

Self-Study Report

For NAAC Accreditation

March
2017



Model Institute of
Engineering & Technology

Self-Study Report For NAAC Accreditation



**Submitted by
Model Institute of
Engineering and Technology**

Kot Bhalwal, Jammu

MARCH 2017

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LIST OF ABBREVIATIONS

Abbreviation Used	Full Form
AICTE	All India Council for Technical Education
BOPEE	Board for Professional Entrance Examinations, J&K
BoS	Board of Studies, University of Jammu
CET	Combined Entrance Test
ICT	Information & Communication Technology
IEEE	Institution of Electronics and Electrical Engineers
IEL	IEEE/IET Electronic Library
IETE	Institution of Electronics and Telecommunication Engineers
IIPC	Industry-Institute Partnership Cell
ISTE	Indian Society for Technical Education
MIER	Model Institute of Education and Research
MIET	Model Institute of Engineering and Technology
MoU	Memorandum of Understanding
MooC	Massive Open Online Courses
NGO	Non-Governmental Organizations
NBA	National Board of Accreditation
NITTTR	National Institute of Technical Teachers Training and Research (Chandigarh)
NSS	National Service Scheme
PI-360	Performance Insight 360 Software
RPP	Research, Project Development and Publications Committee
UGC	University Grants Commission

PREFACE

It gives us a great pleasure to submit this Self-Study report of Model Institute of Engineering and Technology, Kot Bhalwal, Jammu to the National Assessment and Accreditation Council, Bangalore for the second cycle of assessment and accreditation.

We have endeavored to represent information as accurately as possible and make the SSR a comprehensive one. We believe that the institution has made significant progress since the last cycle having initiated some novel quality initiatives. We are especially proud as an institution to having conceived, built and deployed, what we believe is India's first quality analytics software for higher education, Performance Insight 360. This software has received 3 national level awards during 2016 and has helped institutionalize a culture of quality and performance at MIET. We are therefore looking forward to showcase the software to the visiting NAAC team during the visit and obtain their feedback.

The complete report has been prepared by the Steering Committee constituted for this purpose. No outside help has been taken while preparing this report.



Dr. Ankur Gupta
Director, MIET

EXECUTIVE SUMMARY

The Model Institute of Engineering and Technology (MIET) is the first private engineering institute in the State of J&K. It was established in 1998, but the first batch started in 1999 with an intake of 180 students. It is a part of the Model Institute of Education and Research (MIER) group of institutions which was established in 1936 as the first private educational enterprise in the State of J&K. Today MIER group serves the educational needs of over 3500 learners from the pre-school to the post-graduation levels.

MIET stands duly approved by the All India Council for Technical Education (AICTE), New Delhi and the Jammu and Kashmir State Government. It stands affiliated to the University of Jammu. It is the only NAAC accredited engineering institution in the State of J&K. It is also ISO 9001:2008 certified since 2006. The departments of Computer Science and Engineering and Electronics and Communication Engineering were accredited by the National Board of Accreditation (NBA) from 2008-2011. MIET currently offers the following programmes:

Programme	Intake Capacity (2016-2017)
B.E Computer Science and Engineering	120
B.E Electronics and Communication Engineering	120
B.E Information Technology Engineering	60
B.E Electrical Engineering	60
B.E Civil Engineering	60
Masters in Computer Applications (MCA)	60
Masters in Business Administration (MBA)	60

The MIET campus is spread over 40 acres with lush-green surroundings and natural topology providing a very conducive environment for education. The infrastructure includes over 22,000 sq.m of built-up area covering class-rooms, tutorial rooms, administrative areas, laboratories, seminar halls, library, common-room, workshop, canteen and other amenities for students and faculty. The institute provides high quality computing infrastructure including 500+ computers and an optical fiber backbone for network connectivity. The entire campus is wi-fi enabled allowing students seamless access to internet.

The MIET faculty stands at 101 with 5 Professors, 6 Associate Professors and 17 PhD holders with 30% of the faculty having more than 10 years of experience. The institute has in place a comprehensive faculty development programme with 12 faculty members enrolled for PhD programmes at various Universities. Regular orientation programmes, workshops and seminars are conducted for the skill upgradation and capacity development of the faculty members.

Research and Development has received the highest attention at MIET. Fifteen (15) patents have been filed by the faculty members at the Indian Patents and Trademarks Office and over 450 research papers including 200+ international research papers have been published by the faculty till date at reputed journals and conferences. The Center for Software Development has incubated 2 IT products besides developing 3 mobile applications. A Center for Research, Innovation and Entrepreneurship has also been setup to promote student-led innovation and applied research, besides incubating companies from campus. Competitive grants worth Rs. 1 crore have been received by the institute till date from various agencies.

MIET has established linkages with four of the top ten IT companies in the world – IBM, EMC, Cisco and Microsoft offering students access to the latest technologies, software and training to help them develop industry-relevant skills. MIET alumni occupy high positions in some of the most reputed organizations in the industry including Amazon, HP, IBM, EMC, TCS, Infosys, Wipro, Mahindra Satyam, Capgemini, Fujitsu, CSC and many more. MIET students have also pursued higher studies for top international universities such as Georgia Tech, USA, Technical University of Munich, Germany, University of Rostock, Germany, Audencia Business School, France, University of Missouri-Kansas City, USA, Missouri University of Science and Technology, USA, University of Dallas Texas, USA, Southern University of New York, USA, University of Technology Sydney, Australia, Colorado State University, USA among others.

The institute library is well-stocked with over 33,000 books and over 200 journals, including 120 IEEE Online journals. The institute operates student chapters of IEEE, ACM, CSI, IETE and ISTE under which a rich-spectrum of technical activities are conducted. MIET students bring laurels to the institute in a variety of cultural and sporting events.

MIET has received several awards and national-level recognition. In 2016, it received the Quality Council of India's D.L Shaw Platinum award for its analytics software, Performance Insight 360. It also received the Ricoh Education Excellence Award for "Best Institution in the Use of Technology in Student Services". Finally, the team from MIET finished in the top 10 in India at the 8th India Innovation Initiative organized by DST, AICTE and CII receiving the Startup Board Award.

MIET has inked academic MoUs with University of Missouri-Kansas City, USA, Aurel Vlaicu University of Arad, Romania, IIT Mumbai (for Super Resource Center) and MIER College of Education (Autonomous). Industry MoUs with Aircel, Reliance Jio and HERE Maps have been signed to provide value-added services and exposure to students.

The vision of MIET is to establish itself as a reputed center of higher technical education based on research and industrial collaboration, offering world-class programs.

SWOC ANALYSIS

<p>Strength</p> <ol style="list-style-type: none"> 1. Strong Brand in J&K 2. Part of 80-year old legacy of MIER group 3. Research and innovation focus 4. Quality of leadership team 5. Green Campus and ambience 	<p>Opportunity</p> <ol style="list-style-type: none"> 1. Foray into high-quality skill development programs 2. Finishing School for students 3. Autonomous college 4. Niche programs with international collaborations
<p>Weakness</p> <ol style="list-style-type: none"> 1. Only 20% PhD qualified faculty 2. Non-residential campus 3. Lack of consultancy assignments 	<p>Challenges</p> <ol style="list-style-type: none"> 1. Inability to admit students from outside J&K 2. Opening of more colleges/universities will shrink the pie further 3. Govt. incentives for students to study outside J&K will drive students out of the state 4. Low-fee structure constrains speed of development and growth. 5. Lack of local industry 6. Lack of PhD producing institutions in engineering disciplines in Jammu region.



SELF-STUDY REPORT

Part 1: Profile of the Affiliated College

1. Name and Address of the College:

Name: Model Institute of Engineering and Technology
Address: Model Institute of Engineering and Technology, Kot Bhalwal, Jammu
City: Jammu **Pin:** 181122 **State:** Jammu and Kashmir
Website: <http://www.mietjammu.in/>

2. For Communication:

	Director	Vice Principal	Steering Committee Co-coordinator
Name	Dr. Ankur Gupta	NA	Mr. Sahil Sawhney
Telephone (with STD code)	0191-2623155	NA	0191-2632016
Mobile	+919797522100	NA	+919697312046
Fax	0191-2623181	NA	
Email	ankurgupta@mietjammu.in	NA	sahil.adm@mietjammu.in

3. Status of the Institution:

Affiliated College	✓
Constituent College	
Any other (specify)	

4. Type of Institution:

a. By Gender

i.	For Men	
ii.	For Women	
iii.	Co-education	✓



b. By Shift

i.	Regular	✓
ii.	Day	
iii.	Evening	

5. It is a recognized minority institution?

Yes	
No	✓

6. Sources of Funding:

Government	
Grant-in-aid	
Self -Funding	✓
Any Other	

7. a. Date of establishment of the college: 04/02/1999

b. University to which the college is affiliated/or which governs the college (if its a constituent college)

University of Jammu

c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks (if any)
i. 2(f)	17-06-2011	Approved. File No. 8-251/2009(CPP-I/C)
ii. 12(B)	-	-

(Copy of certification of recognition u/s 2(f) of the UGC Act is enclosed at Annexure A)



d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year	Validity	Remarks
J&K Government	HE/Recog/Engg/J233 /2015	24-03-2016	30-07-2017	Extension of Approval
AICTE	F.No. North-West/1-2813858171/2016/EOA	05-04-2016	30-07-2017	Extension of Approval
University of Jammu	CDC/2016/3746-54	11-11-2016	30-07-2017	Extension of Approval

(Copies of recognition/approval letter attached at Annexures B, C and D)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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If yes, has the College applied for availing the autonomous status?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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9. Is the college recognized

a. by UGC as a College with Potential for Excellence (CPE)?

Yes No

b. for its performance by any other governmental agency?

Yes No

The institute has received National-level recognition from three Governmental Agencies:

- D.L Shah Platinum Award for Quality by Quality Council of India on 19/09/2016



- Startup Board Award at 8th India Innovation Initiative by AICTE, DST and CII on 20/10/2016
- Outstanding Technical Institution Award – National Institute for Technical Teachers Training and Research (NITTTR), Chandigarh – 30/12/2014

10. Location of the campus and area in sq.mts:

Location *	Rural
Campus area in sq. mts.	1,82,109 sq.mts.
Built up area in sq. mts.	21,875 sq.mts.

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex
 - with infrastructural facilities
- Sports facilities
 - Play ground
 - Swimming pool
 - Gymnasium
- Hostel
 - **Boys' hostel**
 - i. Number of hostels
 - ii. Number of inmates
 - iii. Facilities



o **Girls' hostel**

- i. Number of hostels
- ii. Number of inmates
- iii. Facilities

Residential facilities for teaching and non-teaching staff	-
Cafeteria	✓ (2)
Health centre - First Aid Center - Qualified Pharmacist, Full Time	✓ ✓
Facilities like banking, post office, book shops	✓
Transport facilities - Students Bus - Staff Bus	✓ (6) ✓ (2)
Generator or other facility for management/regulation of electricity and voltage	✓
Solid waste management facility	-
Waste water management	-

12.Details of programmes offered by the college (Give data for current academic year)

Sl. No	Programme level	Name of the Programme	Duration	Entry Qualification	Medium of instruction	Sanctioned Student Strength*	No. of students admitted*
1	Under-Graduate	B. E (CSE)	4 yrs	Hr.Sec Part -II	English	120	115
		B.E (ECE)				120	103
		B.E (EE)				60	59



		B.E. (IT)				60	43
		B.E. (Civil)				60	57
2	Post-Graduate	MCA	3 yrs	Graduate in any discipline	English	60	49
		MBA	2 yrs			60	39

*Excluding students admitted under “Tuition Fee Waiver Scheme”

13. Does the college offer self-financed Programmes?

Yes No

If yes, how many?

14. New programmes introduced in the college during the last five years if any?

Yes	<input checked="" type="checkbox"/>	No		Number	1
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15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History)	UG	PG	Research
Science	Nil	-	-	-
Arts	Nil	-	-	-
Commerce	Nil	-	-	-



Any Other (Specify)	<ul style="list-style-type: none">• PG Department of Computer Applications• PG Department of Management Studies• UG Department of Computer Science & Engineering• UG Department of Electronics & Communication Engineering• UG Department of Electrical Engineering• UG Department of Information Technology• UG Department of Civil Engineering	5	2	0
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16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

- a. Annual system
- b. Semester system
- c. Trimester system

17. Number of Programmes with

- a. Choice Based Credit System
- b. Inter/Multidisciplinary Approach
- c. Any other (specify and provide details)

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes

No



19. Does the college offer UG or PG programme in Physical Education?

Yes -

No

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		M	F	M	F
	M	F	M	F	M	F				
Sanctioned by the UGC / University / State Government	NA		NA		NA		NA		NA	
<i>Recruited</i>										
Sanctioned by the Management/ society or other authorized bodies	11		22		67		56		25	
<i>Recruited</i>	5		6		90		56		25	

***M-Male *F-Female**

- The teaching positions are sanctioned by the management based on maintaining the 1:15 teacher student ratio and cadre ratio as specified by the AICTE.
- Assistant Professors are recruited against vacant positions of Professors/Associate Professors as per vacancies.
- In addition 15 adjunct faculty members have been appointed recently by the institute in keeping with the AICTE scheme.



21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	0	0	0	0	0	0	0
Ph.D.	3	0	2	0	3	4	12
M.Phil.	0	0	0	0	0	0	0
PG	2	0	2	0	27	32	63
Temporary teachers							
Ph.D.	0	0	2	0	1	2	5
M.Phil.	0	0	0	0	0	0	0
PG	0	0	0	0	10	11	21
Part-time teachers							
Ph.D.	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0

22. Number of Visiting Faculty /Guest Faculty

engaged with the College.

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2013-14		2014-15		2015-16		2016-17	
	M	F	M	F	M	F	M	F
SC	13	5	6	7	2	7	14	3
ST	0	0	1	1	0	1	3	4
OBC	7	1	2	4	6	4	1	0
General	178	122	243	133	213	115	246	159
Others	20	2	10	4	10	2	33	3



28. Provide Teacher-student ratio for each of the programme/course offered

1:14.5 for all the programs offered

Department	No. of Teachers	No. of Students	Teacher-Student Ratio
UG Department of Computer Science & Engineering	20	317	1:15.8
UG Department of Electronics & Communication Engineering	21	321	1:15.3
UG Department of Electrical Engineering	11	176	1:16
UG Department of Information Technology	9	96	1:10.66
Department of Applied Sciences and Humanity	24	377	1:15.7
PG Department of Management Studies	8	60	1:7.5
PG Department of Computer Applications	8	120	1:15
TOTAL	101	1467	1:14.5

29. Is the college applying for;

Accreditation Cycle 1 Cycle 2 Cycle 3 Cycle 4
 Re-Assessment:

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: 05/07/2012 Accreditation Outcome/Result: **B-Grade**

Copies of accreditation certificate and peer team report are attached as Annexure E and F.

31. Number of working days during the last academic year.

32. Number of teaching days during the last academic year

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

01/08/2012



34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (i)	<u>26/12/2013</u>
AQAR (ii)	<u>30/12/2014</u>
AQAR (iii)	<u>29/12/2015</u>
AQAR (iv)	<u>26/12/2016</u>

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

- The institution is ISO 9001:2008 certified, validity of which is till October 2017.
- The institution has been conferred with Platinum Award from Quality Council of India in October 2016.
- A team from the institution finished in the top 10 of the 8th India Innovation Initiative, 2016 organized by AICTE, DST and CII.
- MIET received the Ricoh Education Excellence Award for Best Institution in the use of Technology in Student Services in 2016.
- MIET received the Outstanding Technical Institution award from National Institute of Technical Teachers Training and Research, Chandigarh in 2014.

Copies of ISO certificate and awards received are enclosed at annexures G, H, I, J and K.



Part 2: Criteria-wise Inputs

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders

Vision

To create a world class institution

Mission

To deliver exceptional value to students, industry and society

Core Values

Shreshtha (Excellence), Navinta (Innovation) and Shram (Diligence)

Objectives

- To impart quality technical education to develop the technical manpower in the field of engineering, technology and related fields in the state of Jammu and Kashmir in particular and other states in general.
- To cultivate, promote and develop the spirit of entrepreneurship among the youth by way of novel and innovative programmes and thus open new avenues of self-employment and job creation in the state in different spheres of engineering, technology and management.
- To evolve modern, efficient and innovative strategies and methodologies based on scientific and engineering principles, to enable optimal utilization of natural resources available in the state by helping in creation of the requisite skills.
- To establish symbiotic linkages and participate in research and development, consultancy, training and collaborative programmes with other institutions, organizations, bodies in Government and non-Governmental sectors and partners from the industry at regional, national and international levels to achieve common goals in the field of engineering and technology.



- To provide facilities and programmes for specialization, continuing education, open learning and research in engineering and technology including interdisciplinary areas, using formal and non-formal techniques and new information and communication technologies.
- To setup specialized units/centers at different places, within and outside the state with the objective of extending engineering and technological programmes and activities whether independently or in collaboration with other agencies.
- To organize and conduct workshops, seminars, training programmes and undertake other activities and programmes at MIET in line with its aims and objectives.
- To experiment and bring out new educational innovations in the area of instructional design, use and impact of technology rich learning environments and new evaluation and assessment techniques to enrich the teaching-learning process leading to greater student engagement and satisfaction levels.
- To demonstrate the commitment of the institute towards the community and the society by activities which provide benefit to the under-privileged sections of the society.

Communication of vision, mission and objectives to the students

The vision, mission and objectives are communicated to the students through:

- Prominent display through banners at various locations in the institute
- The admission brochure
- Welcome address by the management during student induction sessions
- Orientation by individual departments at the start of each semester
- Display on the institute website, mobile application and official social media channels
- Performance Insight 360 analytics framework, which the students use to track their performance

Communication of vision, mission and objectives to the faculty

The vision, mission, and objectives are communicated to the faculty through:

- The faculty orientation programs



- Prominent display of banners at various locations including faculty rooms
- The quality manual
- Departmental review meetings
- Institution website, mobile app, ERP, and social media channels
- Performance Insight 360-Analytics framework, which faculty members use to track and benchmark their performance against their peers.

Communication of mission, vision and objectives to the other stakeholders

The vision, mission and objectives are communicated to the stakeholders through:

- The institute website, mobile application and social media channels
- Prominent display of banners during admission process
- Display at all important locations within the college

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

The institution has a well-established mechanism for developing and deploying action plans for the effective implementation of the curriculum prescribed by the University of Jammu. The Planning and Academic Affairs committee comprising the Director, Director Academics, Dean Academic Affairs and all Heads of Departments besides the Quality Assurance Officer defines the academic roadmap and strategies for effective implementation of the curriculum. Some of the specific initiatives and outcomes are mentioned below:

- A well-defined academic policy and annual academic plans are published every year for the smooth delivery of the curriculum
- The academic policy and annual plan lay out the calendar specifying key milestones, schedule of classwork and examinations, major events and activities
- Annual plan, aligned with the institutional strategic plan, also includes academic Key Performance Indicators (KPIs) for individual faculty members and departments to ensure compliance with stated quality policy and objectives.
- All the faculty members are required to prepare detailed lecture plans



and course notes in presentation format before the start of each academic session

- The progress on curriculum delivery is tracked through periodic online feedback from students and individual online monthly reports from heads of departments and faculty members
- The use of technology in teaching-learning process is being encouraged and further promoted through promulgation of the institutional ICT policy which specifies integration of Google classroom, pre-identified MooCs, related NPTEL courses/lectures, associated VLABs among other innovations into the teaching-learning process at MIET
- Regular scheduled meetings with the designated class representatives provide the real-time feedback on effectiveness of curriculum delivery
- Regular class-room visits by senior leadership team ensure monitoring of quality and effectiveness of curriculum delivery
- Compliance with KPIs is tracked through the in-house developed quality analytics framework, Performance Insight 360.
- Remedial classes are conducted for students who face difficulties in specific subjects or where the university results are historically low.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

The following procedural and practical support is provided to the teachers through the institution for effectively translating the curriculum and improving teaching practices:

- The teachers are trained and exposed to various different teaching pedagogies during the annual Teaching Blueprint program.
- The younger faculty members are put through an “Evaluating Teaching Effectiveness” programme wherein detailed feedback and inputs are provided in simulated classroom settings by subject experts.
- The faculty members are encouraged to attend short-term courses, webinars, and faculty development programs for further enhancing their skills and keeping abreast with the recent technical advancements.
- The institution provides access to world-class resources with over thirty-four thousand books, 200 print and online journals and access to several research databases.



- The computing infrastructure at the institution comprising high-speed internet through fiber along with 500+ computers and laptops is utilized by the faculty to deliver content using ICT.
- The labs at the institution are upgraded and are aligned with the requirements of the university curriculum and the industry requirement on a regular basis.
- The institute has adopted Google for Education providing teachers access to over 100 web applications such as Google Classroom, Google Hangouts etc. to help adopt modern ICT applications to improve student engagement and outreach.
- The institute has subscribed to Microsoft Academic Alliance program providing access to free and legal software packages from Microsoft to be utilized in improving teaching effectiveness.
- Faculty gets trained on cutting-edge technologies under institutional industrial linkages with IBM (Web and cloud) technologies, EMC (storage, cloud and big data).

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other Statutory agency

- All Heads of Departments at MIET actively participate in framing the curriculum, in their capacity as members of the Board of Studies for different disciplines. Detailed feedback is provided by the representatives from MIET after internal discussions.
- The institution constantly strives to upgrade the infrastructure and procure resources for effective delivery of the curriculum such as LCD projectors, wired/Wi-Fi internet access in classes, teacher training on ICT and regular monitoring and feedback mechanisms.
- Besides, teachers provide a host of additional resources while taking students beyond the curriculum. The teacher's plan and design 10 to 20 percent of additional content beyond the curriculum for each subject so as to expose students to latest technical advancements. This additional content may be in the form of MooCs, NPTEL lectures, VLAB simulations or YouTube videos.
- All the e-course material is uploaded to the Google classroom which is readily accessible round the clock for all students. Google classroom provides a real-time collaboration environment for the students and faculty to interact and share content in all the possible document and multi-media formats. Thus, student engagement



extends beyond the classroom.

- There is a defined mechanism to conduct remedial and enrichment programs. While remedial classes are typically conducted on second and forth Saturdays (non-working days), enrichment programs for instance value-added courses, special projects, guidance and mentoring etc. are inter-weaved throughout the semester for students.
- Feedback and monitoring on curriculum delivery is done through a wide-variety of mechanisms such as regular formal meetings of class representatives with the Heads of Departments and Dean/Director Academics, “Tea with Director” programme, online feedback collected once a semester, classroom visits by leadership team, monthly reports of faculty etc.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?

A) Industry

The institute has established tie-ups with the industries and agencies as given in Table 1.1.

S. No	Company Name	Areas of Collaboration
1.	IBM	<ul style="list-style-type: none"> • IBM Center of Excellence established to train students on the new technology stack of IBM • Organizing Coding programs, guest lectures • Participating in national competitions • Training on Databases such as DB2, software frameworks such as Software Architect and Cloud Development through Bluemix are regularly carried out
2	EMC	<ul style="list-style-type: none"> • Established Big Data Center of Excellence • Value added courses on Storage, Cloud Computing, and Big Data Analytics offered to students in 6th, 7th and 8th semesters • Events, activities, guest lectures and industrial visits
3	CISCO	<ul style="list-style-type: none"> • Value added courses like CCNA on IPV6
4	Microsoft	<ul style="list-style-type: none"> • Access to Microsoft licensed software through MSDN Academic Alliance program
5	AIRCEL	<ul style="list-style-type: none"> • Training



		<ul style="list-style-type: none">• Extension Lectures• Placements• 3G Campus
6	CII	<ul style="list-style-type: none">• Seminars• Conferences• Industrial Visits
7	Nokia Here	<ul style="list-style-type: none">• Paid Community Map Programme• Internship opportunities
8	Reliance Jio	<ul style="list-style-type: none">• Campus-wide fiber-optic networking• Free wi-fi 4G connectivity• Setting up of telecom lab at campus
9	Bharti Airtel	<ul style="list-style-type: none">• Cashless Campus• MBA live projects

Table 1.1 Industry linkages and areas where curriculum delivery is operationalized

- Extension lectures under “Invited Lecture Series” and “Distinguished Lecture Series” provide opportunities for students to interact with experts from academia and industry
- The institution organizes industrial visits and tours for providing live exposure to students on recent trends in the relevant fields. Some students also take up minor projects/internships in the industry for procuring hands on training
- The institution has obtained membership of industrial forums like CII which provides opportunity for the students to interact with industry experts from different domains
- Senior faculty members from the top ranked universities are invited to interact with faculty members and students over the emerging technology trends
- The institution has recently experimented with Adjunct faculty positions inviting highly experienced industry professionals to teach students and guide them on a continuing basis
- The institute intends to target 10 percent curriculum coverage by industry experts to ensure students get the much needed industry/practical perspective into each subject of their curriculum

B) Research

- The institute has signed MoUs with University of Missouri-Kansas City, USA, Aurel Vlaicu University of Arad, Romania, MIER College



of Education (Autonomous) for promoting collaborative research.

- The institution has set up IEEE and ACM student chapters for providing access to world-class research resources and recent happenings in the field of technology
- The institution has received grants up to tune of Rs 1 Crore from research bodies like DST and AICTE to setup advanced facilities to support curriculum delivery and enhance its overall quality

C) Universities

- Faculty members are encouraged to participate in the conferences, seminars and faculty development programs organized by the University of Jammu, Sri Mata Vaishno Devi University, Jammu, Central University of Jammu, NITTTR, Chandigarh, NIT Jalandhar, NIT Hamirpur, GNDU, Amritsar and other Universities/institutions across India
- The institution has inked MoU's with the University of Missouri-Kansas City, USA and AV University of Arad, Romania for pursuing joint research in emerging technical areas. As a part of MoU with UMKC, a number of advanced workshops and trainings are organized by the visiting faculty.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.)

For curriculum design and development, a Board of Studies (BOS) is constituted by University of Jammu which is headed by Dean of Faculty of Engineering of the University. The BoS comprises of Heads of all departments from all the technical institutions in the region including MIET. The heads of each department contribute towards curriculum design and development by giving inputs based on the following:

- The utility of the existing curriculum assessed on the basis of its current utility, relevance from students, parents, alumni, industries and peers
- Assessment and comparison of the curriculum adopted in leading technical universities in the region including the NITs etc.
- Consideration of possible enhancements in the subject areas over next



5 years

- Review on utility as well as feasibility.
- Societal and industrial projections
- Capacity and capability of the faculty in delivering the revised curriculum

At present the Director MIET, Prof. Ankur Gupta and six Heads of Departments serve on the Board of Studies constituted by the University of Jammu. Prof. Gupta is also nominated as a Subject Expert being the only professor of Computer Science and Engineering under the University of Jammu.

The institute holds internal discussions on the submissions to be made to the BoS, consulting with the members of various departmental advisory boards, alumni and stakeholders. The suggestions to the BoS are presented in writing and submitted formally. In the recent past the institution has been able to help initiate several reforms in the curriculum such as preponing of programming courses, introducing cloud computing and increasing the number of labs being conducted for various courses.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development, and planning) and the courses for which the curriculum has been developed.

The institution recently framed the curriculum of two courses related to IT and Management for the Masters in Education (M.Ed.) and MA in Education courses for the MIER College of Education (Autonomous) as part of a consultancy assignment under Choice-based Credit System model. The process followed was:

A) Needs Assessment

- Met concerned stakeholders and understood requirements
- Identified target skill-level requirements
- Understood learner backgrounds and skill levels
- Understood faculty preparedness

B) Collaborative Design

- Meeting of subject experts and teacher trainers.
- Evaluation of existing course curriculum in leading universities
- Ideation



C) Formulation

- Draft curriculum preparation
- Learning resources identification
- Teacher orientation
- Final sign-off with college

1.1.8 How does institution analyze/ensure that the stated objectives of the curriculum are achieved in the course of implementation?

The institution follows an 'outcomes-based approach' in the teaching-learning-evaluation processes. Every program frames a set of about eleven Programme Outcomes based on the graduate attributes concerning that specific program. These graduate attributes are defined by the National Board for Accreditation for engineering programs. The University syllabus for every course in a program is typically divided into five units and course outcomes are defined for each course as part of the course plan. Further, for enabling an easy direct assessment of attainment of these course outcomes, the internal examination question paper patterns and assignments for each course are suitably framed and marks are awarded. The percentage of students getting more than 40% of the marks allotted for any course outcome is taken as a measure of its attainment. Apart from the direct assessment, indirect assessment methods such as assignments, viva-voce etc. are also adopted.

The institution has the following mechanism in place for analyzing and ensuring that stated objectives of the curriculum are achieved in the course of implementation:

- Allotment of subjects based on the expertise and experience of the teachers besides past analysis of subject-wise university results.
- The teachers are required to track and update the progress made in curriculum delivery as per their respective course plan through the custom quality management software Performance Insight 360.
- Faculty members are required to regularly attend faculty development programs to keep their skills in line with new additions to the syllabus
- Dean Academic Affairs holds meeting with the class representatives to monitor the progress in the curriculum delivery and seek inputs from them for improving the learning experience.
- The Heads of Department are required to meet the class representatives to make real-time interventions if any deviation is found from the existing course and lectures plan.



- The classroom teaching evaluations are carried out by a team of experienced teachers for continuously improving the teaching and learning process.
- Online feedback from the students on teaching is carried out for ensuring that desired standards are met.
- Periodic tests help teachers to gauge the learning outcomes identified for a course.
- Individual student performance is measured and tracked by IQAC through the in-house developed quality management software (QMS) - Performance Insight 360. This tool measures the progress of the student on various academic and curricular activities.
- The semester results are analyzed to understand the overall performance of the students and initiate corrective actions if any.
- Detailed feedback during placement drives is collected to determine the extent to which curriculum in practice is aligned to industry needs. The gap areas are addressed through value-added courses and custom training programs.
- Remedial classes are organized on second and fourth Saturdays (non-working days) to address student's difficulties in specific subjects.

ACADEMIC FLEXIBILITY

1.1.9 Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.

Being an affiliated institution, MIET does not offer any certificate/diploma courses. However, the institution offers multiple skill development courses in association with industry, academic institutions and special schemes of regulatory bodies as value-added courses. Skill development remains a high priority area for MIET. As part of the skill development initiatives the institute has formulated a Skill Development Matrix for all branches and semesters which provides a skill map based on the course and semester of the students. The Skill Development Matrix aims at incremental skill development for students in relation to their curriculum and industry requirements. Some of the prominent courses offered by the institution are:



Course Name	Duration	Skill Type/Set	Agency
Spoken Tutorial Project	6 Weeks online training followed by certification	Technical – C, C++, JAVA, PHP, SciLab, LaTeX.	IIT Bombay
Storage Technology Foundation	45-hour credit program followed by certification	Technical – NAS, SAN, RAID Architectures, Networking Fundamentals	EMC Corp.
Cloud Computing	45-hour credit program followed by certification	Technical – Data Centers, Virtualization, Brokers.	EMC Corp.
Big Data	45-hour credit program followed by certification	Technical – Structured, Unstructured Data, Apache Hadoop Clusters.	EMC Corp.
Cisco Certified Network Associate	6 month technical training followed by certification	Networking, Routing, Switching	Cisco
Human Rights and Value	12 Weeks Program followed by certification	General – Overview and case-studies	UGC and MIER College of Education
Customer Executive-Automotive	90 Days Program followed by certification	A 3-month course aimed at imparting skill set required in handling customers in automobile sector	PMKVY, Govt of India
Customer Executive-Electronics and Hardware	90 Days Program followed by certification	A 3-month course aimed at imparting skill set required in handling customers in electronic sector	PMKVY, Govt of India
Tele-Caller-Automotive	90 Days Program followed by certification	A 3-month course aimed at imparting skills required for managing front office.	PMKVY, Govt of India

Table 1.2: Major value-added courses offered



1.1.10 Does the institution offer programs that facilitate twinning/dual degree? If ‘yes’, give details.

No. The college does not offer programs that facilitate twinning /dual degree as the institution is affiliated to the University of Jammu which provides no provision for such kind of programs.

1.1.11 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability.

The University of Jammu prescribes the curriculum and academic structure for all programmes operational at MIET. The university currently does not offer a Choice-Based Credit System for engineering programmes. Elective subjects are provided as options in the final year of study for each branch. Further, credit transfer and mobility within courses are not provided.

To support program-level mobility students have an option at the beginning of 3rd semester to apply to the University of Jammu for change of stream. This is done centrally by the university based on merit position of the students against available vacancies in the stream of choice.

Enrichment programmes are entirely within the purview of the institution. Hence, MIET makes extensive use of this provision to provide inputs to the students above and beyond the curriculum and make the student’s knowledge and skills better aligned to industry requirements. A wide-range of enrichment programs and value-added courses are provided for the benefit of the students from semester-long courses to short-term workshops through internal and external experts.

1.1.12 Does the institution offer self-financed programs? If ‘yes’, list them and indicate how they differ from other programs, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

The college offers all programs under the self-financed model. The details of the programs are given at Table 1.3

Program	Admission	Curriculum	Fee Structure /Annum	Minimum Teacher Qualification
B.E Computer Science & Engineering	JKCET Entrance Examination	As prescribed by University of Jammu	Rs 48,000	M.Tech



B.E Electronics & Communication Engineering	-do-	As prescribed by University of Jammu	Rs 48,000	M.Tech
B.E Electrical Engineering	-do-	As prescribed by University of Jammu	Rs 48,000	M.Tech
B.E Civil Engineering	-do-	As prescribed by University of Jammu	Rs 48,000	M.Tech
B.E Information Technology	-do-	As prescribed by University of Jammu	Rs 48,000	M.Tech
Masters of Business Administration	MAT/CAT	As prescribed by University of Jammu	Rs 65,000	MBA
Masters of Computer Applications	University Entrance Examination-JUET	As prescribed by University of Jammu	Rs 40,000	M.Tech/MC A

Table 1.3 Details of self-financed programs at MIET

1.1.13 Does the college provide additional skill oriented programs, relevant to regional and global employment markets? If 'yes' provide details of such program and the beneficiaries.

The college is committed to the overall development of the students to be able to succeed in a competitive global environment. The institution has taken concrete steps to ensure skill development through a holistic approach. The table below captures the skill-oriented programs being offered by the institution:

Programs	Skills	Beneficiaries
I-Survive Boot Camp	Annual adventure-camp to develop life skills and confidence among students	All Students of MIET
IBM Center of Excellence	Training and exposure on IBM technologies	Final and pre-final year students of MIET
Competency Building Program	To evaluate and train final year students on various personality parameters for placement process	MIET final-year students



EMC Center of Excellence	<ul style="list-style-type: none"> • Storage Technology Foundations • Cloud Computing • Big Data 	MIET final and pre-final year students
Cisco Networking Academy	Cisco Certified Networking Associate	All interested students of MIET
IIT Super Resource Center	C, C++, JAVA, PHP, SciLab, Linux, Latex etc.	All students of MIET from 2 nd year onwards. Program open to students from other colleges as well
Technical Workshops	<ul style="list-style-type: none"> • Web Entrepreneurship • Android Development • Embedded Systems • IoT • Aero-modeling • Spy-Robotics • Quadcopter Development • Innovation • Design Thinking • Developing Patentable Ideas 	All interested students of MIET
PMKVY	<ul style="list-style-type: none"> • Customer Executive Automotive • Customer Relationship Executive – Electronics and Hardware • Tele-caller-Automotive 	Open to public as per Govt. of India guidelines

Table 1.4 Overview of skill development programs at MIET

1.1.14 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice? If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

There is no provision for offering programs under Distance Mode.



1.2 Curriculum Enrichment

1.2.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programs and Institution's goals and objectives are integrated?

The institution has made a comprehensive plan to supplement the curriculum through industry-oriented value-added courses, integration of MooCs and other digital content in the teaching-learning process, skill-based short-term courses through IIT super-resource center and through real-world interaction with experts under the Invited Lecture Series. It is the endeavor of the institution to provide at least 10% additional content over the prescribed curriculum in each course of study through the mechanisms detailed above.

1.2.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

As described in 1.2.1 and 1.2.6 the institution lays strong emphasis in imparting industry-relevant skills to students by organizing various industry certified skill development courses. The institution constantly endeavors to bridge the gap between the industry and academia. In addition to this following steps are undertaken to enrich and organize the curriculum for enhancing the experiences of the students:

- **Industry Linkages:** The institution as explained in section 1.5.1 has established tie-ups with top 4 IT companies in the world, IBM, Cisco, EMC and Microsoft. These centers offer training to students on latest IT technologies and an opportunity to earn globally recognized certifications at zero cost. This has immensely helped students during the placement process
- **Competency Building Program:** The training and placement cell at the institution drives the Competency Building program which is focused on improving the inter-personal, technical and communication skills of the pre-final and final year students. The students are trained and tested on multiple parameters through standardized national level tests such as AMCAT and Wheebox which provide detailed reports on the performance of students and areas of improvement. The students' performance in the mock interview sessions is also video-recorded for driving improvements.
- **ICT Policy:** The ICT policy has been specifically created and institutionalized for enhancing the curriculum delivery through technology intervention. Each faculty takes a minimum of 10 percent of the classes using ICT tools. Further, all faculty members and



students are provided official email IDs and free cloud storage of 10TB to facilitate adoption of digital content for enhancing teaching-learning effectiveness.

- **Massive Open Online Courses (MooC):** The institution encourage and promotes the use of MooC as part of classroom teaching. As a process, the departments identify the relevant courses aligned with their curriculum at the beginning of each semester and integrate it within their lecture plan The following MooC have been made a part of the regular time-table:

Department	Course Identified (Curriculum)	Program/MooC Name
CSE	Operating system 6 th Sem	“Introduction to Operating System” from Georgia Tech University
	Java Programming 4 th Sem	“Java tutorials for complete beginners”
	C Programming 2 nd Sem	“Introduction to C programming” from IIT Bombay
ECE	Satellite Communication	“Introduction to Satellite Communication” from Institute Mines Telecom(IMT)
	Wireless Communication	“Wireless Communication for everyone” from Yonsei University
	Electronic Devices	“Introduction to Electronics” from Georgia Tech University
	Python Programming	“Getting Started with Python” from Georgia Tech University
EE	Power Electronics	“Introduction to Power Electronics” from University of Colorado Boulder
	Python Programming	“Getting Started with Python” from Georgia Tech University
	Energy Management	“Wind Energy” from Technical University of Denmark
IT	Building Information System	“IT Management - Building Information Systems”
	Operating System	“Embedded Hardware and Operating Systems” from University of Turku, Finland



	Interactive Computer Graphics	“Interactive Computer Graphics” from University of Tokyo
MBA	Digital Marketing	“Marketing in Digital world” from University of Illinois at Urbana Champaign (USA)
MCA	Object Oriented Concepts using C++	“Programming in C & C++” from IIT Bombay
	Application Programming using Java	“Programming in JAVA” from IIT Bombay
	Web Technologies	HTML, CSS & JAVA script from the “Hong Kong University of Science and Technology”

Table 1.5 Massive Open Online Courses (MooCs) integrated as part of curriculum enrichment at MIET

- **Google Classroom:** The institution has taken a lead towards the adoption of Google Classroom platform for extending the student teacher interaction beyond classroom. The platform comes with rich feature set and allows the participants to share course content in all the possible media formats.
- **Industry Experts/Adjunct Faculty:** All departments at MIET are experimenting with the idea of inviting industry experts/adjunct faculty for the delivery of 5-10 percent of university curriculum to students. This program is specifically designed for students to understand the practical/industry perspective for each subject being taught in the class.
- **Professional Societies:** The institution has established student chapters of international professional associations like ACM and IEEE besides CSI, IETE and ISTE to provide rich exposure and resources to the students. All students are encouraged to become student members of these societies for professional development.
- **Social Outreach Program:** Regular social outreach activities such as adoption of a village, visits to old-age Homes, orphanage centers, SoS children’s village, participation in blood donation drives, tree plantation, AIDS awareness programs, Digital India initiatives etc are conducted. All these social outreach initiatives are driven through the institute NSS unit called “Prayas”. These activities help the students broaden their horizons, develop maturity and have found to be



extremely helpful in developing holistic profiles which are appreciated during job interviews.

1.2.3 Enumerate the efforts made by the institution to integrate the cross-cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

A) Gender Sensitization: The Sexual Harassment Committee has been formed in the institution as per directions from regulatory bodies. The committee organizes various seminars and orientation session on gender sensitization and various related topics. The committee organized seminars on “Sexual Harassment” and “Women Entrepreneurship” during last one year.

B) Environment and Climate Change Education: A wide variety of programs and sessions are organized though out the year for spreading awareness of environment and climate change among students and faculty members. The NSS committee in the college has been earmarked for taking environment related initiatives. The committee has strongly integrated with the central scheme of Swach Bharat Abhiyaan within the campus. The institution has taken concrete steps toward becoming green campus by planting more than 2000 trees and started process of replacing CFLs with LEDs bulbs in a phased manner. Several invited lectures are also organized from time-to-time on this important theme.

C) Human Rights and Ethics: The MIER college of education-the sister organization of MIET has been organizing UGC sponsored 12 weeks’ program on “Human Rights and Values” for instilling basic knowledge of human rights and ethics among the engineering and MBA students. Till now more than 30 students have successfully attended and completed this value-added course.

D) ICT: The institution is a strong proponent of ICT whether it is using ICT to deliver digital content to students or providing exposure to students on the use of ICT in enhancing learning. An ICT policy has been formulated by the institution which mandates the use of the ICT by faculty during classroom teaching. Each student is brought under the ambit of the Google Classroom application which gives them access to all course related information and material besides providing an opportunity to interact with the faculty beyond classroom and college hours. Further, all operational aspects of the institution are managed through an ERP system.

E) Consumer Rights Awareness: The NSS Unit of MIET recently associated itself with the Consumer Welfare Association of J&K under

which the students will create and manage a social media strategy for the association with an aim to create awareness about consumer rights and issues. It is intended to develop a digital platform for airing of consumer grievances. This initiative was much appreciated by the officials of the Consumer Welfare Association.

F) Blood Donation Camps: The NSS Unit of MIET is associated with the Thalassemia Society of J&K to generate awareness besides organizing regular blood-donation camps to aid the efforts of the society at large. Over 100 units of blood are donated during each camp.

1.2.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

The value-added courses for holistic development of the students offered in the college are given at Table 1.6

S.No.	Area of Enrichment	Programmes Offered
1	Life Skills/Attitude-Shaping	I-Survive Camp
2	Moral and Ethical Values	UGC Human Rights and Values
		Jigyasa and Rama Krishna Mission
3	Employability Skills	Competency Building Programme
		AMCAT, LinkedIn and Wheelbox Test
		PMKVY Trainings
4	Guidance and Counseling	Tea with Director
		PI-360 Orientation Programme
		Alumni Mentoring/Meet the Alumni Series
		Interaction with Industry Experts
		Faculty Mentoring
5	Community Orientation	NSS Activities
		Adopt-a-Village
		Course on Human Rights and Values

Table 1.6: Value-added courses for holistic development of students



1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

Students: Feedback from students is taken informally at the department level and further through regular meetings with the class representatives. This feedback is then consolidated and used while framing the recommendations of the department to be placed for consideration before the Board of Studies, constituted by the University of Jammu. MIET faculty servers on the Board of Studies for various streams.

Alumni: Feedback from alumni is being obtained at Department level from time to time such as during Alumni Meets or during alumni visit to the college. Further, alumni serve on the Departmental Advisory Boards where they provide feedback on curricular reforms and introduction of value-added programs for curriculum enrichment.

Industry: The feedback is being obtained from employers and industrial representatives during periodic industry visits and 4-6 weeks industrial training by the students of B.E 6th semester. Also during the campus interview by the employers, the placement officer who interacts with the interviewers gather the current needs of the industry and accordingly that is used as an input for syllabi revision. The collaboration of the institute with the industry giants like EMC (Storage Technology), IBM (Software Engineering), CISCO (Networking) and Microsoft (System and Application Software) also helps in offering programmes which address the gap between industry requirements and adopted curriculum.

Academic Peers: The Heads of Departments regularly review the curriculum adopted by the leading institutions in the region such as the NITs, Thapar University, GNDU, PTU etc., so that the curricular trends in the academia can be assimilated. These inputs are then used to formulate recommendations to be submitted to the Board of Studies constituted by the University of Jammu.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programs?

Enrichment programmes at MIET are delivered after due planning. As such these programmes are either offered by external experts or through faculty specifically trained for this purpose. Thus, the quality of enrichment programmes is ensured. Further, these programmes are monitored through formal and informal feedback mechanisms at various stages of delivery.



1.3 Feedback System

1.3.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

For curriculum design and development, a Board of Studies (BoS) is constituted by University of Jammu which is headed by Dean of Faculty of Engineering. The BoS comprises Heads of Departments from all the engineering institutions in the region including MIET. Infact, MIET has the most representatives of all private engineering institutions on the BoS. The Heads of Departments at MIET contribute towards curriculum design and development by giving inputs based on the following:

- The utility of the existing curriculum assessed on the basis of its relevance as determined from the perspective of industry students, parents and alumni.
- Assessment and comparison of the curriculum adopted in leading technical universities in the region including the NITs etc.
- Evaluation of current technical trends and practices.
- Assimilation of skills and practical knowledge expected from engineering graduates
- Mapping of courses to specific skill sets, domain knowledge and feedback collected from various stakeholders
- Topic/unit-wise review of courses to effect necessary changes
- Societal needs and projections
- Capacity and capability of the faculty in delivering the revised curriculums

At present 12 HoDs serve on the Board of Studies of the University of Jammu. In addition, Prof, Ankur Gupta (Computer Science and Engineering) and Prof. B.S Komal (Engineering Mathematics) serve as subject experts on the BoS.

1.3.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programs?

Yes, the institution follows some best-practices in obtaining feedback on the curriculum. These are listed below:

Departmental Advisory Committees: Each department has identified industry experts, leading academicians and senior alumni as part of the



Departmental Advisory Committee (DAC) to provide detailed inputs on curriculum, skill, domain knowledge trends and enrichment programmes to be provided for the students. Future research direction for the departments are also set through feedback/inputs from the DACs.

CR Meetings: Each department collects feedback from students on the curriculum through monthly HoD meetings with CRs (class representatives), although more emphasis is placed on feedback collected through members of the advisory committees

Placement Drives: Feedback from the industry on enhancements/modifications needed on the curriculum is obtained during placement drives.

The feedback collected is communicated to the BoS in writing by the concerned HoD from the institution.

1.3.3 How many new programs/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programs?)

B.E Civil engineering was introduced as new engineering program from 2016 session with intake of 60 students. Over the last few years there was strong inclination of students towards the B.E Civil Engineering because of the various infrastructure development initiatives taken both at the center and the state level. Hence a strong need was felt to offer B.E Civil engineering for contributing towards the growth of the state and meeting the aspirations of the student community of J&K.



CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

The admission process for engineering courses in J&K is managed centrally by the Board for Professional Entrance Examinations (BOPEE), a statutory body of the Government of Jammu and Kashmir. Thus, the institution does not make admissions on its own. The BOPEE publishes advertisements in local newspapers regarding the admission process including conduct of entrance test, publication of merit list, and conduct of various rounds of counseling.

For PG courses (MCA and MBA), the admission process is taken care of by the University of Jammu. It is based on the national and university level competitive tests named CAT, MAT, CMAT and JUET (Jammu University Eligibility Test). The admission process is centralized and the institute has no role during admissions.

The institution gives wide publicity during the admission process to reach out to students and parents through newspaper advertisements, electronic media like college website, radio and TV channels and more recently through social media campaigns.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

Criteria for BE courses for all colleges under University of Jammu and University of Kashmir is 12th pass with Physics, Chemistry and Mathematics as the subjects with at least 50% marks in aggregate. The JKCET entrance examination conducted by the Board of Professional Entrance Examinations (BOPEE) is used for admissions to engineering courses across the state for both government and private institutions. The admission process is based on counseling of students based on operation of the merit list in descending order.

For MBA and MCA courses, admission is done centrally at the University of Jammu on the basis of the merit obtained by the students in the national tests CAT, MAT and CMAT for MBA course and JUET for the MCA course. Group discussion and personal interviews are also conducted at the university level for the students selected for MBA course.



2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

Minimum and maximum marks of students in the qualifying exams at the entry level for various courses admitted during the session 2016-17 are as under:

Course Name	Minimum %age	Maximum %age	Criteria
BE Courses	51.2%	94.5%	In 10+2 Class
MBA Course	50.06%	73.75%	At Graduation Level
MCA Course	50.30%	72.3%	At Graduation Level

Table 2.1: Minimum and Maximum percentage of marks at entry level

Details about other colleges are not known as this information is not in the public domain. However, MIET is the institution of choice for the students as evidenced by MIET having the maximum number of admissions among private engineering institutions affiliated to the University of Jammu. Further, MIET remains the only NAAC accredited engineering institution in the region.

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?

The institution has conceptualized and developed the Performance Insight 360 (PI-360) software which is a quality management framework. As part of this software analytics on admitted students such as the distribution of students by geography, boards, percentage, entrance examination scores etc. is determined. This provides insights into student profiles and preferences. This has allowed the institution to devise customized outreach and branding initiatives to attract high quality students from all regions of the state.

Over the years several improvements have been made to the admissions process to make it seamless including reducing the documentation required, making student admissions online using ERP, providing value-added services such as deploying a notary for preparation of affidavits, tying up with Punjab National Bank to issue student loans on-spot, student account opening,



providing free 3G sim by Aircel and providing guidance and counseling services to the students as required.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

Admissions in UG and PG programmes are made by the BOPEE and the University of Jammu respectively. As per the directives of the Jammu and Kashmir State Government, admissions to technical courses of study is limited to those having state domicile which restricts the institution from admitting students from outside the State. Students in private colleges are admitted based on the merit and there is no reservation for any category of students. However, 5% seats in engineering disciplines are reserved for economically weaker sections under the Tuition Fee Waiver (TFW) scheme of the AICTE.

2.1.6 Provide details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

The college offers two post-graduate programs and five under-graduate engineering programs. Sanctioned intake and seats filled during the last four sessions i.e. 2013-14 to 2016-17 are given at Table 2.2

Program	Intake sanctioned	Seats filled in the Session			
		2013-14	2014-15	2015-16	2016-17
Computer Science and Engineering	120	106	122	101	115
Electronics and Communication Engineering	120	123	115	106	103
Electrical Engineering	60	56	59	51	58
Information Technology	60	8	51	43	44
Civil Engineering	60	-	-	-	58
MBA	60	27	46	20	39
MCA	60	43	38	39	49
Total	540	363/480	431/480	360/480	466/540

Table 2.2 Programs offered and seats filled during last four years



Admission in the year 2015-16 in the BE programs has been 80% whereas in PG programs it was 58%. In the current year 2016-17, the admissions have gone up to 87% for BE programs and 75% for PG courses. Comparison given below

Programme	Admitted during 2015-16	Admitted during 2016-17	Percentage Increase
B.E	301/360 (83.6%)	376/420 (89.5%)	5.9%
MBA	20/60 (33%)	40/60 (66%)	33 %
MCA	39/60 (65%)	50/60 (82%)	17%
Total	360/480 (75%)	466/540 (86%)	11%

Table 2.3: Trend of admissions during 2015-16 and 2016-17

Thus, the admissions in 2016-17 have shown a healthy uptrend on a year-over-year basis. The institution has identified three strategic elements for improving admissions i.e. quality, innovation and student experience. This strategy and institutional outcomes have been communicated to the stakeholders effectively using social media. It is fair to say that this strategy has worked and resulted in the institution having maximum number of admissions among private institutions affiliated to the University of Jammu.

For PG courses, it may be noted that while admissions have grown by almost 24% at MIET on a year-over-year basis, there is a significant downtrend in admissions in other private institutions in the region. This has been affected through a strategy which aims to create significant value for students through direct and indirect interventions.

2.2 Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

MIET does not have any differently-abled student on its rolls currently. However, MIET is mindful of developing the capacity to handle such students with special needs. The first step is to sensitize the faculty to deal with the differently-abled students. The sister institution of MIET, the MIER College of Education runs a B.Ed Special Education (Mental Retardation) course, where teacher educators are trained to teach the differently-abled students.



In the meantime, ramps have been constructed at suitable places for use by differently-abled students. Provision has also been made for elevators in all the buildings and these will be fitted in a phased manner. In the newly constructed academic block D, disabled-friendly toilets have been made available on the ground floor.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

An induction cum orientation programme is conducted in the beginning of a new session for the fresh students in each department before the commencement of teaching programme which helps in understanding the knowledge base and skills of the students. Merit in the qualifying examination CET and their marks at 10+2 and 10th level are good indicators to understand the level of the students and the strategy to be followed by the faculty to tackle the class. In addition, the performance of students in the first and second internal tests which are conducted during the second and third months of their joining the college also help in understanding the students' level of understanding of the subject. This data is used to conduct remedial classes for the weak students and for those who need additional inputs for specific subjects. It is now planned to adopt a scientific testing process to assess the entry-level skills of the students. Towards this a tie-up with a suitable vendor offering testing and assessment services is being explored.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

As mentioned above, the knowledge and skill level of the students is determined at the beginning of the course and during the conduct of the session too. Specific strategies adopted for the enrolled students are as under:

- Remedial classes are planned for them during the extra periods and free days
- An activity lecture has been provisioned in the time-table to conduct value-added activities as part of the daily schedule.
- Tutorials, discussions, interactions during classes
- Mentoring, guidance and counseling by designated faculty mentors
- Concept clarification and solving last 5 year's question papers



- Explanations and discussions in local language where needed
- Sharing of lecture notes/course material
- Revision of difficult topics.
- Steps to enhance their communication skills
- Use of ICT in delivering additional content beyond the curriculum through MooCs, IIT Super Resource Center, Value-added programs etc.
- Special bridge sessions on programming and engineering graphics are organized as students face challenge in assimilating concepts in these two areas.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

MIET is a co-education college and equal opportunities are given to all the students irrespective of their gender, caste and creed. Besides this following programmes are conducted to create awareness among the staff and students periodically on these vital issues:

- Workshops/Seminars on sexual harassment awareness
- Swachh Bharat Abhiyaan
- Tree Plantation Drives
- Blood Donation Camps
- Voter Awareness drives
- Participation in Red Cross Society activities
- Visit to old-age homes/orphanages
- Workshops on human-rights, spirituality, morals and ethics
- Participation in events related to social and environmental causes
- Expert and invited lectures on these issues
- Sessions on consumer rights and welfare
- Celebration of important days and participating in external events



2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

The advanced learners are identified by the concerned faculty, based on their performance in internal assessment tests, class-room interaction and semester-end examination. They are also identified on the basis of their participation, involvement and performance in the class room/laboratory situations. The analytics software PI-360 automatically quantifies the performance of individual students, benchmarks the performance of these students against the peer group and provides a detailed dashboard for the students and faculty. The top students in academics, co-curricular and extra-curricular aspects are identified and ranked by the software. Gamification techniques are employed and these top ranked students are awarded virtual badges. All students can view the “Student Leaderboards” and the details of students are also shared on social media to give them wide recognition. Some specific strategies adopted to respond to the needs of these advanced learners are:

- Meeting in small groups with the Director under the “Tea with the Director” programme wherein these students are motivated to raise their performance and achievement levels further
- These students are invited to become a part of the Center for Research, Innovation and Entrepreneurship (CRIE) to undertake advanced projects and participate in competitive technical events at university and national levels
- These students among others are motivated to obtain industry-oriented certifications from IBM, Cisco, Dell-EMC and IIT Bombay
- These students are guided to present papers in National conferences/seminars and file patents in collaboration with expert faculty
- These students are invited to be a part of the innovative “Alumni Mentorship Programme” wherein alumni provide remote guidance and mentoring to students to develop successful careers
- These students are placed under the guidance of the leadership team and provided financial support among others for projects, participation in external events etc
- Special events, webinars and remote interactions with experts are conducted for these students and they are sometimes also invited for advanced workshops which are primarily meant for faculty



2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

Data on students' performance is collected in the analytics software package PI-360. This software automatically analyzes and benchmarks student performance against the peer group. Further, it sends out automated guidance and counseling emails to the students to help them gain insights into their overall performance and improve it further besides focusing on holistic development. Mentoring is also done periodically by the faculty. Remedial classes are conducted for slow learners. There is also provision of 10 scholarships, each carrying an amount of Rs. 10,000/- per year, which are given on merit-cum-means basis. All these initiatives have reduced the drop-outs to the minimum. In any given year, the drop-out rate is less than 1%.

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

MIET follows the Academic Calendar formulated by the Planning and Academic Affairs Committee of the college which comprises the leadership team besides all HoDs and other academic/administrative officers. Academic Calendar is prepared well before commencement of a course and contains the following details for the complete semester:

- Date of commencement of a semester
- Date sheet for conduct of 1st and 2nd sessional tests
- Dates for conduct of practical tests
- Dates for display of marks obtained by students in 1st and 2nd sessional tests
- Dates for displaying attendance status of students
- Tentative date of final examination

Inputs for preparing the Academic calendar are based on:

- AICTE/University guidelines on academic working days.



- Schedule of announcement of the results of various examinations for B.E, M.C.A and M.B.A courses by the University of Jammu.
- Schedule of the centralized Common Entrance Test conducted by the State Government (BOPEE)
- Schedule of Admission of the University of Jammu (for M.B.A and M.C.A)
- Inputs from the of the meetings of leadership team with the officials of University of Jammu where decisions on dates for exams and other modalities are finalized

Institutional planning and organization of Teaching–learning–evaluation schedule into total scheme of Academic Calendar is mainly based on some important provisions. These are:

- The Board of Studies prescribes the detailed syllabus for a subject based on provisions of Regulations
- The HOD then ensures the subject allotment to each faculty member and drafting of time-table as an outcome of a consultative process
- Each faculty prepares course plans/handouts for their subject
- Dean Academic Affairs (DAA) issues the evaluation schedule including conduct of examinations, detailing of supervisory staff, evaluation time frame and result announcement date
- DAA publishes examination schedule, follows up with the individual departments to have evaluation completed in prescribed time, ensures that all students are shown the answer scripts and sign on them and finally that internal records are compiled and uploaded to the ERP.

2.3.2 How does IQAC contribute to improve the teaching-learning process?

IQAC has been contributing very effectively in improving the teaching-learning process. Following activities have been initiated by the IQAC:

- Introduced “Evaluating Teaching Effectiveness Program” for the faculty members with less than five years teaching experience. Under this program faculty member deliver a demo lecture in front of a panel of experts, who provide detailed feedback and suggestions to teachers for qualitative improvement of teaching-learning process.
- IQAC undertakes one-on-one sessions with faculty members reviewing their performance via PI-360, the in-house analytical



framework. This allows faculty members to improve their performance and align with institutional quality objectives.

- Regular feedback is taken from the students to evaluate classroom teaching and learning effectiveness. IQAC has also introduced regular meeting of class representatives with the leadership team.
- Regular induction programs are organized for the new faculty and staff members who help in setting expectations and apprising them about institutional objectives, policies and support services.
- Online student attendance and internal assessment details are transparently shared with students through ERP system. Students review and sign their answer scripts as well.
- Weekly HoDs' meetings are conducted for increased coordination among the leadership team for quick interventions and improving organizational response time to pressing academic issues.
- Google classroom adoption has been ensured by the IQAC as an academic best-practice across entire institution to increase ICT usage among students and faculty members.
- MooCs have been introduced to facilitate student's access to world-class content.
- Remedial classes on the 2nd and 4th Saturdays have been introduced for subjects where results are traditionally below par.
- Each faculty member is responsible for mentoring 15 students leading to greater student engagement.
- Advanced Mentoring Programme was initiated by IQAC for 11 young leaders during 2016. These leaders were groomed and mentored by the senior leadership team with well-defined and specific outcomes to be achieved
- To increase library usage "Avid Reader Award" was introduced in association with the MIET Library.
- Alumni Mentorship Program has been introduced to increase the interaction between the existing students and alumni. Each alumnus mentors 2-3 students. Around 15 prominent alumni are currently mentoring 30 potential high-performing students. The first pilot program was initiated in 2015 and met with great success.



2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

At MIET, the endeavor is to make the learning process student-centered rather than being teacher-centric. Following activities are undertaken in this regard:

- Participatory learning activities like presentations, seminars and assignments/project work by referring to digital content, online journals etc. are encouraged.
- The students in the departments undertake project work, with each group of students being assigned a faculty mentor. The students are encouraged to undertake advanced projects, aim for producing research papers from their projects or enter into project competitions etc.
- The college remains in touch with the students through social networking platforms like MIET Mobile App, Facebook etc. These new age communication media are important tools to feel the pulse of the students and disseminate information effectively.
- Additional content including MooCs, NPTEL, VLABs, web-links are regularly shared by the faculty members through Google Classroom mobile application.
- Project exhibitions, paper presentation competitions are regularly conducted to provide a platform for unleashing student creativity
- Students form part of all the college committees to make them a part of the decision-making process and promote freedom of expression.
- Students are given free hand for organizing major events like Sammilan, the annual techno-cultural festival of MIET and other technical conventions, workshops, cultural and sports events.
- Five Student Chapters of International/national professional societies viz. ACM, IEEE, CSI, IETE and ISTE have been formed in the college under which students conduct different activities including Conventions at J&K State level on their own.
- Finally, new pedagogical concepts such as flipped classrooms are being introduced to make classes more engaging. All faculty members have been exposed to this pedagogical innovation through webinars etc.

For conducting above programmes, college facilities like 500+ computers, project labs, internet facilities, Wi-Fi access points, online journals etc. are at



the disposal of students.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- Students are involved in identification and planning of various value added courses. Final year major projects are approved by departmental project review committees which select projects which are innovative and real-world in nature. They are also encouraged to write research papers for state/national conferences and file patents in collaboration with the expert faculty. This way the critical thinking, creativity and scientific temper is nurtured in them making them life-long learners and innovators.
- The institution has begun experimenting with new pedagogical concepts such as flipped classrooms.
- Special initiatives such as Center for Research, Innovation and Entrepreneurship (CRIE) aim to engage students with the right potential in research-oriented innovative projects for developing advanced skills.
- Rich spectrum of technical workshops, value-added courses, holistic development programmes ensure that students get diverse experiences and learning opportunities.
- Special motivational, performance management and career guidance programs such as “Tea with the Director”, PI-360 orientation sessions are organized to provide insights to students on building good profiles while at college.
- Interaction with renowned experts through distinguished lectures, invited lectures, alumni interaction ensures that students are able to broaden their thought process.
- Exposure to professional societies such as IEEE, ACM and CSI through student memberships prepare them for lifelong learning throughout their professional careers by leveraging content available through these societies.



2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning-resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

- MIET has got 500+ computers and 9 dedicated high-end servers with 52 MBPS bandwidth. Under NME-ICT programme, the college has 4 internet connections offering 2 MBPS bandwidth.
- Each dept. has got seminar halls where computers and projectors are fitted for conduct of classes using ICT. Additional laptops and projectors are available on demand.
- The entire campus is Wi-Fi enabled. Further, the college is setting up a captive Wi-Fi network of Reliance Jio which will provide students and faculty free access to 4G speeds for internet access.
- MIET has adopted the “Google for Education” program under which each student and faculty members gets 10TB of free cloud storage, official “miejammu.in” email ids and access to over 100 educational applications from Google.
- MIET has also deployed ELMS (Electronic Learning Management System) which is MOODLE based. Recently all faculty members have adopted Google Classroom which allows digital content to be shared via mobile devices besides allowing faculty to engage with the students beyond the classroom.
- MIET is the only Super Resource Centre of IIT-Bombay under the Spoken Tutorial project of the MHRD. Under these initiative students get access to high-quality technical trainings and free certifications. Till date 600 students and 60 faculty members have already undergone on-line courses and certifications
- MooC’s from world-renowned universities on coursera and Edx have been integrated in the time-table, NPTEL lectures and VLAB content for specific courses and laboratories are used during classes by the faculty members.



2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

Exposure to advanced level of knowledge and skills for both students and faculty is facilitated through:

- Linkages with four of the top ten IT companies in the world – IBM, EMC, Cisco and Microsoft wherein access to technology, software, training and certification is provided.
- MoUs with University of Missouri-Kansas City, USA and Aurel Vlaicu University of Arad, Romania under which distinguished faculty have conducted workshops on advanced topics for MIET faculty.
- Student chapters of IEEE, ACM, CSI, IETE and ISTE under which several high-quality events and activities are conducted. IEEE and ACM publish world-class technical literature which students and faculty members access through their memberships.
- Besides these faculty members and students regularly attend MooC's, webinar's, workshops both internal and external, refresher courses organized by various universities to upgrade their knowledge and skills.
- “Gyan-Badhao” sessions are routinely organized at the department level where faculty members share knowledge on latest domains or their research areas. This is another best-practice followed at MIET.
- Distinguished lectures provide faculty and students exposure to the thoughts and ideas of renowned academicians and industry experts.

2.3.7 Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/ mentoring/ academic advise) provided to students?

A mentoring system has been developed in the college under which all students receive personal mentoring and guidance and counseling.

- A faculty mentor is assigned to 15 students on average These mentors meet the students and keep track of their performance, providing them guidance as required/needed.
- Detailed record of the guidance/counseling is maintained.
- All 1500 students receive automated guidance and counseling emails



through the PI-360 software which automatically benchmarks the performance of students and sends them an email every quarter. This provides timely feedback to the students allowing them to assess their performance in relation to their peers.

- Students are provided technical mentorship through the Center for Software Development to undertake major projects. About 30 high-achievers are personally mentored by the Director on advanced projects.
- Select students (approximately 30 in number) are also mentored by prominent alumni of the college who are well placed in the corporate sector.
- Final-year students (approximately 300) are also subject to third party assessment tests such as AMCAT, Wheelbox and LinkedIn for Placements. Detailed performance assessment besides recommending suitable industries and job roles for each student is a part of the detailed evaluation report of these tests.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

Faculty has laid great stress on use of ICT and adopted innovative teaching approaches to enhance its effectiveness. Some of the salient innovative teaching techniques are as under:-

- MOODLE based Electronic Learning Management System (ELMS) where all course-related content is shared with the students.
- Adoption of Google Classroom to enhance student engagement and enable sharing of digital content with the entire class.
- Conducting remedial classes for specific subjects during non-working days.
- Identification of advanced learners and guiding them for advanced projects, value added courses and competitions, motivating them to write research papers and file patents.
- Super 30 students in the senior semesters are mentored by the prominent alumni who are well placed in the corporate sector.
- Experimentation with flipped classroom as a pedagogical innovation is under way at MIET.



Faculty is provided all facilities for carrying out innovative practices in the college. They have access to computers and internet facility. Faculty development programmes ranging from technical skill development, enhancement of advanced knowledge, improving teaching effectiveness and pedagogy are routinely organized. Recently MIET has tied-up with the MIER College of Education an autonomous teacher training institute in Jammu for conducting workshops for faculty members.

Further, the institute sponsors faculty members to attend FDP's outside the institute and the State. Faculty are also sponsored to attend conferences. Besides this faculty member are also provided financial incentives for filing patents and publishing research papers under the Research Promotion Scheme. Finally, the IQAC cell has instituted a Recognition and Rewards programme, which recognizes the contributions of faculty members on various parameters aligned with the quality objectives of the institution. These initiatives have helped in creating a healthy academic ambience in the college.

2.3.9 How are library resources used to augment the teaching-learning process?

MIET's Library is spread over 6500 sq.ft and has a collection of over 34,000 books and subscribes to 60 print journals besides 169 e-journals under IEEE ASPP package. All books are bar-coded and managed through the Library Management Software. Project Reports of the final year students are also kept in the library for reference by the students. Computers are provided in the library for accessing online material and references. Further, the library is a member of DELNET to augment existing resources.

To encourage use of library by the faculty and students, an award named Avid Reader Award has been instituted which is given to the reader who has used the library maximum number of times. All these resources are available to the staff and students which help in enhancing the effectiveness of the teaching-learning process.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

The institution makes academic and operational plans well in advance of each semester. Further course coverage is tracked on a monthly basis so that extra classes or other interventions needed, can be affected as required.



2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

College takes periodic feedbacks from the students and teachers to ascertain quality of teaching. Besides this, formal and informal meetings of class representatives with the Director and other senior faculty members are a great source of ascertaining quality of teaching.

Quality of Teaching-Learning is assessed through:

- Regular classroom visits by experts and leadership teams
- Regular feedback from students
- Regular meetings with class representatives
- Monthly faculty reports
- Academic review and internal audits
- Evaluating Teaching Effectiveness program.

The Quality Assurance Cell (QAC) analyses the feedback centrally and gives the consolidated report. The feedback is shared with the faculty members and key stakeholders including top management so that further improvements can be achieved in the defined outcomes. Finally, the results of internal sessional tests and final university results are great indicators of the teaching-learning outcomes based on which corrective actions are initiated to further improve these processes.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

The details of faculty designation and category wise are mentioned at the Table 2.4:



Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
Ph.D	3	-	2	-	3	4	12
PG	2	-	2	-	29	29	63
Temporary Teachers							
Ph.D	-	-	2	-	1	2	5
PG	-	-	-	-	10	11	21
Adjunct Faculty							
	Male		Female		Total		
PhD	1		-		1		
PG	7		3		10		
BE	4		-		4		

Table 2.4: Details of Faculty Members

MIET admits only students from J&K state as per the regulations of the State Govt. This has also resulted in a majority of the faculty being from J&K itself. The institution has faced the following challenges in faculty recruitment:

- Lack of availability of higher degree holders as the Universities in the state (NIT Srinagar and SMVDU have very recently started offering PhD programmes in engineering).
- Lowest fee structure of Rs. 48,000 per year which was revised only 3 years ago from 37,800 per year.
- Faculty members from outside the state are not very receptive to work in J&K due to negative perceptions of the State and also since they cannot permanently settle in J&K.

Inspite of these challenges, the institute has developed a definitive strategy to attract and retain high quality faculty:



- Established the image of MIET as an equal opportunity employer offering fair compensation and growth opportunities.
- Created a culture based on values, respect and ensuring the dignity of every individual.
- Created a performance-based culture offering accelerated growth to faculty members demonstrating higher performance levels.
- Offering faculty support services and policies which encourage faculty development through recognition, incentives and support for pursuing higher education.
- Created an open culture with responsive leadership.
- Reached out to recruit faculty from outside J&K. Currently 10% of the faculty is from outside J&K with a target to increase it to 25% in the next 2 years for increased cultural diversity.
- Offered mentoring, development programs and new opportunities for faculty members.
- Managed to institutionalize an employee-friendly environment.

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

Yes, there is growing demand and scarcity of qualified senior faculty. To meet this scarcity, the college has approached experts in academia and industry and appointed them as Adjunct faculty. Details are provided below:

S.No.	Adjunct Faculty Details	Designation	Department
1	Mr. K. R. Suri	Ex-General Manager, PGCIL	Electrical Engineering
2	Mr. Joy Ganjoo	Managing Director Lotus Industries	Electronics & Communication Engineering
3	Ms. Komal Mahajan	Manager Software Testing Morgan Stanley, Mumbai	Computer Science Engineering
4	Ms. Ansuyia Makroo	Manager Software Development	Computer Science Engineering



		Morgan Stanley, Mumbai	
5	Mr. Vikram Goel	Digital Strategy Tech Mahindra	Electronics & Communication Engineering
6	Mr. Manu Gupta	e- commerce/Personalization- Digital Marketing Group at Sprint Reston, Virginia	Electronics & Communication Engineering
7	Mr. Usman Ahmed	Program Manager, Veritas Software Technologies Pvt Ltd	MBA
8	Prof. Vinod K Madan	Fmr. Scientist BARC, Mumbai	Electronics & Communication Engineering
9	Ms. Ankita Bansal	Computer Software Professional, Jammu	Computer Science Engineering
10	Mr. Ajay Raina	AVP, Credit Suisse Pune	Computer Science Engineering
11	Mr. Ajay Gupta	Chief Engineer, Generation, PDC	Electrical Engineering
12	Mr. Avik Mitra	Senior Advisor Quality Council of India	MBA
13	Mr. Pankaj Sharma	Deputy General Manager Tata Teleservices	MBA
14	Mr. Prasenjeet Gargvanshi	Lead for Customer Life Cycle Management Tata Teleservices	MBA
15	Mr. Vinay Kumar Malhotra	Fmr. Chief Engineer JKPDD, J&K	Civil Engineering

Table 2.5: Details of Adjunct Faculty

2.4.3 Providing details on staff development programmes during the last four years and elaborate on the strategies adopted by the institution in enhancing the teacher quality.

Updating faculty's knowledge has been a key priority area for the college. Details of faculty development programmes conducted within the college and the faculty nominated for faculty development programmes in other institutions are tabulated below. Besides this, the number of faculty members

who participated in external workshops, seminars and conferences or presented papers or acted as resource persons are also given below:-

a) Nomination to staff development programmes in Other Institutions in the last 4 years

Faculty / Staff Development Programmes	Number of faculty benefitted				
	2012-13	2013-14	2014-15	2015-16	Total
Refresher courses	1	2	2	2	7
HRD programmes	0	0	0	1	1
Orientation programmes	35	160	112	27	334
Staff training conducted by the university	5	2	2	8	17
Staff training conducted by other institutions	60	75	56	95	286
Summer / Winter schools, Workshops, etc.	70	78	82	88	318

Table 2.6: Details of Staff Development Programmes

b) Faculty Training programmes organized by the institution

S.No.	Name of Faculty Training Programme /Main Theme	Number of Courses Conducted in last four years
1.	Teaching Learning Methods/approaches	10
2.	Handling New Curriculum	5
3.	Content/Knowledge management	5
4.	Emerging Technology Programmes	68
5.	MOOCS, OER, Webinars and Certification Courses	18
6.	Advanced Mentorship Programme for 2 nd line of leadership in depts..	2

Table 2.7: Faculty Training Programs



c) Percentage of faculty who acted as resource person or participated/ presented paper in workshops, seminars and conferences are as under:

	%age of Faculty
Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies	4
Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies	12.24
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	57.12

Table 2.8: Details of faculty who acted as resource person/participated in external conferences/workshops

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

The institute has various programmes to recharge and motivate faculty members so that they give in their best. Some of the prominent policies are as under:

- Faculty members are sponsored and encouraged to pursue higher studies. In the last five years, 7 faculty members have completed Ph.D. and 10 have completed M.Tech programmes. Presently, 10 faculty members are pursuing Ph.D from various universities on part-time basis.
- During higher studies, they are given study leave as required. For other programmes, they are given weekly off or duty leave for their bi-annual contact programmes in other colleges such as the NITTTR, Chandigarh.
- The teachers are also encouraged to write research papers for the conferences/seminars. Those teachers whose papers are accepted/invited for oral, poster presentations, are deputed to



participate and present their research papers in the national/international conferences/seminars/ workshops. During the last five years, the faculty members have published more than 350 research papers in International/ National journals and conference proceedings.

- Under the Research Promotion Scheme (RPS), the institute provides up to Rs. 10,000 (ten thousand only) per year to each faculty member to enable them to register for and attend conferences. Being a self-financed college, this is a big commitment from the management to promote research.
- For each research paper published, the faculty is provided monetary incentives under RPS.
- Teachers are also deputed for in-service training to gain knowledge about new technologies in emerging areas.
- Teachers also gain valuable experience and exposure while interacting with experts from IBM, Cisco, EMC and Microsoft under the linkages established by the institution. Faculty members also receive specialized training from IBM and EMC on latest technologies.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Seven faculty members have received awards/recognitions at the state/national and international levels for excellence in academia in the last four years:

- Prof Ankur Gupta has received the following awards/recognitions:
 - Selected among 20 Directors/Principals across India for the Australia-India Vocation Education Leadership Training program at Australia from 26th February to 4th March, 2017.
 - Startup Board Award at 8th India Innovation Initiative, November, 2016 organized by AICTE, DST and CII. His innovation was selected among top 10 in India out of 600 entries.
 - “Academic Game Changer Award” by EMC during 2015
 - “Faculty Mentor Award” by IBM during 2013
- Ms. Surbhi Sharma, Mr. Nitin Langar, Ms. Taru Mahajan and Ms.



Richa Vashistha got the “ISTE North Zone Best Teacher Award” for the years 2016, 2015, 2014 and 2013 respectively.

- Mr. Sahil Sawhney, received the Startup Board Award at 8th India Innovation Initiative, November, 2016 organized by AICTE, DST and CII.

Besides this the institution has received the following awards:

- Quality Council of India’s D.L Shaw Platinum Award for Performance Insight 360 at the National Quality Conclave in 2016
- Ricoh Education Excellence Award – “Best Institution for use of technology in enabling student services” in 2016
- Dialogue India Award for “Best Private Engineering College in J&K” in 2016
- “Outstanding Technical Institution in North India” award by NITTTR Chandigarh in 2014
- IBM Top 50 College award in The Great Mind Challenge project competition 2015
- IBM Top 30 College award in The Great Mind Challenge project competition 2013

Thus, the institution has clearly created a culture of showcasing its best-practices and celebrating its achievements. This has motivated the faculty members to follow suit and aim for enhancing performance and achievement levels in all spheres.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Yes, the college has introduced evaluation of the teachers by the students. The feedback from the students is obtained teacher-wise and course-wise. The feedback process and follow-up action is managed by the IQAC Cell. The IQAC analyses the feedback and gives the analyzed evaluative report. The feedback is shared with the teachers in a constructive manner so that further improvements can be achieved in the teaching process. Further, teacher feedback is solicited by the Dean Academic Affairs in his monthly meetings with the class representatives. Follow-up feedback if needed is collected by the Quality Assurance Officer for specific cases.



The institute is ISO 9001:2008 certified since 2007. Thus, annual internal and external audits are conducted which involve evaluation of the teaching process as well. Recently, the institution has tied-up with the MIER College of Education to evaluate teachers and train them on effective pedagogies and styles of teaching.

The leadership team also evaluates teachers in the Evaluating Teaching Effectiveness program in which all new faculty members need to deliver lectures in simulated classroom settings. Individual feedback is shared with the faculty members to improve teaching quality and effectiveness.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

Details of the evaluation methods are communicated to the students at the beginning of the year during their induction session. Besides this, Academic Calendar is issued before commencement of each semester which gives dates on which internal assessment tests are conducted. Upon completion of the evaluation process the evaluated answer scripts of the students are shown to them and their signatures obtained to ensure complete transparency. Students can approach the faculty members for re-evaluation as and when required.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

The University of Jammu has spelled out the components in each subject which will carry weight in the internal sessionals being conducted by the college. Weightage of each component is as under:

- Attendance - weightage 20%
- Two sessional tests - 20 % weightage for each test
- Two assignments - 20% weightage for each assignment

Besides this reforms in evaluation initiated by the college are as under:

- A new post of Dean Academic Affairs (DAA) has been created to streamline the teaching-learning and evaluation process and ensuring effective implementation and monitoring.
- Dates of internal examinations are known to all the stake holders at the commencement of the semester.



- Setting of papers for internal tests are managed by DAA who also moderates the papers if required, publishes examination schedule, nominates supervisory staff from other departments and provisions exam halls in such a way that tests are conducted in a fair manner.
- After evaluation, answer scripts are shown to all the students and their signatures obtained.
- The marks are entered in the ERP and made available to all stakeholders.
- Retests when necessary are also conducted in special cases and managed separately.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- The Dean Academic Affairs (DAA) ensures effective implementation and monitoring of the evaluation guidelines of the university and the college. The DAA plans conduct of internal tests, organizes setting and moderation of question papers, nominates suitable supervisory staff for effective conduct of tests. After the tests, the DAA along with the Internal Assessment Committee, consisting of senior faculty conducts checking of uniform implementation of the evaluation guidelines.
- Director conducts meeting with all HoDs wherein DAA gives inputs on the evaluation process. The same are discussed in the meeting and in case required, suitable guidelines are issued for effective implementation by all concerned.
- The Internal Assessment committee comprising senior faculty assists the DAA in conducting surprise checks, review and check the compiled internal assessment records and ask the concerned faculty to make any corrections before the evaluation of the records by the inspection team from the University of Jammu.

2.5.4 Provide details on the formative and summative assessment approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system.

Formative Assessment Approach: During the semester, students are required to undergo at least two tests besides completing two assignments per course. In the final year, minor and major projects are also given to the students. Students also present seminars as part of several courses.



Summative Assessment Approach: Besides the usual assessment methods, some of the novel assessment methods adopted by the institution are:

- Third-party assessment tests are administered for the students such as AMCAT, Wheebox and LinkedIn for placements. These tests measure and benchmark the students at the national level besides providing detailed customized reports to individual students enabling further improvement.
- The Performance Insight 360 (PI-360) quality analytics framework developed by the institution measures, assesses and tracks the students on a multitude of parameters – academic, co-curricular and extra-curricular, culminating in the computation of the Student Performance Index. This index is used to benchmark the student performance against the peer group and indicate the relative performance of the student. The system also provides automated guidance and counseling emails on quarterly basis to the students. This is a novel award-winning holistic assessment methodology adopted by the institution.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

Improvement has been made in ensuring complete transparency in the internal assessment process. Some of the salient aspects of this process are as under:-

- Dates of assessment tests are notified before commencement of the semester
- Test papers are centrally moderated under Dean Academic Affairs
- Inter-department supervisory staff is nominated during internal tests
- Duly evaluated answer scripts are shown to all the students and their signatures obtained
- Marks of students are displayed on the departmental notice board after evaluation and entered in the ERP as well.

Weightage of various components in the internal assessment are decided at the university level and cannot be altered at the college level.

2.5.6 What are the graduate attributes specified by the college/affiliating university? How does the college ensure the attainment



of these by the students?

Graduate attributes are different for different programmes. However, the college has adopted 11 attributes specified by the National Board for Accreditation for engineering programmes. These attributes are also aligned with the graduate attributes defined by international professional associations such as the IEEE. They are reproduced below:

- To demonstrate knowledge of mathematics, science and engineering
- To demonstrate an ability to identify, formulate and solve problems
- To demonstrate ability to design and conduct experiments, analyze and interpret data
- To demonstrate an ability to design a system or process
- To demonstrate ability to visualize and work on multi-disciplinary tasks
- To demonstrate skills, software knowledge and tools to analyze problems
- To demonstrate knowledge of professional and ethical responsibilities
- To be able to communicate effectively both in verbal and written form
- To show impact of solutions on society and also be aware of contemporary issues
- To develop confidence for self-education and ability for life-long learning
- To develop ability to participate and succeed in competitive examinations

To attain these graduate attributes, subjects mentioned in the curriculum issued by the university are taught effectively. In case some gaps are found, then suitable value added courses are planned for the students as detailed in previous sections.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

At the college level, following procedure is followed for redressal of grievances regarding evaluation:

- After the faculty has finished evaluating the answer scripts, these are shown to the students and their signature taken on the answer script to signify their satisfaction with the evaluation process and promote



transparency.

- The student has the right for (i) re-totaling (ii) re-evaluation (iii) Obtaining photocopy of answer sheets.
- In case of any grievance, the teacher needs to convince the student that the marking is correct or needs to alter the marks if the grievance is justified.
- In case student is still not satisfied, then he/she can approach the Central Grievance Redressal Committee of the College which ensures proper disposal of the case.

At the university level, a student can get photocopy of his answer script under RTI Act and if not satisfied with the evaluation, he/she can approach the university for rechecking of the answer scripts. However, reevaluation of answer scripts at the University level is not permitted as per statutes.

2.6 Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

Yes, each programme of the college has spelled out its program outcomes and course outcomes. These are made known to the stake holders through the college website and course handouts. The institute is also in the process of applying for programme-level accreditation by NBA for which defining student performance and learning outcomes is mandatory.

Finally, the performance framework for each student is defined, standardized and communicated through the Performance Insight 360 framework which specifies many potential areas where students can demonstrate learning outcomes, achievements and performance levels. The institution is able to measure and track learning outcomes and performance of each student and also benchmark each student performance against their peer group.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the student's results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

Student Performance is monitored and communicated through:

- Automated guidance and counselling is provided to all students



through the in-house software Performance Insights 360 software which is a major innovation. Student's performance is benchmarked and a detailed email in which the relative performance of the student is evaluated automatically is sent every 3 months. This provides the students a transparent performance feedback and motivates them to enhance their performance further.

- Each student's detailed performance is maintained in the Performance Insights 360 framework covering academics, co-curricular and extra-curricular performances and achievements. Graphical analysis and relative benchmarking of students performance is also performed.
- ERP management system has been introduced and all students have been given the access by providing unique user name and password for the regular monitoring of Attendance and Internal Assessment records
- Results are displayed on the notice boards at department level. This practice is done to keep all the results transparent
- Departmental reviews are conducted regularly to monitor student pass percentage and progression.

Year-wise Academic Performance for last 4 years is given below:



Fig 2.1: Institutional Academic Performance

Department-wise academic performance for year 2016 is given below:

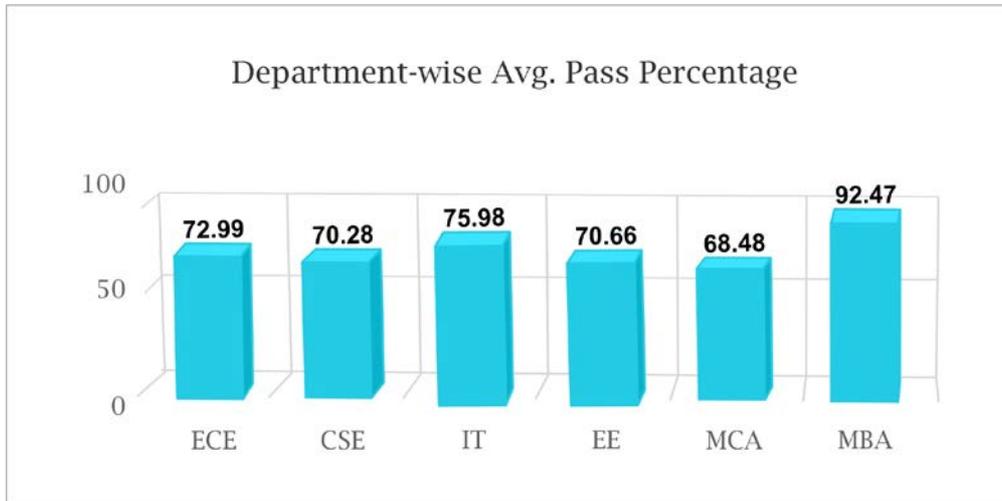


Fig 2.2: Department-Wise Academic Performance

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

To ensure achievements of the learning objectives, following procedures are followed:

- Academic planning is carried out to define the academic roadmap/calendar for the institution at the beginning of the year.
- Teaching plans are formulated, planning for new courses if any done, workshops for faculty conducted to identify e-content, MooCs, NPTEL and VLAB content to be used during teaching. This material is documented in the course handout and plan.
- Timetables are created and disseminated by the DAA.
- Monitoring of the classes are done by the Heads of Departments, IQAC and the leadership teams. Interventions if required are initiated.
- Faculty and Heads submit online monthly reports indicating progress on academic plans, progress etc.
- Assessment dates, evaluation timelines and quality of assessment is evaluated by the Internal Assessment Committee.
- IQAC collects feedback from all stakeholders to ensure compliance with stated objectives and outcomes.
- IQAC orients students and faculty on the performance assessment



framework as defined by PI-360 and encourages all stakeholders to enhance their performance levels.

- After declaration of result of each semester, result analysis is carried out to ascertain the level of achievement the outcomes and strategies are made to refine the procedure
- Management Committee of the College conducts review of the college performance once a year and decisions are taken to refine the process and set the new outcomes.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

- The Training and Placement cell organizes regular placement drives on campus, interfaces with other institutions to create placement opportunities for the students through participation in external drives.
- Competency Building Program is conducted for final-year students to make them ready for the placement process.
- Students are encouraged to undertake third party assessment tests like AMCAT, Wheelbox and LinkedIn, scores of which are made available to over 1,000 companies for shortlisting students for jobs.
- With the help of the MSME, a Technology Business Incubator (TBI) has been established in the institution under which students with best innovative ideas are given a grant of Rs. 4-8 Lakh for commercialization of their idea.
- Students are encouraged to write research papers and file patents in collaboration with the expert faculty.
- Students are encouraged to participate in National-level project competitions, hackathons, codathons etc. for competitive exposure.
- Research and Innovation workshops are organized for students to provide them exposure to new skills
- Center for Research, Innovation and Entrepreneurship has recently been setup to allow high achievers to work on innovative showcase projects.

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?



The software package PI-360, which has been developed in-house, is used to track performance of the students online. Data of students with regards to their academic results, extracurricular activities etc. are uploaded by the students themselves. This data is verified by the assigned faculty mentor and analyzed by the software. The software benchmarks the performance of each student and sends automated guidance and counseling messages to the student once in each quarter through email. Student leaderboards are populated by the software to identify the top performing students. Each student gets a consolidated dashboard of their performance. Students are thus made aware and responsible for their own performance and achievement levels.

Further, detailed analytics of student performance – batch-wise, semester-wise, subject-wise and faculty-wise is available which allows for deep insights into academic performance to be derived and appropriate interventions implemented.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

Intended learning outcomes are spelled out for each course and documented in the course plan. Realization of intended learning outcomes is correlated with university results, placements, performance in competitive examinations and achievement of higher objectives such as international admissions in top universities.

As all the parameters are captured in the analytics software PI-360, shortfall in any outcome becomes evident. During periodic meeting of the HoDs with the Director, corrective actions are planned accordingly.

Further, Management Review Meetings (MRMs) are conducted once a year with the top management wherein the progress against the stated quality objectives and holistic view of institutional performance is reviewed. Finally, the Managing Committee of the college constituted by the University of Jammu evaluates the achievement of learning outcomes and other outcomes reflective of institutional performance.

2.6.7 Does the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes, students' performance is evaluated based on the outcomes and same is used for the planning purposes. Process followed is as under:

- Internal assessment results are used to identify slow and advanced



learners. Remedial and enrichment programmes are planned accordingly.

- Result analysis of each semester is carried out for university results.
- Where ever result is less than the quality objective/outcome as decided for the college, complete root-cause analysis is carried out by the concerned faculty and Head of Department.
- Actions like re-allocation of subjects to different teachers, conduct of remedial classes etc. are decided for further action.

2.6.8 Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

College lays a great stress on use of ICT in teaching learning and evaluation process. Analytics software tool PI-360 has been developed in-house which is used measure and track student, faculty, department and the institutional performance indices. This tool gives year-over-year trend analysis of performance on various quality parameters. This helps in introspection at each level and plan for future. Besides this, other salient initiatives taken are as under:

- A Skill Development Matrix is put in place which maps the skill sets to each semester allowing the institution to impart additional skills. This has been provisioned in the timetable through the creation of an “Activity Lecture” on a daily basis.
- Life skills (confidence building, coordination, team building and leadership skills) are imparted to students by conducting the I-Survive Adventure camp every year. This is a novel initiative in which a specialized adventure camp has been setup at Patnitop, a hill-station near Jammu, and experts guide the students through several adventure activities to overcome their inhibitions and develop life-skills.
- Industrial visits are organized to reputed companies for regular industrial exposure.
- Students and faculty are exposed to lectures by experts under the ‘Distinguished Lecture Series’ ‘Invited Lecture Series’ and ‘Meet the Alumni Series’.



CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

No

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, MIET has a committee called Research, Project Development and Publications (RPP) Committee with an objective to formulate policies and streamline the research and development activities. The Committee also implements the decisions related to promotion of research at MIET. Its main objectives are to promote research publications by the faculty, conduct programmes to develop research skills and formulate policies to encourage research activities. Composition of the committee is as follows:

- Prof. Ankur Gupta, Convener
- Dr. Nitin Langer, Co Convener
- Prof. B.S Komal, Member
- Prof. P.N Sharma, Member
- Dr. R.M Vaid, Member
- Dr. Ajit Viridi, Member
- Dr. Vijay Kaul, Member
- Mr. Salim Qureshi, Member
- Mr. Sahil Sawhney, Member
- Ms. Taru Mahajan, Member
- Mr. Rishi Gupta, Member
- Ms. Arti Kotru, Member
- Dr. Satyendra Singh, Member
- Mr. Sanjeev Sharma, Member
- Dr. Sunil Sharma, Member



Major Decision taken by the committee

- The Committee has articulated a vision to establish MIET as a leader in R&D and innovation in the private sector in the State of J&K.
- Formulation and revision of Research Promotion Scheme (RPS) to provide incentives to faculty members to undertake and publish quality research.
- Focus on improving quality of research publications as evidenced by papers published in SCI/SCIE/Scopus/SSCI/ESCI/DBLP-indexed publications
- Constitution of Research Awards to recognize faculty members for their research work and institutionalizing a culture of research and innovation at MIET.
- Framing new policy on consultancy & projects undertaken by the faculty members.
- Framing IPR/Patent policy.
- To conduct timely faculty orientation workshops on helping improve skills, capacity and capability of research.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

The institution has a well-defined policy in place relating to faculty participation and support in undertaking research activities/projects. The salient features are as under:

- All faculty members who act as Principal Investigators/Coordinators for various grants are provided complete autonomy to effectively carry out their research/projects with monitoring by the leadership team.
- A separate account is created for the grants received and the funds are allocated and utilized as per plan and requirements.
- The central finance office monitors the scheme for financial compliance. Once the project is over the accounts for the project are audited by the institute auditors and utilization certificate prepared and sent by the institute. Till date all projects have been completed within the stipulated time-frame and all utilization certificates submitted.
- Under the Research Promotion Scheme (RPS), cash awards are given for paper publications. Typically, cash awards ranging from Rs. 1500

to Rs. 4000 per research paper are awarded to each faculty member depending upon the category and quality of publication. Since, the last accreditation cycle over Rs. 6 Lakhs has been disbursed on account of research and publication awards to faculty members.

- Besides research awards, the institution also encourages participation by the faculty in conferences by providing them with a grant limited to Rs 10,000 per year per faculty member which can be utilized for paying TA/DA and registration fee of conferences/workshops.
- The college also provides the participating faculty with the privileges like duty leave for attending conferences.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

Though the institute primarily operates courses at the UG level, there is a specific emphasis on encouraging student research. Some of the notable student research contributions are:

- Mr. Saajan Shridhar and Mithileshwar Lakahnpuria from CSE published a joint paper with Prof. Ankur Gupta, “SNAIR: A Framework for Personalised Recommendations Based on Social Network Analysis”, In 5th ACM SIGSPATIAL International Workshop on Location Based Social Networks, Redondo Beach, California, USA, Nov. 2012
- Saajan Shridhar from CSE published a joint paper with Prof. Ankur Gupta, “Improving Student Engagement in Higher Education: An Experiment with a Facebook Application, International Journal of Computer Science: Theory, Technology and Applications, April. 2014
- Sumbal Jahan, Rajat Sharma, Falak Mushtaq and Rishav Gupta from CSE filed a patent at Indian Patents and Trademarks Office, “A Method of Controlled Sharing of Personal Content on Mobile Devices”, 1454/DEL/2015.
- Ashish Deep Singh and Nausheen Saraf from CSE filed a patent at the Indian Patents and Trademarks Office, “A Method of Automated Attendance Management Using Mobile Devices on Custom Wireless Networks”, 2016-11006177.

Some of the initiatives in promoting student research are as under:

- Regular conduct of research/innovation workshops for students to apprise them about research and trying to solve real-world problems.
- Regular conduct of IPR/Patenting awareness workshops to encourage



students to file patents and undertake innovation.

- Conduct of Distinguished Lecture Series under which eminent researchers are invited to interact with the students on cutting-edge technologies.
- Financial support to selected student projects which are innovative or research-based.
- Student involvement and mentoring by senior researchers/faculty in faculty research projects.
- Internship opportunities for students in the Center for Software Development at MIET to provide exposure and hands-on experience in real research projects.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

Approved PhD Co-Supervisors

- Prof. Ankur Gupta, Computer Science and Engineering – Thapar University, Chitkara University
- Prof. G.S. Sambyal, Computer Science and Applications – University of Jammu
- Prof. B.S. Komal, Mathematics – University of Jammu

Joint Journal Publication

Prof. Ankur Gupta, CSE publishes the International Journal of Next-Generation Computing (IJNGC– <http://ijngc.perpetualinnovation.net>), jointly with Prof. Vijay Kumar, University of Missouri-Kansas City, USA. The journal is indexed in Thomson Reuters, Emerging Sources Citation Index (ESCI) under Web of Science.

Research Projects

There are no ongoing faculty research projects. However, some of the completed funded projects are:

- The Education Facebook, UGC Major Project, Prof. Ankur Gupta, Executed Jointly with MIER College of Education, Rs. 6.5 Lakhs, 2012-2014



- Cross-Organizational P2P Networks, AICTE Career Award, Prof Ankur Gupta, Rs. 10.5 Lakhs, 2008-2011

3.1.6 Give details of workshops/ training programs/ sensitization programs conducted/ organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

S. NO.	Details of workshop/trainings	Year
1	Research Methodology through ICT, NITTTR	2017
2	Research Methods in Management, Business School, University of Jammu	2016
3	IUCEE online course on “Reviewing and Writing Research Papers”, Indo-Universal Collaboration for Engineering Education Arizona State University, USA.	2016
4	Writing Research Proposal for Funding, The faculty of Science, University of Jammu in collaboration with J&K State Science Technology & Innovation Council	2016
5	Workshop on Intellectual Property Rights (MSME)	2016
6	IIT Bombay Latex Training & Workshop, MIET/IIT Bombay	2016
7	Innovation Workshop (Students), MIET	2016
8	Advanced Workshop on Cyber Security by Prof. Vijay Kumar, UMKC	2015
9	Research Skills Workshop (Student), MIET	2015
10	Patent Workshop-Developing	2015



	Patentable Ideas, MIET	
	Workshop on Research Innovation in Machine Learning, MIET/ Jammu University	2015
12	Research Skills Workshop (Faculty), MIET	2014
13	Design Thinking Workshop, Tinker Labs, Mumbai	2014
14	Advanced Research in CS/IT, UMKC, USA	2013
15	Total Quality Research Programme, MIET	2013
16	Research Issues in Mobile Computing, NIIT University Neemrana	2013

Table 3.1: Details of Research-oriented Workshops/Trainings

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

A few of the priority research areas for research have been identified as under:

- Distributed Systems (Cloud, Big Data, Machine Learning, IoT, P2P)
- Communication Systems
- Power Systems
- Internet and Communication Technologies (ICT)
- Higher Technical Education – Quality Assurance, Strategic Management

In each of these areas high-quality publications, patents and projects establish the domain-expertise of the faculty. Further, the institute has a fully functional Center for Software Development which specializes in software development in SMAC technologies (social, mobile, cloud and analytics).

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

S. No.	Name of Guest Faculty	Organization	Year of Visit/Interaction
1	Prof. A.S Brar	Vice Chancellor, GNDU Amritsar	2016
2	Prof. Marius Balas	AV University of Arad, Romania (Automation and Control Systems)	2016
3	Mr. Gautam Mahajan	President Interlink, President Indo-US Chamber of Commerce	2016
4	Prof. Javed L. Khan	Kent State University, USA	2016
5	Prof. Enrico Staderini	Western University of Switzerland (Bio-medical Systems)	2016
6	Prof. Vijay Kumar	University of Missouri-Kansas City, USA	2015
7	Prof. Minda Mason	School of Management University of Missouri-Kansas City, USA	2015
8	Prof. Amitabh Mattoo	Former VC University of Jammu and Advisor to CM J&K State Govt.	2015
9	Prof. Valentina E. Balas	AV University of Arad, Romania	2015
10	Prof. Kevin Z. Truman	Vice Provost, University of Missouri-Kansas City, USA	2015
11	Prof. P.C Deshpande	IIT Delhi	2015
12	Prof. I.K Bhat	Director, NIT Jaipur Former Director, NIT, Hamirpur	2015
13	Prof. Lalit K. Awasthi	Current Director NIT Jalandhar	2015
14	Prof. S.K Jain	Vice Chancellor Sri Mata Vaishno Devi University	2015
15	Prof. R.D	Vice Chancellor	2015



	Sharma	University of Jammu	
16	Prof. Debopam Acharya	Head, Computer Science Shiv Nadar University	2013
17	Prof. Dheeraj Sanghi	IIT Kanpur and Dean Academic Affairs, IIIT-Delhi	2013

Table 3.2: Details of Distinguished/Eminent personalities who visited MIET or interacted over video-conferencing

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

While faculty members have availed study leave to pursue PhD programmes, the provision of sabbatical have not yet been availed by any faculty member.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

This area is a work in progress. The two patents filed by the institution in the domain of analytics for education institutions have been translated into a real-world analytics framework which has received three awards at the National level. The institute has also set up the Center for Research, Innovation and Entrepreneurship (CRIE) which will specifically undertake innovative projects and research in the local context i.e. solving real-world local problems. Further, the Technology Business Incubator (TBI) under MSME intends to translate tech innovations with business potential into startups with seed funding & mentoring.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

Research Budget 2017: 10 Lakhs (5% of Discretionary Budget)

Research Incentives: 2.5 Lakhs

Travel/Registration Grants: 2.5 Lakhs

Research Events: 2.5 Lakhs

Project Support: 2.5 Lakhs



Typical utilization levels range from 50-70%. In 2016, the utilization of 70% of the allocated research budget was achieved.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

No. The institution is not in a financial position to provide seed money for faculty research at present.

3.2.3 What are the financial provisions made available to support student research projects by students?

Students at the undergraduate level do not typically undertake research projects. However, to promote innovation, the institution has recently articulated a policy to provide financial support to innovative student projects. Under this policy support of up to Rs. 15,000 is available to students who undertake an innovative project as evaluated by the Research, Projects and Publications Committee of the institute.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

Inter-disciplinary research at MIET is in nascent stage. Some of the examples of inter-disciplinary research are:

- MIET undertook a UGC Sponsored Major Research project, “The Education Facebook” jointly with the MIER College of Education (Autonomous) for an amount of 6.50 Lakhs. The project explored the impact of social media on learner engagement and satisfaction levels.
- The departments of Computer Science and Electronics and Communication are working together to file the first inter-disciplinary patent on preventing over-loading of public transport vehicles to avoid accidents.
- Ground work has been started to undertake inter-disciplinary projects with Infineon Technologies Bengaluru on real-world problems in the J&K context with special emphasis on disaster management, intrusion detection, road-safety etc.
- Faculty members from Electrical Engineering have published joint papers with faculty in Mechanical Engineering Department.



- Faculty members from CSE are guiding ECE students in their major projects especially in IoT domain.

Going forward special emphasis shall be placed on promoting interdisciplinary research within the institute and with researchers outside the institute.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

Research facilities are allocated on a need-basis to researchers and students. An open culture encouraging use of facilities beyond regular working hours exists. The utilization of the research facilities is still less than optimal and needs to be enhanced through sustained student research activities and special projects.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

Although no financial grants have been received from the industry, the institute has received several software packages from industry-leaders to provide access to the faculty and students to latest-cutting edge technologies. Some examples include:

- Free licenses of Rational suite of software, RAD, DB2 under IBM Software Center of Excellence.
- Free Access to IBM Bluemix – cloud based development and deployment platform.
- Free Access to EMC Storage, Virtualization and Cloud Simulators under EMC Center of Excellence.
- Free Access for students to over 100 licensed software packages under Microsoft Academic Alliance.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The institute regularly provides updates to faculty members on the schemes of funding from various agencies. Proposal writing support and mentoring by



the leadership team is provided to faculty members to increase chances of success.

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total Grant	
				Sanctioned	Received
Minor projects	-	-	-	-	-
Major projects	2015-16	-	-	-	-
	2014-15	The Education Facebook	UGC	6.5L	6.5L
	2013-14	HPC Lab	DST, FIST	40.0 L	40.0 L
	2012-13	Mobile Computing	AICTE	15.0 L	15.0 L
	2012-13	PC Simulation	AICTE	6.0 L	6.0 L
Interdisciplinary projects	-	-	-	-	-
Students' research projects	-	-	-	-	-

Table 3.3 Details of Funds received

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

The major research facilities have been developed for the benefit of teachers and student researchers and are as follows:

- IBM Software Center of Excellence which provide access to cutting-edge technologies and tools for research in the area of software engineering, web engineering.
- A “Microwave Test and Measurement Lab” having a Digital Storage Oscilloscope, Spectrum Analyzer along with a Signal Generator, financed by AICTE. This equipment is available for research projects.
- The college has created a setup for research in Distributed Systems



funded by FIST-DST comprising high-end DELL Blade Servers and nodes enabling experiments to be designed and simulations pertaining to cloud computing (cloudsim), networks (omnet) and P2P networks (p2p-sim) etc. to be run.

- A Mobile Computing Lab has been setup comprising of 20 computers funded by the AICTE for research in mobile computing and developing mobile applications.
- Software Simulators from EMC Corporation are available to faculty members for research in storage technologies.
- MATLAB/VLSI/SciLab software is available in the simulation lab for research in diverse domains.
- Center for Software Development and Information Systems (CSDIS) exists which undertakes real-world projects and generates IP for the institution.

Research Facilities in Library

- College has subscribed to IEL-Online under INDEST-AICTE by paying over Rs. 4.80 lakh per annum under which faculty and students have on-line access to 160+ IEEE Journals.
- Access to ACM Digital Library exists.
- The library maintains separate reference/periodical section with back volumes and current journals/dissertations/project reports for ready reference.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

The institute aims to develop high-quality research culture and facilities by starting research-based PG programmes. It already has approval from the AICTE for start of M.Tech programme in CSE since 2010 which could not be started due to lack of statutory provisions at the affiliating university. The institution has actively developed research linkages with UMKC, USA and UAV Arad, Romania to strengthen collaborative research. The institution has planned to make budgetary provisions for strengthening research infrastructure in the coming 5 years as well as plan to raise funds from external granting agencies in a phased manner. Some of the domains in which research infrastructure is envisioned to be developed are:

- Internet-of-Things/Wireless Sensor Networks



- Embedded Systems
- Distributed Computing and Computer Networks
- Mobile Computing
- VLSI
- Power Electronics
- Renewable Energy

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If ‘yes’, what are the instruments / facilities created during the last four years.

The details of the special grants/finances received from government agencies for developing research facilities are given at Table 3.4

Year	Project	Granting Agency	Grant Amount (Lakhs)
2014-15	The Education Facebook	UGC	6.5
2013-14	FIST	DST, GOI	40.0
2012-13	Mobile Computing Lab	AICTE	15.0
2012-13	PC Simulation Lab	AICTE	6.0
2012-13	CNC Trainer	AICTE	7.0

Table 3.4: Funds received for developing research infrastructure/facilities

The instruments/facilities created during the last four years are given below

- High-Performance Computing Infrastructure, 5 Dell-Blade Servers and 30 nodes, Rs. 40 Lakhs under DST-FIST. MIET is the only private institution to receive funding under FIST in J&K
- Mobile Computing Laboratory, 20 nodes, 2 tablets and 1 phone, 15 Lakhs, AICTE MODROBS
- PC Simulation Lab comprising 15 computers to run MATLAB/Scilab software.
- CNC Trainer Lab with CNC Lathe machine and Milling Machine



3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

No research scholars from outside the institute have used the facilities available at MIET till date

3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

- Subscription to IEEE-Online providing access to 160+ IEEE online journals
- Back volumes of 60 print journals
- Password based access to ACM Digital Library
- Access to open-access literature through JGATE
- DELNET membership

3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

All research facilities mentioned in 3.3.1 are amenable to collaborative research. MIET faculty members undertake collaborative research within and outside the institute. The faculty members have collaborated with external faculty and have published around 20 research papers in international journals and conferences during the last one year.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

The major achievements of the faculty and students towards research activities are as under:

- **Patents:** Fifteen patents have been filed with the Indian Patents Office by the faculty members since 2010. Details are as under:

S.No.	Patent Title	Inventor(s)	Filing Date
1	System & method for Secure Issuing of Docs[TEMP/E-1/11386/2017-DEL]	Dr. Ankur Gupta, Mr. Rishi	March -2017



		Gupta Mr. Purnendu Prabhat Mr. Sahil Sawhney	
2	A system and method of automated authenticity checking of information shared on mobile message sharing applications[201711003132]	Dr. Ankur Gupta, Mr. Rishi Gupta Mr. Purnendu Prabhat Mr. Sahil Sawhney	January 2017
3	A method of attendance management [201611012431]	Dr. Ankur Gupta	April-2016
4	A method of automated attendance management using mobile devices on custom wireless networks [201611006177]	Dr. Ankur Gupta, Ashish Deep Singh, Nausheen Saraf	February- 2016
5	A method of controlled sharing of personal digital content on mobile devices [1454/del/2015]	Dr. Ankur Gupta, Ms. Taranmeet Kour*, Mr. Rohit Raina*, Sumbal Jahan, Falak Mushtaq, Rajat Sharma, Rishav Gupta	May-2015
6	A method of application profiling for detecting dos/ddos attack launching applications in cloud computing [286/del/2015]	Dr. Ankur Gupta, Mr. Lohit Kapoor*	February- 2015
7	A low-cost method for creating silent zones for mobile devices in public areas [2701/del/2014]	Dr. Ankur Gupta	September- 2014
8	The global academic cloud: a system and method for secure student lifecycle management and migration [2703/del/2014]	Dr. Ankur Gupta	September- 2014
9	Method of regression analysis for software maintenance through out its lifecycle [3359/del/2013]	Dr. Ankur Gupta	November- 2013



10	A cloud-based knowledge management system and method for creating pervasive learning environment [989/del/2013]	Dr. Ankur Gupta	April-2013
11	A novel method and system of capacitor voltage balancing for three-phase neutral point clamped bi-directional rectifiers [1494/del/2013]	Dr. Nitin Langer	April-2013
12	System for student performance assessment and benchmarking [2607/del/2012]	Dr. Ankur Gupta	August-2012
13	Cloud based quality management tool for educational institutions [del/3678/2011]	Dr. Ankur Gupta, Mr. Rakesh Mohan Datt	December-2011
14	System and method for migrating licensed applications with data and making them user ready on target platform [2967/del/2010]	Dr. Ankur Gupta, Mr. Shafqat Shamim	December-2010
15	A system and method for reducing the mean-time-to-detect for network faults [2966/del/2010]	Dr. Ankur Gupta, Mr. Shafqat Shamim	December-2010

Table 3.5 Details of Patents Filed

- **Research Papers:** Over 450 research papers have been written and presented in various international/national conferences/seminars. Details of these are presented in subsequent questions
- **Research Activities/Workshops:** Several research workshops, innovation workshops, IPR workshops have been organized at MIET for the benefit of the faculty and for external participants as well
- **Innovative Projects:** One IT product (Performance Insight 360), one portal (jkedu.in) and 3 mobile applications (MIET Mobile App, Silent Zone and SmartSMS) have been developed in-house
- **Center for Research, Innovation and Entrepreneurship:** CRIE has been setup at MIET under funding from MSME, Govt. of India to promote applied research, significant technology innovation and incubation of up to ten companies from campus. The total outlay for the CRIE TBI is 66 Lakhs. An advertisement inviting potential entrepreneurs from the region has been issued under the aegis of the



TBI.

- **International Journal of Next-Generation Computing:** IJNGC is being published by the institute jointly with UMKC, USA. Prof. Ankur Gupta, Director, MIET is the founder and managing editor of the journal which is now indexed in Thomson Reuters ESCI indexing database besides INSPEC, EBSCOHost and Google Scholar.
- **Funding:** Grants worth Rs. 68 lakhs have been received from various agencies during this period to setup specialized facilities for research.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If ‘yes’, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

The institute publishes the International Journal of Next-Generation Computing (<http://ijngc.perpetualinnovation.net>) which is now indexed in Thomson Reuters ESCI indexing database besides INSPEC, EBSCOHost and Google Scholar. The journal is published in both print and online forms in three issues per year.

It has been in publication since 2010. The editorial board composition is provided below:

***Editor-in-Chief:**

Dr. Vijay Kumar, University of Missouri-Kansas,
Kansas City, Missouri, USA.

***Managing Editor & Founder:**

Dr. Ankur Gupta, Model Institute of Engineering and Technology, India

***Advisory Board:**

- Dr. Sitharam Iyengar, Louisiana State University, USA; Dr. Sushil Jajodia George Mason University, USA;
- Dr. Sartaj Sahni, University of Florida, USA; Dr. Mahadev Satyanarayanan Carnegie Mellon University, USA;
- Dr. Masaru Kitsuregawa, University of Tokyo, Japan; Dr. Vijay P. Bhatkar Founder Director, C-DAC, India;
- Dr. M. Tamer Özsu, University of Waterloo, Canada.



- Dr. Vijay P Bhatkar, ex-Director, C-DAC, India

*** Editorial Board:**

- Dr. Gagan Agarwal, Ohio State University, USA
- Dr. Farhad Arbab, Leiden University, The Netherlands
- Dr. Bharat Bhargava, Purdue University, USA
- Dr. Athman Bouguettaya, CSIRO, Sydney, Australia
- Dr. Shu-Ching Chen, Florida International University, USA
- Dr. Domenico Talia, University of Calabria, Italy
- Dr. Stefan Fischer, University of Lubeck, Germany
- Dr. Ching-Hsien (Robert) Hsu, Chung Hua University, Taiwan
- Dr. Ling Liu, Georgia Institute of Technology, USA
- Dr. Sanjay Madria, Missouri University of Science and Technology, USA
- Dr. Sham Navathe, Georgia Institute of Technology, USA
- Dr. Evi Pitoura, University of Ioannina, Greece
- Dr. Peter Scheuermann, Northwestern University, USA
- Dr. Mukesh Singhal, University of Kentucky, USA
- Dr. Ouri Wolfson, University of Illinois, USA; Dr. Chao-Tung Yang, Tunghai University, Taiwan
- Dr. Arkady Zaslavsky, Lulea University of Technology, Sweden
- Dr. Sherali Zeadally, University of the District of Columbia, USA
- Dr. Leszek T. Lillien, Western Michigan University, USA
- Dr. Lalit K. Awasthi, National Institute of Technology, Hamirpur, India
- Dr. Anirban Mondal, Xerox Corporation, India
- Dr. K.C Li, Providence University, Taiwan
- Dr. Indrakshi Ray, Colorado State University, Fort Collins, USA
- Dr. David C. Rine, George Mason University
- Prof. Roberto Baldoni, Sapienza University, Rome
- Dr. Chakravarthy Sharma, University of Texas, Arlington, USA



- Dr. SenthilKumar S., Vellore Institute of Technology, India
- Dr. Panos Chrysanthis, University of Pittsburgh, USA
- Dr. Prasad M. Deshpande, IBM Research, India
- Dr. Valentina E. Balas, UAV Arad, Romania
- Dr. Mukesh Mohania, IBM Research, India
- Dr. Aditya Bagchi, Indian Statistical Institute, India
- Kyoung-Don Kang, State University of New York at Binghamton

3.4.3 Give details of publications by the faculty and students:

*** Publication per faculty**

MIET faculty has published an average of 4.5 research papers per faculty member.

*** Number of papers published by faculty and students in peer reviewed journals (national / international)**

168 (International Journals: 149, National Journals: 19)

*** Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**

69 (Web of Science: 38, Scopus: 28, EBSCO host: 3)

*** Monographs**

0

*** Chapter in Books**

12

*** Books Edited**

2 (Conference Proceedings)

*** Books with ISBN/ISSN numbers with details of publishers**

NA



*** Citation Index**

1566 (Cumulative Citations of MIET Faculty)

*** SNIP**

NA

*** SJR**

NA

*** Impact factor**

Impact factor of faculty publications range from 0.1 to 3.5 in different journals.

*** h-index**

Institute Cumulative h-index: 84

Individual Maximum h-index:10

Individual Maximum i-10 index: 10

3.4.4 Provide details (if any) of research awards received by the faculty

- Prof. Ankur Gupta received AICTE Career Award for Young Teachers from 2009-2012 awarded to promising researchers under the age of 35 on nationally competitive basis
- Prof. Ankur Gupta received IBM Faculty Mentor Award
- Prof. Ankur Gupta received EMC Game Changer Award
- Prof. Ankur Gupta and Mr. Sahil Sawhney received “Startup Board” award and finished in top 10 in the 8th India Innovation Initiative organized by AICTE, DST and CII

*** incentives given to faculty for receiving state, national and international recognitions for research contributions.**

The faculty at MIET is provided financial incentives for publishing research papers, filing patents and undertaking projects as per the Research Promotion Scheme as follows:



S.No	Category	Financial Incentive
Research Publications		
1.	International Journals – Grade A, Indexed in SCI/SCIE/SSCI (Thomson Reuters) or Scopus with a valid impact factor	4000/-
2.	International Journals – Grade B – Indexed in Scopus without impact factor, ESCI (Thomson Reuters)	3000/-
3.	International Journals – Grade C - Any other peer-reviewed journal pre-approved by the RPP Committee	2500/-
4.	National Journals – Only pre-approved National Journals shall be considered for the award.	1500/-
5.	International Conferences/Book Chapters – Grade A – determined by the Research Committee on basis of society sponsoring the conference (IEEE, ACM etc.), organizers, publishing house printing the proceedings (IEEE, ACM, Springer etc.) etc.	2500/-
6.	International Conferences – Grade B – determined/approved by the Research Committee	1500/-
7.	National Conferences	No Incentive
Intellectual Property		
8.	Patent: Filing	2500/-
9.	Patent: Granted	5000/-
Miscellaneous		
10.	Consultancy Assignments	20% of the consultancy amount
11.	Guiding PhD Student as a co-guide	Rs. 3000/-
12.	Acceptance of Research Project for External Funding	Rs. 3000/-
13.	Book Publication (International Publisher)	Rs. 3000/-
14.	Book Publication (National Publisher)	Rs. 2000/-

Table 3.6: Details of Incentives under Research Promotion Scheme



3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

- The institute had established the Industry-Institute Partnership Cell (IIPC) under funding from AICTE. This led to the establishment of linkages with four of the top 10 IT companies in the world, namely: IBM, EMC, Microsoft and Cisco.
- The institute is a member of the Confederation of Indian Industries (CII), J&K Chapter which allows the institute to interface with a diverse set of small and medium industries in J&K.
- The institute has signed a MoU with Aircel which is a leading Telecom Service Provider in the state for providing 3G services to students besides offering student internships, industrial trainings, invited lectures and mentoring programmes.
- The institute has signed an MoU with Reliance Jio for setting up fiber-optic based 4G network in campus besides setting up a Telecom Lab.
- MIET has signed an MoU with HERE maps for providing internships and projects to students on geo-mapping.
- The institute has reached an understanding with Infineon Technologies, Bengaluru for undertaking real-world projects tailored to a J&K context in electronics and communication.
- The institute has invited industry-experts to serve as members on the Advisory Boards of different departments to obtain inputs to enhance overall quality and industry-relevance.
- The leadership team is actively involved in interfacing with industry experts and exploring possible collaborative opportunities.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

Consultancy remains a non-starter in the state of J&K which does not have a vibrant industry ecosystem. Most of the industries operating in J&K are small scale in nature do not have significant consultancy needs. The institution on its part has reached out and provided consultancy on no-charge basis to a few organizations listed below:

- University of Jammu, Colleges Development Council. Consultancy and Execution of Web-portal for managing over 200 affiliated colleges.



- MIER College of Education (Autonomous). Provided consultancy to the college in adoption of quality analytics framework and deployment/training of PI 360 framework developed by MIET.
- Tripsmart consultants, Jammu on setting up a cloud-based ticketing and CRM solution for their customers.

The institution has setup a Center for Consultancy Services (CCS) which intends to offers consultancy in diverse domains on developing software on SMAC (Social, Mobile, Analytics and Cloud) technologies, leadership development, strategic management and IPS/Patenting among others.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The institute policy provides for a revenue sharing model with the faculty members offering 20% share of the consultancy amount generated.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

S.No	Financial Year	Project Title	Sponsoring Financial Agency	Sponsor Amount
1	2015-16	Earthmat design for 2X3.5 MVA electric substation for power supply arrangements of T-80 tunnel at Banihal Of duration 5 yrs	R A Consulting Engineers	NA
2	2014-15	Online College Management System	University of Jammu	NA
3	2014-15	Electrical Consulting	MIER College of Education	NA
4	2014-15	Design and Implementation of Quality Management Framework	MIER College of Education	NA
5	2013-14	Lighting design for Uflex Holography	B.M Energy Systems & Consultants	NA
6	2013-14	Verification & validation of Road –	Superintendent Engineer	NA



		lighting of 30km long Narbal – Tangmarg road	M&RE Circle-II,PDD-Srinagar	
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Table 3.7: Details of Consultancy Services

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

20% of the revenue generated is earmarked for the staff. Till date the institution has not generated any consultancy income due to lack of consultancy opportunities in the state of J&K.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighbourhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The college has a separate NSS unit, called “Prayaas” with a sanctioned strength of 100 students and a few faculty members. This unit ensures the participation of students as well as faculty in the extension activities. The NSS unit is responsible for the following:

- To introduce various activities, both on campus and off-campus for welfare of different strata of society.
- Conducting orientation programmes, seminars and awareness programmes on various social, community, health or environment issues within the campus.
- Organizing and participating in different community focused activities like drug abuse, HIV AIDS awareness, Anti-Tobacco campaigns, Blood donation camps, literacy promotion, human rights, consumer rights, atrocities on women and drive against terrorism etc. on nationally/internationally recognized days.
- Organize “Shram Daan” programmes on campus and outside for conducting cleanliness drives under “Swacch Bharat” programme
- Mobilize resources and donate to NGOs, orphanages and old-age homes from time to time.
- Adopt a village programme has been initiated to undertake development activities in nearby villages for social good.



3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

The institution tracks volunteer activities of the students through its performance analytics framework, PI-360. Thus, students see volunteer work as a key performance criterion in their profiles. Further, students are recognized through the use of online badges and gamification techniques in the software for extra-curricular activities including social and volunteer work.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

- The institute makes heavy use of multiple social media platforms such as LinkedIn, Facebook, Twitter and Instagram where it has a combined connected audience of over 10,000 people including current students, alumni, faculty and staff, their family members and people from the society besides other interested parties. All major achievements of the institution, faculty and students are given wide coverage on all social media platforms for wide reach, creating brand awareness and improving perception levels. Following, well-researched and effective social media strategies the institution has been able to effectively use social media to build a strong brand image. Moreover, the institution routinely uses social media campaigns to reach out to targeted audience for maximizing returns.
- The institution regularly invites key functionaries from regulatory bodies such as the University of Jammu, State Govt., Board of Professional Entrance Examinations etc. to the institution apprising them of the key achievements and initiatives, helping create a positive impression about MIET.
- The institution cultivates a healthy relationship with the press and media including social media news channels to help publish important institutional activities for a wide reach.
- The institute regularly undertakes internal stakeholder connect programs such as the “Town Hall” meet and “Tea with the Director” series so that students and faculty are correctly apprised of institutional achievements and can serve as brand ambassadors of the institute.
- The institute has started participating in national level awards and different competitions. Three National-level awards in 2016 have lent the institute external credibility and boosted its perception in the eyes



of the stakeholders significantly.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The institution does not have a fixed budget for extension and outreach programmes. However, some of the major programmes are listed below:

S.No	Name of Activity	Year
1	Blood Donation Camp	2017
2	Adoption of “Amb Village” and donation of 2 computers to the Govt. Secondary school, along with “Swachh Village” programme and enrollment of 100 villagers under Prime Ministers Insurance scheme	2016
3	Save the Trees	2016
4	Blood Donation Camp	2016
5	Signature Campaign by Help Age India for marking International Day of Older Persons, the theme was HUG- Unite Generations for this year	2015
6	Blood Donation Camp	2015
7	Lecture on Road Safety	2014
8	National Unity Day on birth of Sardar Patel	2014
9	Swacch Bharat Abhiyaan	2014
10	Relief material for flood victims & Donation	2014
11	Visit to slum	2014
12	World Red Cross Day	2014
13	Voters Awareness Program	2014

Table 3.8 Details of major NSS Activities

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

The college has a NSS unit called “Prayaas” with 10 faculty members and 100 student volunteers. The NSS volunteers in the institution actively propagate the “Prayaas” brand, enrolling new volunteers every year. This process has become self-sustaining under an overall faculty in-charge. The NSS activities are given high priority and prominence within the institution.



Two NSS volunteers from MIET also won “Red Cross” awards for their dedicated services. A dedicated web page on the institute website highlights all NSS activities. Further, all completed activities are shared on social media platforms for ensuring wide reach.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

None as of now. It is planned to expand the scope of the “Prayaas” volunteer group to explore new areas. In this context, an innovative “Friends of J&K” web portal is planned in which people from all over the world will be able to connect with authenticated NGOs and individual beneficiaries to donate to a cause. Another envisaged project is the revitalization of “Raghunath Bazaar” an old heritage market of Jammu. Towards this a survey shall be undertaken and strategies presented to the State Govt. and market association. This will help expand the role of “Prayaas” and the institute to help create a wider impact on the local society.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students’ academic learning experience and specify the values and skills inculcated.

The experience at MIET in organizing NSS activities has demonstrated that the following values are inculcated among the students:

- Understanding of issues and needs of the society at large
- Deep appreciation of the challenges facing the under-privileged sections of the society
- Motivation to give back to the society.
- Appreciate the power of collective effort and its potential impact on orphans, destitute, old, infirm and the poor sections of the society.
- Develop emotional intelligence and sensitivity which are much needed traits for success in career and leading fulfilling lives.

Further, the specific skills that students develop during their continuous participation in such programmes are:

- Leadership skills
- Communication and coordination skills
- Logistics management and organization skills



- General management skills
- People skills
- Financial management skills
- Marketing and negotiation skills

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

- The institution has got enrolled under Pradhan Mantri Kaushal Vikas Yojna in 2016 and is currently training 73 students from Jammu and Kashmir in three different trades of customer care executive, customer service representative and tele-caller for the automotive and electronics sector.
- MIET has established linkage with the PHD Chamber of Commerce and Industry and held programs on “Women Entrepreneurship” and “Startup Masterclass” in the last year.
- “Adopt a Village” program has been initiated under which “Amb” village has been adopted in association with BDO Office and SSP Police along with Airtel Money.
- MIET is an institutional member of the Confederation of Indian Industries (CII) under which a range of events and activities are organized and students participate in diverse programs under the ambit of CII.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- PHD Chamber of Commerce and Industries
- Airtel Money for moving people to digital payment platforms
- MIER College of Education for joint activities
- Block Development Officer for Adopt-a-Village programme
- MHRD, AICTE Govt. of India for PMKVY programme
- Confederation of Indian Industries (CII)



3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

- Bushra Hassan and Deepika Pandita, Red Cross Women Achievers Award, 2014

Contributions

- Adopted village “Amb” in rural Jammu.
- Volunteer work and donation to CM Relief Fund during J&K floods
- Creation of “Friends of J&K” portal for connecting NRIs/well-wishers from J&K to needy beneficiaries or to give back to J&K in other ways.
- Generated awareness and goodwill through several outreach and extension activities over the years.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The institute has initiated focused linkages with well-defined collaborative outcomes. Some of the specific examples are listed below:

1. Under MoU with University of Missouri-Kansas City, USA the following initiatives have been undertaken:
 - Joint publication of International Journal of Next-Generation Computing (IJNGC)
 - Formulation of Special Admission Policy for MIET students involving GRE-waiver and guaranteed 50% tuition fee waiver.
 - Conduct of faculty research skills development workshops for MIET faculty by UMKC experts.
 - Work on joint papers with UMKC faculty are in progress.
2. It has been decided to establish a linkage with Infineon Technologies, Bengaluru to undertake real-world projects solving problems in the



context of J&K in the domain of electronics and communication.

3. The MoU with Aurel Vlaicu University of Arad, Romania is set to be operationalized shortly and discussions with Prof. Valentina E. Balas are in progress.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

Details of MoUs

Academia

1. University of Missouri-Kansas City (UMKC), USA since 2013 on MS opportunities for students and joint research
2. Aurel Vlaicu University of Arad, Romania since 2015 for joint research and exchange programmes

Industry

3. MoU with Cisco to setup Cisco Networking Academy since 2006.
4. MoU with EMC Corp. for offering courses on Storage Technologies since 2007. Upgraded to EMC Center of Excellence offering courses in Storage, Cloud Computing and Big Data since 2016.
5. MoU with IBM to setup IBM Center of Excellence since 2009.
6. Linkage with Microsoft for Microsoft Academic Alliance since 2012.
7. MoU with Aircel, since 2015.
8. MoU with HERE Maps since 2015
9. MoU with Reliance Jio since 2016
10. Linkage with Infineon Technologies, Bengaluru since 2017.



3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories/library/new technology /placement services etc.

- IBM Software Center of Excellence Lab providing access to IBM software, training and certification.
- EMC Center of Excellence providing access to learning material, online resources and simulators on storage technologies, cloud computing and BIG data.
- Cisco Networking Academy providing hands-on access to Cisco Routers and Switches and software for performing advanced experiments in computer networks.
- Microsoft Academic Alliance partnership providing free access to hundreds of software packages from Microsoft including operating systems and software development platforms.
- Google for Education tie-up which provides access to official institute email ids for all with a 10 TB free storage along with each account and access to over 50 Google applications such as Classroom, Hangouts, Drive and Docs for e-learning and collaboration.

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Several eminent researchers and participants have visited MIET or interacted over video-conferencing and contributed in several events and activities at MIET including conferences, faculty development programmes, distinguished lectures etc.

- Prof. Vijay Kumar, Curator's Professor, CSE, UMKC, USA
- Prof. Kevin Z. Truman, Vice Provost, UMKC, USA
- Prof. Minda Mason, UMKC, USA (Bloch School of Management)
- Prof. Valentina E. Balas, UAV, Romania
- Prof. Mario Balas, UAV, Romania
- Prof. Enrico Staderini, North-Western University of Switzerland
- Prof. I.K Bhat, Director NIT, Jaipur



- Prof. Lalit K. Awasthi, Director, NIT Jalandhar
- Prof. Javed L. Khan, Kent State University, USA
- Prof. Amitabh Matoo, Former Vice Chancellor, University of Jammu
- Prof. R.D Sharma, Vice Chancellor, University of Jammu
- Prof. Pankaj Jalote, Former Professor IIT Kanpur, Director IIIT-Delhi
- Prof. Dheeraj Sanghi, Former Professor IIT Kanpur
- Prof. A.S Brar, Vice Chancellor, GNDU, Amritsar
- Mr. Gautam Mahajan, President Inter-Link Services and Founding President of Indo-US Chamber of Commerce
- Prof. P.C Pande, IIT Mumbai
- Prof. Debopam Acharya, Shiv Nadar University

MIET organized the following conferences and seminars in the recent past:

- National Seminar on Performance Assessment and Benchmarking of Higher Education Institutions, 21-23rd October, 2016 (check dates)
- 4th CSI J&K State Student Convention, October, 2016
- 3rd CSI J&K State Student Convention, March, 2016
- 2nd CSI J&K State Student Convention, 2015
- 1st CSI J&K State Student Convention, 2014

Further, MIET has organized three National Conferences on Next-Generation Computing and Information Systems (NGICS) in 2007, 2009 and 2010. It is proposed to organize an International Conference in 2017 for which proposals for funding have been forwarded to various agencies.

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated curriculum development, research etc.?

Details of MoUs

Academia

- University of Missouri-Kansas City (UMKC), USA since 2013 on MS opportunities for students and joint research



- Aurel Vlaicu University of Arad, Romania since 2015 for joint research and exchange programmes

Industry

- MoU with Cisco to setup Cisco Networking Academy since 2006
- MoU with EMC Corp. for offering courses on Storage Technologies since 2007. Upgraded to EMC Center of Excellence offering courses in Storage, Cloud Computing and Big Data, since 2016
- MoU with IBM to setup IBM Center of Excellence since 2009
- Linkage with Microsoft for Microsoft Academic Alliance since 2011
- MoU with Aircel, since 2015
- MoU with HERE Maps, since 2015
- MoU with Reliance, Jio since 2016

Benefits of MoUs/Linkages

a) Curriculum development

The introduction of industry-relevant courses under IBM Center of Excellence, CISCO Networking Academy and the EMC Academy to bolster the curriculum are a direct result of valuable collaborations with the industry.

b) Internship/On-job training

The students of various departments of the college go for internship (Industrial Training) in various industries/organizations to get hands on experience by working in realistic job situations. The MBA and MCA departments have cultivated contacts with the industry, banks, corporate etc. to ensure that their students get great internship opportunities. In addition to this, the collaboration with IBM enabled most of the students of CSE, IT and MCA departments to undertake projects offered by IBM under their pan-India project competition TGMC (The Great Mind Challenge). Infact, the institute has twice finished in the Top 50 colleges in the country and once in the Top 30 colleges in the IBM TGMC competition. These projects are treated as the major projects of the students as part of their curriculum and expose the students to developing projects for the real-world.

The Collaborations with IBM, Cisco and EMC require that the faculty of MIET get trained on the technologies on offer to better guide the students. As a result over 20 faculty members have been trained on technologies from IBM, Cisco and EMC, providing great opportunities for on-the-job training for the faculty members.



c) Faculty Development Programs

The development of the faculty has indeed received great boost due to linkages with Industry giants IBM, HP, Cisco, EMC and Microsoft. Further, interaction with senior Professors and world-class researchers from UMKC, USA and UAV Arad, Romania have helped improve the research skills and capabilities of the faculty members. Three research workshops have been conducted by Prof. Vijay Kumar from UMKC, USA for MIET faculty over the last 3 years. Further, Skype sessions with Prof. Valentina E. Balas from UAV, Arad Romania and Prof. Enrico Staderini, Western University of Switzerland have been organized to explore new research areas.

d) Research

The research by MIET faculty has become better both quantitatively and qualitatively with over 450 research papers published out of which 168 papers are in international journals and book chapters while 91 papers are in international conferences. Further, 15 patents have been filed by the faculty at Indian Patents Office, 2 IT products incubated and 3 mobile applications developed. This has been made possible due to high-quality inputs received from quality collaborations with the industry and academia.

MIET publishes the International Journal of Next-Generation Computing (IJNGC) jointly with UMKC, USA since 2010. The journal is indexed in Thomson Reuters, Web of Science under Emerging Sources Citation Index (ESCI).

e) Consultancy

Consultancy is in its nascent stage at the institute primarily due to lack of industries in J&K.

f) Publications

MIET publishes the International Journal of Next-Generation Computing (IJNGC) jointly with UMKC, USA since 2010. The journal is indexed in Thomson Reuters, Web of Science under Emerging Sources Citation Index (ESCI).

g) Student Placements

The Industry linkages developed by MIET have significantly helped boost student placements. By imparting training on leading technologies, the institute is improving the industry-readiness of its students. Since inception over 800 students have been placed in various corporate houses, companies, private businesses, Government sector and Armed Forces.

h) Twinning programmes

The institute does not have the mandate or the autonomy to initiate twinning programmes. However, it has signed an MoU with the University of Missouri-



Kansas City, USA to allow its students to pursue MS programs at UMKC under a GRE-waiver clause with guaranteed 50% tuition fee waiver.

i) Introduction of new courses

Although the college does not have the autonomy to initiate curriculum reforms, it has not been a limiting factor in introducing industry-oriented value-added programs for the students. Details of such programs are provided below:

- IBM RAD
- IBM DB2
- IBM Silverlight
- EMC Storage Technology Foundations
- EMC Cloud Computing
- EMC Big Data Analytics
- Cisco Certified Networking Associate
- Programming 101 – Systems Programming with C on Linux

j) Student exchange

Student exchange programs have not yet been initiated by the college.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.

MIET has placed emphasis on establishing value-based linkages which help the institute develop both capacity and capability. Due to the lack of industry in J&K, the institute placed special focus on establishing industrial linkages over the years starting from 2006 (Cisco), 2007 (EMC), 2009 (IBM), 2011 (Microsoft), 2014 (Aircel), 2015 (Here Maps) and 2016 (Reliance Jio). These linkages helped MIET provide its students access to cutting-edge technologies, training and courses which helped improve the industry-readiness of the students.

Subsequently, international academic linkages were established with University of Missouri-Kansas City, USA (2013) and Aurel Vlaicu University of Arad, Romania (2016) to help improve quality of research through interactions with leading professors at these universities. Also, potential international career paths for MIET students were established through these linkages.



MIET continues to explore new linkages which help enhance institutional impact and help it raise its quality and standards in a phased manner. The focus however is on the quality of the linkages and their impact rather than on the number of linkages.



CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The institution has a strategic plan which identifies “customer experience” as a core-value. Infrastructure development and enhancement is identified as a specific objective to drive customer experience with a specific plan created for it. Over the last 5 years, since the last NAAC accreditation, the institution has made the following additions/enhancements to infrastructure:

S.No	Infrastructure Addition	Cost (in lakhs)
1.	Construction of Academic Block-D measuring over 65,000 sq.ft with modern amenities to meet future expansion needs	Rs. 9,54,62,285
2.	250 seater auditorium	Rs. 41,79,000
3.	Laboratories	Rs. 71,00,000
4.	Books	Rs. 28,66,818
5.	Infrastructure Upgrade/Maintenance	Rs.87,63,400
6.	Campus Development	Rs. 35,79,912
	Total	Rs. 12,19,51,415

Table 4.1 Infrastructure Details

4.1.2 Detail the facilities available for

- a) **Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.**
- b) **Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc**

Details of various facilities for curricular and co-curricular activities are tabulated below:



S.No.	Facilities-Curricular	Details of Facility
1	Campus Area	22,000 sq.m
2	Class rooms	50
3	Computer Laboratories	15
4	Laboratories other than Computer Labs	17
4	Mechanical Workshop	01
5	Drawing Hall	01
6	Seminar/General Purpose Halls	10
7	Server Room	1
8	Examination Halls	4
10	Library	1
11	Canteens	2
12	Reprography Section	1
13	Dispensary	1
14	Security Rooms	2

Table 4.2: Details of Facilities

Facilities for extra-curricular activities are as given at Table 4.3 -

S.No.	Facility	Details
1.	Indoor Sports Hall cum common room	1
2.	Sports Ground	150m x 150m
3.	Sh. H.L. Gupta Auditorium	State of the art auditorium with seating capacity of 252 persons
4.	Urban forest	10 acres for environmental / NSS activities
5.	Gardens	4 in number for general purpose activities
6.	Multipurpose Halls for various indoor cultural activities programs	2

Table 4.3: Details of Facilities for Extra-Curricular Activites

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

Master Plan of the institute is enclosed at Annexure L. However, infrastructure in the institution is being augmented as per the academic growth and requirement. In the last four years, new buildings have been constructed to house the different departments and various facilities as per AICTE/university norms in accordance with enhanced student intake. Details of facilities created and amount spent in last five years are presented below:

S. No	Main Asset	Sub Assets	Cost (in Lakhs)
1.	Academic Block 'D'	Departments of CSE, ECE, Server Room, 252-seater Auditorium, three multipurpose halls, Common Room for girls	955.0
2.	Computer Laboratories	70 computers and 5 printers	27.0
3	Laboratories for Civil Engineering Dept.	a. Surveying Lab b. Building Drawing c. Engg. Geology d. Fluid Mechanics e. Theory of Structures	26.6
4	Mobile Computing Lab	20 computers + mobile devices	15.00
5	Project/ Net Lab (IT Dept)	20 Computers	7.5
6	Simulation Lab (EE Dept)	15 computers	6.1
7	Servers	8 Nos.	23.0
8	Work Stations for faculty and administrative staff	56 in all departments and admin office	13.2



9	200 lines EPABX Intercom exchange	Including telephone sets	2.17
10	Student buses	One 42 seater bus purchased and six buses hired	11.0
11	125 KVA DG Gen set	Including its canopy	6.15
		Total	1092.72

Table 4.4: Facilities created at the institution

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

Currently there is no student with any physical disability on the rolls of the institution. However, ramps have been constructed at suitable places to ensure ease of access to the ground floors of all buildings. Further, provision has been kept for lifts and these shall be commissioned in a phase-wise manner. In the newly constructed Academic Block-D bathrooms for people with special needs have been constructed on the ground floor. Bathrooms on the ground floors of all buildings are being made disabled-friendly in a phased manner.

4.1.5 Give details on the residential facility and various provisions available within them:

A girls' hostel is available at B.C Road in the heart of the city with a capacity to accommodate 60 girls. Currently 40 girls are residing in the hostel. Hostel has the following facilities: -

- Common room
- Air-conditioned rooms
- Safe drinking water
- 24-hr power back up for electricity
- 24 hours security with CCTV cameras and guards
- Wi-Fi internet facilities

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?



A dispensary well equipped with all first aid medicines is available in the campus. A well-trained pharmacist is also available in the dispensary during the working hours. Within one kilometer of the campus, there is a 100-bedded Govt. hospital where services of qualified doctors are available on 24-hr basis.

Besides this, all the staff and the students are covered through group insurance policy up to an amount of Rs. 1 Lakh, with Rs. 40,000 for hospitalization expenses.

4.1.7 Give details of the common facilities available on the campus—spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Proper rooms and spaces are available on the campus for the following common facilities:

- Office of IQAC
- Training and Placement Cell
- Two multipurpose halls and three conference rooms to be used for activities like counseling, placement drives, meetings of various committees like Grievance Redressal Committee, Anti Ragging Committee, Sexual Harassment Committee, Sports Committee etc.
- Health center cum dispensary
- Two canteens with seating capacity of over 120 persons
- Common room for students and staff
- 5 water coolers and water filters in all the Academic Blocks and the Laboratory Block.
- 252-seater auditorium, 120 seater convention hall.
- Open spaces with seating areas throughout campus.
- Reprography section

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?



The Library has a Library Advisory Committee with the main role to advise and recommend the measures in strengthening the library section. Committee has eight members, seven of whom are Heads of Departments and the Sr. Librarian is the member secretary. The composition of the committee is as under:

- Brig. P.N.Sharma, HoD MBA - Member
- Prof. B. S. Komal, HoD AS&H - Member
- Mrs. Arti Kotru, HoD MCA - Member
- Mr. Salim Qureshi, HoD CSE - Member
- Mrs. Taru Mahajan, HoD ECE - Member
- Mr. Nitin Langer, HoD EE - Member
- Mr. Dhruv Kumar, HoD IT - Member
- Mrs. Meena Bhat – Sr. Librarian - Member Secretary

Since the Library caters to the needs of variety of clientele such as faculty, research scholars, post graduate and under graduate students, administrative and non-teaching staff, a wide range of subject fields are to be adequately represented in the book stock with a focus on quality. Besides this, for smooth functioning of the library and safe guarding the interest of all sections of the library users, formation of policies, rules & regulations and implementing the library policies in a judicious manner, guidance is given to the library by the committee.

Library Advisory Committee has been providing inputs for continuous improvement. Some of the main initiatives suggested and implemented are:

- Automation of Library: The library is completely automated with bar-coded books and resources.
- Quality: The library committee endeavors to order books from quality publishers and international authors.
- CCTV coverage: To improve security and monitoring, CCTV cameras have been fitted in the library.
- Requisition of Books: Requirement of books is taken from the departments annually and procured accordingly.
- Stock-verification: This is done annually.
- Library manual for users: A Library Manual was prepared in 2013 for the users indicating library resources and the same is updated annually. It includes library processes, procedures and details on



accessing the e-resources which the library subscribes to.

- Usage Reports: The library analyzes the following data:
 - Daily visitor graph separately for students and staff
 - Monthly book issue graph, dept wise, separately for students and staff
 - Daily consultation of books graph separately for students and staff
- Binding of damaged books: Covers/pages of books which get damaged due to continuous usage are repaired/bound once in two years.
- Avid Reader Award: has been instituted by the committee to promote library usage and encourage students and faculty.

4.2.2 Provide details of the following:

Details about the library are given at Table 4.5

Total area of the library (in Sq. Mts.)	600 Sq.mts
Total seating capacity	184
Working hours on all working days	8 hours daily. The library is open during vacations as well for 6.5 hours per day.

Table 4.5: Library details

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

Faculty and heads of the departments recommend the books and journals aligned with the curriculum, reference and research. Recommendations received are compiled and put up to the management for approval and sanction. Amount spent on new books and journals during the last four years. is Rs. 45,35,129, year-wise details of which are given below at Table 4.6



Type of Reading Material	2015-16		2014-15		2013-14		2012-13	
	Number	Cost (in Rs.)						
Text books	809	3,16,382	653	2,55,347	811	3,08,947	2298	6,84,628
Reference Books	471	1,84,161	278	1,08,420	239	90,820	226	67,122
Journals/Periodicals	60	2,34,873	59	1,12,494	62	1,03,326	60	1,00,000
e-resources	169	4,38,065	169	3,87,230	145	3,70,500	2484	7,72,814

Table 4.6 Details of the Library Resources

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

To provide maximum access to users of the library, ICT resources deployed are as under:

- OPAC (Online Public Access Catalogue) - User ID and password are made available to all the users for online access of e-resources.
- IEEE ASPP package has been subscribed enabling access to 169 IEEE Journals
- In-house/remote access to e-publications – IP based
- Library is fully automated through Total Library Software System based on bar-code technology
- Number of computers for public access - 5
- Numbers of printers for public access - 1



- Internet band width/ speed - 50 Mbps
- Participation in Resource sharing - DELNET Member
- Networks/consortia (like Inflibnet)

4.2.5 Provide details on the following items

Data about the library usage are as under:-

Average number of walk-ins	250 to 300 per day
Average number of books issued/returned	350 to 400 per day
Ratio of library books to students enrolled	10:1
Number of books added during last three years	5785
Average number of login to OPAC	20 to 25 per month
Average number of login to e-resources	20 to 30 per day
Average number of e-resources downloaded/printed	20 to 30 per day
Number of information literacy trainings organized as under: For fresh batch of students during induction programme For faculty member	12 05
Details of weeding out of print material: Weeding out is carried out once every two years	1389 Volumes

Table 4.7: Details of Library Usage

4.2.6 Give details of the specialized services provided by the library

Specialized services provided by the library are as under:

- Reference material in the form of books, journals, magazines, project reports, CDs and DVDs are available
- Co-located reprography services



- New additions are prominently displayed
- Facility of downloading documents from permitted websites is available
- Reading-list/bibliography compilation is part of the Library Management software
- In-house/remote access to e-resources - IP based
- User Orientation and Awareness programmes are conducted at the beginning of the session for all the students. For staff, periodic sessions are conducted.
- Five librarians provide help to the users in searching online databases and availing library services.
- The library is a member of DELNET and hence Inter library loan and document delivery services are available

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

- Orientation programmes for faculty and students to derive maximum benefit from library resources
- Help in searching research databases and journals
- Help in selecting reference books
- Day-to-day help to users
- Recognition and awards to frequent users

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

As there is no visually/physically challenged student or faculty in the college, there is currently no provision for the same.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

Feedback from the users is taken centrally by the IQAC and analyzed. Analysis is used to improve library services. Some of the services added based on the specific feedback from the users are as under:



- Readers tickets have been increased from 3 to 4
- Library has been set up under one roof. Earlier it was distributed across two buildings.
- CCTV cameras have been installed for monitoring and security
- New titles as per departmental requisitions have also been added
- Open-access has been introduced on experimental basis

Going forward the Library has invited proposals from various vendors for introducing RFID technology, modernization of infrastructure including adoption of eBooks and creation of a Digital library in phases.

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

Details of servers, desk top computers, licensed software and other software available in the campus are tabulated below:

Number of Servers and Computers with configuration	10 Servers and 566 Computers
Computer Student Ratio	1:2.66
Stand Alone Facility	103 computers for teaching and administrative staff
LAN Facility	Available with speed of 100 and 1000 Mbps
Wi-Fi Facility	Yes. Entire campus is Wi-Fi enabled. Reliance Jio 4G Wi-Fi facility is being introduced shortly.
Licensed Software	Following licensed software are available: 1. Microsoft Windows servers 2000, 2003 SBS, 2012 editions. 2. Microsoft Windows 10 Professional, 3. Windows 8 Server Edition 4. Microsoft office 2000, 2003,2010,2016 editions. 5. Suse Linux Enterprise 7.0 professional. 6. MSDN Academic Alliance MSDNAA (providing access to over 100 legal system and application



	software by Microsoft) 7. Microsoft Visual studio 2000,2003. 8. Oracle Standard Edition, 8i and 11g editions. 9. Rational Software Architect (RSA) 7.2
Number of Nodes/computers with Internet Facility	All
Any Other	Campus ERP, Learning Management System, Library Management, Cloud-based Attendance Management, Google for Education Suite, Official Emails with Free 10TB storage to each user (student+faculty), Quality Analytics Software – Performance Insight 360 (PI-360)

Table 4.8 Details of Computing/Software Facilities

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

Internet facility is available on all the computers connected to the college campus backbone (wired/wireless). To improve customer experience, the institute has upgraded the backbone to fiber-optic based at a cost of Rs. 2.5 Lakhs. Besides this, the faculty and students can use their own devices/laptops and connect to the College Wireless Network to use internet and other ICT facilities. Further, the institute has signed an MoU with Reliance Jio to provide high-speed 4G Wi-Fi network for use by faculty and students. This will greatly enhance user experience and facilitate easy access to online resources and digital content. Internet facility has been extended to all the departments, administrative office and library also.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

To keep the user experience at par with international standards, the IT infrastructure is augmented regularly. The institution has identified IT services as a key component of its strategic plan and hence a separate IT plan is created annually. Some of the recent IT initiatives undertaken are:

- To replace and upgrade the existing campus network backbone with fiber optic backbone for faster and seamless experience of IT enabled services and resources to students and faculty
- Enhancing E-learning and ICT related services using Google classroom and adoption of the Google for Education suite of software



providing access to hundreds of ICT applications.

- Facilitating and promoting electronic communication procedures for official communication among staff members, students and the management. All stakeholders have been provided official emails which additionally provide 10 TB of free storage per account. This is a highly beneficial value-added service to all students and faculty members.
- CCTV monitoring introduced and enhanced in a phased manner to cover all important areas
- Commissioning of cloud-based attendance management system with online leave management and payroll management for all employees.
- To consistently upgrade computer laboratories to enhance customer experience through procurement of high-quality equipment.
- To create a responsive IT team providing high-quality services and user-experience.

4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Adequate budgetary provision was made during the previous years for purchase, up gradation and maintenance of computers. The detail of expenditure for this purpose in the last five years is given below:

Year	New Procurement (In Rs.)	Up gradation of Systems (In Rs.)	Maintenance of Systems (In Rs.)
2012-13	Rs.20,77,008	Rs. 19500	Rs. 1,01,114
2013-14	Rs. 16,32,982	Nil	Rs. 1,42,056
2014-15	Rs. 42,63,647	Nil	Rs. 1,32,300
2015-16	Rs. 6,86,202	Rs. 1,32,300	Rs. 88750
2016-17	Rs. 19,47,286	Nil	Rs. 1,14,113

Table 4.9: Details of Annual IT Budget

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning



materials by its staff and students?

The Institution has provided all facilities in terms of computers, server, Wi-Fi access points, projectors, internet with 52 MBPS bandwidth and the required software. Extensive use of Google Classroom, Social Media as tools for active learning have been institutionalized. World-class content through MooC's, NPTEL, VLABs, Khan Academy, YouTube is readily available and integrated in the teaching-learning process. Therefore, the focus of the institution is in effectively utilizing the high-quality resources already available, rather than focusing on creating its own content.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

At the beginning of each semester the students are given course handouts for individual courses with identified digital content in the form of MooC's, NPTEL lectures and additional web links to useful resources. They are encouraged to access these resources to avail additional information and promote better understanding of concepts. Follow-up discussions in the classroom help reinforce the learnings. Additional content and updates are shared by the faculty members through Google Classroom. All these activities are done under the supervision of the teacher in charge and aimed at blending technology with the traditional means of learning.

Further, the institute has started experimenting with the “Flipped Classroom” pedagogical model, which places the student at the center of learning process. Students go through study material prior to the class and the teacher leads the collaborative learning process through a problem-solving exercise. It is planned to orient the faculty to make greater use of the flipped classroom model and integrate it into the teaching-learning process.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

The institution has got 4 internet connections, each of 512 Kbps speed, from the National Knowledge Network directly from BSNL. These are currently being used as simple internet connections because of the low bandwidth. These have been used for conducting online classes and accessing information through internet. College has a plan to use it for advanced research collaborations, linking own library and laboratories with the national resources



once higher bandwidth is made available. Currently, the institute is largely outside the ambit and planned activities under NKN as the program is not fully rolled out for private institutions.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

The college identifies the need for annual maintenance of physical infrastructure and the estimates correlated with previous year's expenditure to arrive at the budget:

- Based on the need assessment for proper maintenance of equipment, furniture, laboratories and class rooms, budget provisions are optimally made. The requirements given by the departments, offices and engineering sections are considered on priority while making allocation.
- For maintenance of computers and major equipment's, 'Annual Rate Contract System' (ARCS) is followed and accordingly budget allocation is made.
- To ensure optimal utilization, the budget allocations are initially made after careful evaluation of the utilization levels of the previous years. To the actual amount spent, inflation and buffer are added and the allocation levels for the next year are formulated. This results in the allocation closely mirroring the actual amount spent leading to optimal utilization.
- The budget allocation for the maintenance and upkeep of various facilities during the last four years is tabulated below

S.No.	Facility	Budget Allotted during the Financial Year			
		2013-14	2014-15	2015-16	2016-17
1.	Land/Development	10,000,00	2,000,00	5,000,00	10,000,00
2.	Building	1,50,000,00	2,50,000,00	1,50,000,00	1,00,000,00
3.	Furniture	2,500,00	2,000,00	10,000,00	12,000,00
4.	Equipment	12,000,00	35,000,00	10,000,00	60,000,00
5.	Computers	15,000,00	17,000,00	8,000,00	20,000,00



6.	Vehicles	15,000,00	70,000,00	15,000,00	15,000,00
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Table 4.10 Budget Allocation Details

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

Dedicated maintenance and support team comprising of engineers, supervisors, electricians, mason, carpenter and painter have been employed for the maintenance and repair of infrastructural facilities and equipment. Outsourcing has been resorted to for housekeeping, sanitation and security services.

The Maintenance, Housekeeping and Hospitality committee comprising faculty members, administrative officers and campus engineer ensure regular monitoring of maintenance and cleanliness on campus. The IT team manages the computing infrastructure and undertakes all troubleshooting of hardware and software problems as they arise and are reported.

Maintenance of equipment is managed by individual departments by interfacing with concerned vendors and support centers.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?

Calibration is done as per the manufacturer's recommendations for each equipment/instrument. Calibration is typically done once a year during summer vacation.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

Sensitive equipment such as servers, computers, electronic equipment and projectors etc. are located safely in the rooms and a stabilized power supply is provided through servo stabilizers. Stabilizers are in addition to the inbuilt stabilization circuits in each of these equipment's. UPS's are also used as hot standby power supply for vital equipment.



CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes, the institution brings out the following publications periodically:

- **Hand-Book:** The MIET handbook is published annually. It contains information about the profile of the departments, various programs offered and the eligibility conditions.
- **News-letter (Intranet):** The College also publishes yearly News Letter (Intranet) that provides a yearly roundup of the developments at MIET.
- **Website:** The website is regularly updated with the latest information for the benefit of all stakeholders.
- **A CD** is provided to each student containing:
 - E-Brochure
 - Learning Resources
 - Rules and Regulations
 - Code of Ethics for Engineers
 - Syllabus with course details

The institution is part of the eight-decade legacy of the MIER Group which was setup in 1936 and enjoys a good reputation and brand value within J&K. The contents of all official publications of the institution reflect the core values and ethics of the institution.

5.1.2 Specify the type, number and amount of institutional scholarships/freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Yes, the college is currently offering two scholarship schemes, details of which are as under:

1. Sh. H.L. Gupta Scholarship

10 Merit-Cum-Means Scholarship are awarded to male students @ Rs. 1000/- per month for 10 months whose family income is less than 2.5 lac per annum. The distribution of merit-cum-scholarship course/semester wise is as under:



S.No.	Name of Student	Branch	Year
1	Sahil Magotra	ECE	2016
2	Danish Mukhtar	IT	2016
3	Nadeem Ul Isham	MCA	2015
4	Ishan Sharma	CSE	2015
5	Kushal Sharma	ECE	2015
6	Rajat Arora	EE	2015
7	Sahil Manhas	CSE	2015
8	Ashesh	ECE	2012
9	Gazala Hassan	EE	2012
10	Mohd. Kamil	IT	2012

Table 5.1: Details of H.L Gupta Scholarship Given to Male Students

2. Smt. Shanti Gupta Scholarship

Merit-Cum-Means scholarships are awarded to girl students @ Rs. 1000/- per month for 10 months whose family income is less than 2.5 lac per annum. Following girl students have benefitted from the scheme:

S.No.	Name of Student	Branch	Year
1	Supreet Kour Bali	MBA	2017
2	Mamta Sharma	ECE	2017
3	Ashima Gupta	ECE	2016
4	Tanvi Slathia	IT	2015
5	Shamlee Slathia	ECE	2015
6	Pallavi Seotra	ECE	2012

Table 5.2: Details of Girl Students

5.1.3 What percentage of students receive financial assistance from state government, central government and other national agencies?

Around 10 percent of the students admitted to the institution receive financial assistance from the various agencies affiliated with state and central government. In addition to this institution offers two scholarships (details



mentioned above). The following table gives the details of the financial assistance received by our students:

Granting Agency	Scholarship or Benefit Amount/year	Number of Students
MIET	48,000	55
Ministry of Minority Affairs	25,000	193

Table 5.3: Details of Financial Assistance Received from External Agencies

5.1.4 What are the specific support services/facilities available for:

Students from SC/ST, OBC, and economically weaker sections:

The students from the weaker section are encouraged and supported to apply for various scholarships schemes promoted by state and central government. The students can also avail the institutional scholarships, the details of which are mentioned in section 5.1.1. A book bank is maintained at college library which lends out books to such students as per their requirement.

Students with physical disabilities:

All the buildings of the institution are equipped with ramps to ensure unhindered access to all areas of the ground floor of all academic blocks. Provision of lifts has been made in the buildings and it is planned to add lifts in a phased manner. In the newly constructed Academic Block D provisions for disabled-friendly washrooms has also been made. Currently there are no physically-disabled students enrolled at the institution.

Overseas students:

As there are no overseas students, so support services have not yet been planned for such students.

Students to participate in various events/activities/competitions at National and International levels

The students are encouraged to participate in various national, regional and international competition and events. The institution extends financial and mentoring support to the interested students to improve their performance. In some cases, exceptional student projects are funded by the institution.

Medical assistance to students: health center, health insurance etc.

The institution had established a health center supervised and managed by the



trained medical practitioner. The health center is equipped with all the basic medical facilities, medicines and first-aid kit. A 100-bedded Govt. hospital is located within one kilometer of the campus. A vehicle with a driver is available at campus to ferry students/faculty to the hospital in case of any unforeseen emergency.

Further, all employees and students are covered under a comprehensive group insurance scheme which provides individual cover of Rs. 1 Lakh and upto Rs. 40,000 towards hospitalization expenses.

Organizing coaching classes for competitive exams

The departments lay strong emphasis in exposing students to various competitive exams by organizing orientation sessions, seminars and webinars throughout the year. The industry experts and experienced faculty members from reputed academic institutions are invited to discuss exam pattern and offer guidance and counseling for the aspiring students. A slot has been earmarked in the time table as “Activity Lecture” which helps students to understand and explore various career opportunities after the completion of their degrees.

Skill development (spoken English, computer literacy, etc.,).

Spoken and Written English: A number of programs are initiated throughout the year aimed at improving the inter-personal skills of the students. Some of the key initiatives undertaken are given below:

- The students are made to undertake national level assessment tests like AMCAT, Wheelbox and LinkedIn for determining their national ranking/scores on English comprehension, general aptitude and logic reasoning.
- Based on the results, specialized focus group trainings are planned for the students.
- The placement and training department organizes guest lectures, group discussions and personal interviews to make students proficient in communication skills.
- MIET Literary Club has been set up and regularly organizes various competitions like debates, symposiums and mock group discussions on current topics for building confidence among students and providing a suitable platform for developing their public speaking skills.
- External experts are regularly invited to conduct specialized workshops and trainings on spoken and written English



Computer Literacy: IQAC plays a significant role in carrying out key initiatives in improving the computer literacy among all the students.

- All the first-year students are made to attend mandatory orientation sessions on ICT
- An official e-mail with 10 TB cloud storage is provided to all the students for communication with all the faculty members and other students.
- The students are trained on various software packages implemented in the institution. It includes the ERP and Performance Insight 360 analytics framework-focused on measuring and tracking student's progress through-out the four years.
- The institution has got quality computing infrastructure which includes 500+ computers, high-end Servers and fiber-optic backbone providing high speed internet connection.
- Campus Wi-Fi is accessible to students and staff.
- Students are encouraged to upgrade their computer skills by giving them open access to computer laboratories.
- Students are also required to submit presentations/seminars using power point slides.
- Students also pick up computer skills during their lab work with the help of the lab supervisors etc.

Support for “slow learners”

The institution lays special emphasis on taking initiatives for slow learners to keep them on track to meet the expected academic outcomes. The process starts with identifying the slow learners through teacher's feedback, classroom response, and mid-term evaluation. These students are counseled by their designated faculty mentors. A need assessment analysis with the shortlisted students is performed to identify the areas which need to be focused upon in the next stage. The Remedial classes are structured and planned with the objectives to fulfill the gap discovered in the earlier phase. The feedback of the sessions is recorded and the impact is measured through university results.

Specific support is extended to students to succeed in supplementary examinations through coaching in small groups.



Publication of student magazines

The MIET Literary club has started bringing out an e-magazine for the students from the current session.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

The institution has identified innovation as one of its core values. The institution has set up “Centre for Research, Innovation and Entrepreneurship” (CRIE) to promote the culture of research, innovation, and entrepreneurship among students. Top 5 students from different departments are selected under this center to work on innovative projects and research problems.

The institution has also set up the MSME approved Technology Business incubator (TBI) under CRIE which aims to incubate ten companies from campus. TBI provides financial support of up to Rs. 8 Lakhs per idea leading to potential commercialization. The TBI organizes a number of seminars, workshops and orientation sessions on entrepreneurship and importance of protecting innovation.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

Three committees have been formed at MIET which take care of various extra-curricular activities for the students. These committees are:

- Cultural and Co-Curricular Activity (CCA) Committee.
- NSS Committee.
- Sports Committee.

These committees plan and conduct events for the students such as Sammilan, MIET Premier League, MIET Open Chess and Table Tennis tournaments, MIET’s Got Talent, I-Survive adventure boot-camp etc. They also keep a track of events which take place in Jammu University and other universities and prepare students to participate. In addition to committees, each department makes its own calendar of activities for the students. Following specific steps have been taken to encourage students in extra-curricular activities.

- A proper slot in the form of Activity Period for extra-curricular activities has been introduced in the time-table on a daily-basis.



- Important occasions like World Telecom Day, World AIDS Day, Earth Day, Vishvakarma Day, Consumer Rights Day and Engineer's Day etc. are identified at the beginning of an academic year and events like seminars, debates, quizzes, poster making, project competitions etc. are organized with the active participation of students.
- Picnics, industrial visits inter-departmental competitions are planned and conducted throughout the year.
- The college authorities encourage students to participate in inter-college events organized by different institutes.
- Students who are excelling in sports are extended all support to compete at national/international level.

This has resulted in stellar performances by MIET students in cultural, sports and extra-curricular events, details of which are provided below:

Sports

S.No.	Name of student	Year	Name of Event	Position	Achievement Level
1.	Sarmad Wani	2017	Snow Rugby	Gold	National
2.	Azlan Abid	2017	Winter Games Association of K & K	Selection for Inter State	National
3.	<ul style="list-style-type: none"> • Shivam Suri • Azlan Abid • Tahseen Abbas 	2016	Young India Adventure Racing Championship	Best Competitive Under Dog Adventure Team	National
4.	Pushpinder	2016	Cricket	Selection in Inter University Cricket	University
5.	Asish Kotwal	2016	Power lifting	Bronze	University
6.	Waqar Mir	2016	Power lifting	Gold	University



7.	Virbhadr Singh	2016	Judo/60Kg	Gold	University
8.	Adhirath Kesar	2015	Fencing	Silver	University
9.	Rupali	2015	Fencing	Gold	University
10.	Dushyant Magotra	2014	Fencing Champions hip	Bronze	National
11.	Anshu	2014	Junior National Cork ball Champions hip	Selected	National
12.	Vir Bhadra	2014	Judo/60kg	Gold	University
13.	Shubam Sawhney	2014	Body Building Champions hip	Bronze	University
14.	Sahil Sharma	2013	Asian Cup Karate Champions hip	Represented	International
15.	Dushyant Magotra	2013	All India Fencing Champions hip	Bronze	National
16.	Roshan Angurana	2013	Taekwondo Champions hip	Silver	National
17.	Team MIET	2013	Table Tennis Champions hip	Gold	Inter College
18.	Sahil Sharna	2012	J&K cricket team which takes part in Ranji Trophy	1st Class Level	National
19.	Dushyant Magotra	2012	Sub-Junior National Fencing	Bronze	National



20.	Diksha Salgotra	2012	Badminton , Singles & Doubles	Gold	University
21.	Sulekha Bhatt	2012	100 Mtr Sprint	Silver	University
22.	Akshay Sharma	2012	Short Put	Silver	University
23.	Govind Ram	2012	Long Jump	Gold	University

Table 5.5: Details of Student participation in Sports Events

Co-Curricular and Extra-curricular

S.No.	Name of student	Year	Name of Event	Position	Achievement Level
1.	Nitsimran Kour	2017	Future CEO	1 st	National
2.	<ul style="list-style-type: none"> • Akshay Gupta • Preeti Chib • Sayesha • Apurva 	2017	Marketing Mania	1 st	National
3.	<ul style="list-style-type: none"> • Priya Tickoo • Neha • Ruchi Bhat • Akanksha 	2017	Funk from Junk	1 st	National
4.	Sahil Koul	2016	ISTE Student Award	Best Student Award	Regional
5.	Danish Mukhtar	2016	ISTE Student Award	Best Student Award	Regional
6.	Neetika Sharma	2016	All India Essay Writing	Certificate of Merit	Regional
7.	Nitsimran Kour	2016	All India Essay Writing	Certificate of Merit	Regional
8.	<ul style="list-style-type: none"> • Sahil Pratap • Amit • Saveet 	2016	Pink City	1 st	National
9.	<ul style="list-style-type: none"> • Sahil Sudan • Vaishali 	2016	Treasure Hunt	1 st	National



	<ul style="list-style-type: none"> • Neha Koul • Priyanka 				
10.	Rakesh Raina	2016	Perception of Games	2 nd	National
11.	<ul style="list-style-type: none"> • Reetika • Niyati Kapoor • Preeti Chib 	2016	2 nd National Business Plan Competition	2 nd	National
12.	Vikas Chib	2015	ISTE Student Award	Best Student Award	Regional
13.	Nitin Bhandari	2015	ISTE Student Award	Best Student Award	Regional
14.	Sahil Gupta	2015	Quiz	1 st	University
15.	Ankur Mahajan	2015	Quiz	1 st	University
16.	Sanjay	2015	Quiz	1 st	University
17.	Satbir Singh	2015	Western Vocal Solo	1 st	University
18.	Supriya Rajput	2015	Flower Arrangement	3 rd	University
19.	<ul style="list-style-type: none"> • Amit • Anchal Baja • Princy Koul • Rakesh Singh 	2015	Group Discussion Competition	1 st	National
20.	Renuka Rani	2015	Solo Dance	3 rd	National
21.	<ul style="list-style-type: none"> • Akashdeep • Shubham 	2015	Mock Stock	1 st	National
22.	<ul style="list-style-type: none"> • Rakesh Raina • Amit 	2015	Quiz	3 rd	National
23.	<ul style="list-style-type: none"> • Akashdeep • Shubham 	2015	Bull or Bear	1 st	National
24.	Sahil Sudan	2015	Rang Manch	2 nd	National
25.	<ul style="list-style-type: none"> • Rakesh Raina • Saveet 	2015	Photography	3 rd	National
26.	Madhur Mahajan	2014	Extempore	Certificate of Merit	University
27.	Pankaj Saini	2014	ISTE	Best	Regional



			Student Award	Student Award	
28.	Shruti Khajuria	2014	ISTE Student Award	Best Student Award	Regional
29.	<ul style="list-style-type: none"> • Radhika • Vanika Gupta • Taniya Gupta 	2014	Rang Manch	1 st	National
30.	Sharandeep Singh	2014	Photography	3 rd	National
31.	<ul style="list-style-type: none"> • Varun Anand • Abhimanyu 	2014	Quiz	1 st	National
32.	<ul style="list-style-type: none"> • Sahil Singh • Saachi • Vasudha 	2014	Ad Nirman Competition	1 st	National
33.	Sargam Sharma	2013	Semi Classical Singing	2 nd	University
34.	Nippun Mahajan	2013	G.K. Quiz	1 st	Regional
35.	Vijesh	2013	C++ Debugging	2 nd	Regional
36.	Anjali Dutta	2013	Essay Writing	1 st	Regional
37.	Sehar	2013	Chess Competition	1 st	Regional
38.	Divya Gupta	2013	Solo Dance	2 nd	Regional
39.	<ul style="list-style-type: none"> • Rajat Sharma • Sarv Daman • Anuj 	2013	Group Song	2nd	University
40.	Afshan Quadri	2013	ISTE Student Award	Best Student Award	Regional
41.	Sajan Shridhar	2013	ISTE Student Award	Best Student Award	Regional
42.	Best Technical Institution	2012	Minerva-2K12,15 th ISTE annual	Overall Trophy	National



			student convention		
43.	Nazuk Bhasin	2012	ISTE Student Award	Best Student Award	Regional
44.	Ishita Jain	2012	ISTE Student Award	Best Student Award	Regional

Table 5.6: Details of Student participation in co-curricular and extra-curricular activities

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

The training and placement cell performs the dual role of creating awareness and then assisting the interested students in their pursuit of qualifying various competitive exams. The T&P cell in association with leading training institutes, academicians, professors within institute and industry experts organizes various sessions, workshops, mock tests and webinars for deep understanding of various exams.

The details of the students appearing and qualifying various competitive exams is given in the table below:

Exam Type	Number of Students Appeared (2015-16)	Number of Qualified Students (2015-16)
GRE	12	12
GATE	120	12
GMAT	1	1
TOFEL	5	5
Civil Services	15	0
State Services	22	12
Central Services	23	4

Table 5.7 Details of Students appearing for Competitive Exam

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)



- Each student is assigned a faculty mentor who tracks the student progress providing personal guidance and counseling from time to time.
- The quality analytics software framework PI-360 provides automated guidance and counseling emails every quarter to each student. This includes a performance snapshot of the student and the relative performance of the student with respect to their peer group. This benchmarking of performance allows students to plan for improving their overall performance.
- Workshops, sessions and interaction with experts from the industry exposes students to career paths, sets expectations and aligns them with the needs of the industry.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If ‘yes’, detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Placement and career counseling services are available to students through the Placement Cell/Committee. This committee interacts with various companies, placement agencies and other institutions for creating placement opportunities. There is a convener of this committee at the college level while each department has a placement coordinator. Select final-year students are also a part of the committee and they assist in driving placement-related activities at the institution. The following activities are carried out under the ambit of the committee:

Preparation:

- AMCAT test is conducted for all the final year students to determine their employability scores at the beginning of the seventh semester. A detailed placement report along with their national and institutional ranking is shared with all the students. Moreover, the AMCAT scores are shared with more than 700 companies linked to AMCAT for recruitment of fresh graduates.
- Group discussions and interviews are carried out at departmental and committee level to prepare students for the interviews. A specialized program “Competency Building Program” has been operational since the last two years for providing in-depth training to students on interviewing skills.



Industry Outreach

- Email Campaigns are run through-out the year for establishing tie-ups with companies for possible recruitment drive.
- The placement team visit the companies in and around industrial areas of Jammu and give presentation to their Managing Directors/HR personnel about the capabilities and qualifications of our students.
- Establishing links with regional institutions and organizing/participating in placement drives at a central place.
- Linking up with institutes outside J&K especially in Punjab, Chandigarh and Delhi, finding dates of placement and ensuring participation of the eligible students.
- Conducting drives for previous batch students based on industry requirements.
- Even after the students leave the college the placement cell keeps sending them emails on prospective employment opportunities as they arise.

Some of the major organizations which have recruited MIET students in the recent past are:

S.No.	Employer	Program
1.	CGI	B.E
2.	Amazon	B.E
3.	L&T	B.E
4.	Tech Aspect	B.E
5.	Hewlett Packard	B.E
6.	Maintec Technologies	B.E
7.	Rooman Technologies	B.E
8.	Sebiz Technologies	MCA
9.	PC Solutions	B.E
10.	Indian Army	B.E
11.	Indian Airforce	B.E
12.	Vodafone	B.E
13.	Tech Mahindra	B.E.
14.	ICICI Prudential	MBA
15.	KIPS Publishing	B.E
16.	Airtel	MBA



17.	Cognizant Technologies	B.E
18.	Genpact Pvt. Ltd	MBA/B.E
19.	Netsmartz	MCA
20.	Accenture	MBA/B.E
21.	Global Logic Pvt. Ltd	B.E
22.	Indo Abroad Solutions	MBA/B.E
23.	Vision Technology	MBA/B.E
24.	Syntel	B.E
25.	Infineon Technology Pvt Ltd	B.E
26.	Racebit Info Technologies Pvt Ltd	B.E
27.	IndusInd Bank	B.E
28.	Mount Talent Consulting Pvt Ltd	MBA/B.E
29.	Adroit Financial Services Pvt. Ltd.	MBA/B.E
30.	NIIT	B.E
31.	Kapsons	MBA/B.E
32.	DLF Pramerica Life Insurance	B.E
33.	Yes Bank	MBA

Table 5.8 List of Companies visiting campus

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

Grievance Redressal Committee comprises of:

1. Dr. Vijay Kaul (Convener for Faculty)
2. Mr. Sahil Sawhney (Co-Convener for Students)
3. Dr. R. M. Vaid (Member)
4. Brig. P. N. Sharma (Member)
5. Prof. B. S. Komal (Member)

The details of the grievances reported and redressed during the last four years are mentioned below:

S.No.	Grievance Reported	Redressed
1	Labs up-gradation	Programming Lab in CSE was upgraded with Thin client PC's and ECE & EE Labs have also been upgraded with new



		equipment. The database lab of MCA got upgraded.
2	Wi-Fi Connectivity in the Campus	3 Wi-Fi have access point have been installed for better connectivity in C Block and Canteen area.
3	Better Sports facilities	Playground extended and basketball court provisioned
4	To introduce more number of value added courses	Big Data course from EMC introduced in final-year. IIT Super Resource Center setup in 2015 to provide training and certification on latest technologies
5	Interaction with Management	Tea with Director program has been introduced wherein small groups from each dept. & semester meet the Director in an informal setting.
6	Security in the campus	12 video cameras have been installed for better monitoring & supervision.
7	To strengthen Placements	Placement Cell has been strengthened and significant success achieved in response to student feedback for creating more placement opportunities

Table 5.9: Details of grievances reported and action taken

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

The institution abides by all regulations pertaining to the setting up of a Prevention of Sexual Harassment Committee and making all stakeholders aware of its existence. The committee consists of the following members:

1. Ms. Ruksana Salathia (Convener)
2. Dr. Navdeep Bhullar (Co-convener)
3. Ms. Veena Tripathi (Member)
4. Ms. Amitoz Kour (Member)
5. Dr. Nitin Langer (Member)

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

The Anti-Ragging committee was constituted as per UGC/AICTE guidelines. Names of professors' in-charge of the anti-ragging cell are displayed on the



notice boards, so that students are aware of the same. Anti-ragging posters are put up across the campus with helpline numbers to prevent any untoward incident. Periodic patrolling is done by committee members in the corridors to minimize ragging in the college premises. The CCTV surveillance also acts as a deterrent. The committee is very vigilant and safeguards the interest of the students. In the past five years no case has been registered.

S.No	Name of Member	Department	Contact No.
1	Prof. Brig P. N. Sharma	MBA (Convener)	9469132770
2	Prof. B. S. Komal	ASH	9419143860
3	Asst. Prof. Salim Qureshi	CSE	9419138040
4	Asst. Prof. Ashok Sharma	MCA	9419106800
5	Asst. Prof. Taru Mahajan	ECE	9419124696
6	Dr. Nitin Langer	EE	9469144633
7	Mr. Prof. Manu Gupta	IT	9419181699
8	Dr. Neha Sharma	KAS, BDO, Bhalwal, Jammu	9419198703
9	Mr. Vikram Manhas	In Charge Police Post Chinore, Jammu	9596929345
10	Ms. Rashika	MCA 5 th Sem (Student)	9858959218
11	Mr. Sahil Pratap Singh	MBA 3 rd Sem (Student)	9086734929

Table 5.10 List of Anti-Ragging Committee Members

Every year before the start of the session the committee with the active participation of the local Police post and the Block Development Officer lays out a strategy to prevent ragging.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

- The institute provides accident insurance to all students. Besides providing insurance cover of Rs. 1 Lakh, it also provides cover for hospitalization expenses up to Rs. 40,000.
- Counseling services are provided to the students through the faculty



mentors at the department level.

- 10 Institute merit-cum-needs scholarships at Rs. 10,000 per year are provided to both male and female students.
- Provision of paying tuition fee in installments for needy students.
- Financial support for attending external events and financial incentives depending upon level of achievement are provided.

5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?

Yes, the Alumni Association of MIET is called “Connexions”. It has recently been registered. A Bengaluru chapter of the Alumni Association is in existence. The Alumni Association assists the institution in running the “Alumni Mentoring Program” for current students. Several placement opportunities have been created due to the active involvement of the alumni association.

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Student progression	Percentage (%)
UG to PG	5%
PG to M.Phil.	-
PG to Ph.D.	0.18%
Employed	
• Campus selection	• 30%
• Other than campus recruitment	• 12%



5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)?

Department-wise Pass Percentages				
	2015-16	2014-15	2013-14	2012-13
CSE	69.17%	68.42%	73.25%	70.28%
ECE	76.61%	74.03%	77%	72.88%
EE	73.56%	71.27%	75.67%	70.66%
IT	78.04%	77%	77.92%	75.99%
MBA	93.28%	93.03%	96.12%	92.48%
MCA	74.89%	69.31%	70.75%	68.98%

Table 5.11 Department-wise passes percentage for last four years

Completion Rate (percentage)								
	2015-16		2014-15		2013-14		2012-13	
	MIET	Other Colleges						
CSE	69	Not Available	66	Not Available	67	Not Available	60	Not Available
ECE	80		72		69		71	
EE	65		68		87		65	
IT	68		66		71		66	
	MIET	Other Colleges						
MBA	79	Not Available	93	Not Available	84	Not Available	83	Not Available
	MIET	Other Colleges						
MCA	70	Not Available	58	Not Available	81	Not Available	76	Not Available

Table 5.12 Completion rate percentages for last four years



5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

For Higher education;

- The institute organizes awareness sessions for students to apprise them of the international admissions of MIET students from previous batches. Information on MoUs with UMKC, USA and UAV, Romania are also shared to allow students to pursue higher education at these universities.
- The institution motivates students regularly, at the management as well as the departmental level, to appear in various competitive examinations.
- Awareness lectures by the experts in the field are also organized for them.
- Distinguished Guest Lectures provide world-class exposure and establish importance of higher education from world-class universities.
- One to one interaction with faculty mentors are used to reinforce the importance of pursuing higher education as per the interests of the individual student.
- Tea with Director program in which success stories from the institution are shared and students are encouraged to pursue higher education and aspire for international career paths.
- Several other orientation programmes for students on CAT, GRE, TOEFL and GATE examinations have been conducted from time to time with the help of external agencies.

For Employment:

A dedicated Placement Cell constituted in the college helps students to attain placement in industries. In addition, placement committee comprising placement coordinators from each department assist the placement officer. Typical activities under the cell are:

- Customized trainings for students to improve industry-readiness
- Competency Building program for students to improve chances of success.
- Industry-outreach program to convince potential employers to consider MIET students



- Plan and conduct placement drives
- Support previous batches through communicating placement opportunities and organizing drives as required.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

- MIET has a Guidance and Counseling Committee which lays down policies for counseling of the students. Under this, each department operates the mentorship program for students. Every faculty member mentors 15-20 students from their department. Through the mentorship program and proper counseling to the students an attempt is made to minimize the dropout rate of students.
- For individual cases, the leadership team meets the concerned parents and the student to draw out a specific plan to address the core issues and help improve student performance. All possible academic support is extended to students who either drop a year or are unable to cope with the programme due to family/personal/health issues.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

Indoor Games such as Table Tennis, Caroms Board and Chess are available in the common rooms. Provision for outdoor games such as cricket, football, volleyball, tennis and badminton has been made.

Category	Activities	Calendar
Sports	MIET Cricket Premier League	November
	MIET Open Chess Championship	March
	MIET Open Table Tennis Championship	March
	MIET Football Championship	March
	Inter Department Volley Ball Championship	March
	Inter Department Carom Championship	March
Cultural	Sammilan-Cultural and Technical student fest	March
	MIET's Got Talent	October
Extra-Curricular	I-Survive	April-May



	Adventure Racing Championship	December
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Table 5.13 Student activity calendar

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

Participation	2015-16		2014-15		2013-14		2012-13	
	Participation	Medals Won						
No. of students participated in Sports, Games and other events								
State/University Level	25	5	15	16	13	7	39	4
National Level	10	0	3	2	5	3	5	3
International Level	0	0	0	0	0	0	2	1
No. of students participated in cultural events								
State/University Level	40	1	20	3	65	28	0	0
National Level	43	2	62	8	20	20	203	56
International Level	0	0	0	0	0	0	0	0

Table 5.14 Details of student achievements

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?



The institution seeks frequent feedback from all its stakeholders to constantly improve its offerings and overall quality. Events/forums where feedback is solicited from stakeholders include:

- Departmental Advisory Committees
- Alumni-meet
- Industrial visits
- During visits by distinguished guests and invited experts.
- Corporate feedback during placement drives.
- Feedback from Alumni visiting college for collecting degrees or other certificates
- Feedback from university is obtained during inspections and other forums of interaction.

The inputs collected from all the sources above are presented and discussed in the various forums at the college and strategic plans for development are made keeping these inputs in mind.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

The MIET literary club manages the publication of the wall-magazine which is updated on a weekly basis. Efforts are underway to publish an e-magazine completely managed by the students. Under the Center for Research, Innovation and Entrepreneurship (CRIE), students of the college have begun the process of publishing Technical Reports on latest technologies and application domains to boost publications by the student community at MIET.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

No, Student Council is not in existence. However, there are 15 committees in the college which look after various academic and non-academic aspects. Students are nominated as members of these committees and participate actively in planning activities for the benefit of the student community at large.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.



There are 7 committees in the college in which students are also members. The complete details on the composition of various committees are given in the annexure M. These are as under:

1.Cultural and Co-Curricular Activities (CCA) Committee: To organize various events, cultural programmes etc.

2.Value Added Courses Committee.: To promote and conduct various short term / workshops /training programmes on various emerging trends which are not part of the curriculum but are industry-relevant.

3.Sports and Games Committee: To conduct and organize various sports activities/events.

4.Student Support Services and Amenities Committee: To provide support/services to the students of the college to improve overall student experience.

5.NSS, Extension & Outreach Committee: To organize various NSS activities with a view to improve social outreach and create awareness among students on important social issues and causes.

6.Maintenance, House-keeping and Hospitality Committee: to ensure proper maintenance of infrastructure and provide all necessary support in successful conduct of institutional events.

7. Placement and Alumni Committee: To interface with the industry and create placement opportunities for students and to manage alumni relations and engagement.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

Alumni

The alumni relations are managed by the Alumni Committee. The Center for Software Development at MIET in association with committee has developed IT based alumni tracking platform for real time alumni networking and collaboration. The alumni platform gives rich and detailed insights into alumni distribution based on location, industry type and batch. At present the system connects to more than 1200 alumni from all over the world. The alumni committee has been able to drive following alumni initiatives

1. Alumni Meets



2. Alumni Mentorship Program
3. Meet the Alumni Series
4. Alumni Association
5. Alumni Chapters

In addition to this institution has strong presence on Social media platforms like Facebook, LinkedIn, Twitter and Instagram for strengthening the alumni relationship.

Former Faculty

Institution has set up “university page” on LinkedIn for networking and collaborating with all the existing and former employees. In several instances faculty members who left the institution have rejoined the institution due to the good work culture and professional attitude of the management of the institution.



CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision	:	To create a world-class institution
Mission	:	To deliver exceptional value to students, industry and society
Core Values	:	Shreshtha (Excellence), Navinta (Innovation) and Shram (Diligence)
Strategic Elements	:	Quality, Innovation, Customer Experience, Blue-Ocean

India requires trained technical manpower to sustain the tremendous growth in industrial sector achieved in the last 2 decades. Along with traditional technologies industry-relevant manpower in hi-tech areas of Information and Communication technologies are the need of the hour. MIET's vision and mission articulates the endeavor of the institution in preparing world-class technical leaders who can contribute to national development through innovation and excellence, while contributing to societal development as well. This is the essence of the report of the National Knowledge Commission and other statutory bodies of the Govt. of India, on whose recommendations the Higher education policies are based. Thus, the stated mission and vision of MIET are congruent with the stated national objectives in this regard.

The activities and achievements of MIET reflect the spirit embodied in the vision, mission and core values, being the first engineering college in the State of J&K to start UG (B.E) and PG courses (MBA and MCA) thus catering to the needs and aspirations of the students of J&K state. The mission and vision of MIET stem from the legacy of its founding body i.e. the Model Institute of Education and Research, which was setup in 1936 and was the first educational enterprise in private sector in the State of J&K. The missionary zeal of the founders of MIER, drives the activities of MIET till today, with service to society by providing quality education being the overriding theme.



6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The leadership team and faculty work in synergy for implementing its quality policy. The leadership provides the road map for achieving excellence in technical education and the academic and administrative processes are geared towards realizing this vision. The role of top management, Director and faculty in design and implementation of quality policy and plans is detailed below:

- **Role of the Top Management**
 - Defining a viable roadmap for the institution with well-defined outcomes and a focus on quality
 - Ensuring that the quality plans are aligned with the core values of the institution.
 - Hire competent, dedicated individuals to effectively implement the quality plans of the institute
 - Create an atmosphere that is fair, transparent, motivating and conducive for staff and students to produce quality output and outcomes.
 - Make financial provisions to provide infrastructure, facilities and resources to effectively realize the quality policy.
- **Role of Director**
 - Provide inputs leading to the finalization of the quality plan and objectives.
 - Formulate long-term and short-term plans for the growth of the institute and its constituent departments including defining strategic plan, IT-plan, Risk Management Plan and Quality Plan in line with the institute's quality policy in consultation with the management.
 - Develop the road-map for execution of the plans and objectives set for the institution.
 - To draw an yearly action plan aimed at strengthening the existing academic programmes of the institute including developing sub-plans for individual departments and ensuring time-bound execution of the plans
 - To review the performance of each department as per the laid down quality plans and objectives.
 - To design strategic interventions to ensure compliance with quality policy and objectives.



- **Role of Faculty:** The leadership team creates a climate conducive for faculty to assimilate the spirit of the institute’s values and sustain it. The involvement of faculty is ensured through active participation in the governance structure through college committees. These committees are aligned with the quality-oriented processes defined at the institution level. Faculty plans and implements the quality policy by:
 - Maintaining work schedules for effective teaching-learning ensuring desired quality outcomes.
 - Putting in efforts to impart quality education through sustained student-centricity in planning and delivery aspects.
 - Ensure that the quality plans and objectives are effectively implemented at the ground level.
 - Engage in research, undertake projects and participate in allied activities in line with expected outcomes.

6.1.3 What is the involvement of the leadership in ensuring:

- **the policy statements and action plans for fulfillment of the stated mission**

The leadership at MIET comprises seasoned academicians with decades of experience and proven track record of academic service. The motto is “leadership by example and objectives”. Thus, the leadership team has clarified the missionary zeal of the founders into the core values – Shreshtha, Shram and Navinta - from which emanates the institute vision and mission. The vision and mission of the institute are simple yet powerful statements which provide a frame of reference for the leadership team to frame policies which aid in the achievement of the institute’s lofty vision and mission while staying true to the core values.

- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**

The institution prepares several categories of plans, such as:

Category of Plan	Stakeholders Involved
High-level strategic plan with sub-plans and action items	Chairman, Vice Chairman, Director, Director Academics, Manager Strategic Initiatives
Academic Plans	Planning and Academic Affairs Committee including Director,



	Director Academics, Dean Academics and Heads of Departments
Quality Assurance Plan	Director, Quality Assurance Officer, IQAC Cell
IT-plan	Director, Manager IT, Manager Strategic Initiatives, Senior Faculty
Risk Management Plan	Chairman, Vice Chairman, Director, Director Academics, Manager Strategic Affairs
Departmental Plans	Heads of Departments, Departmental Advisory Boards

Table 6.1: Institutional Plan Details

The strategic plan which is the basis for all other plans is based on the following four elements:

- a. Quality – as evidenced by multiple accreditations, novel quality-related initiatives, recognized quality focus.
- b. Innovation – showcased through R&D, special projects, patents and applied research with a special focus on promoting student-led innovation.
- c. Customer Experience – through creating special experiences for students and providing world-class exposure and opportunities
- d. Blue Ocean – focus on areas where there is no competition, set the bar very high for competition by venturing into new untapped areas.

- **Interaction with stakeholders**

Several forums have been created for regular interaction with stakeholders. Some of these are:

1. **Students**

- a. **Tea with Director:** The “Tea with Director” is a motivational session conducted every week with a small group of students. The program is aimed at motivating and inspiring students to create a winning strategy in this competitive world. The program has been able to create considerable impact among students receiving significant positive response.
- b. **CRs Meeting with Dean Academics:** The class representatives from all the departments formally meet the Dean Academic Affairs



every month to formally discuss and provide their feedback in improving the quality of classroom teaching, progress on course work and other inputs.

- c. **Faculty Mentorship:** The faculty mentors are designated for all students who are responsible for personal and academic counseling on need basis.
- d. **Email:** Regular emails with institutional updates are sent to students on their official email ids
- e. **Social Media:** The institution regularly updates the students with recent happening in the college through official social media pages of the institution on Facebook, LinkedIn, Instagram, Twitter and Google Plus.

2. Faculty

- a. **Town Hall Meeting:** The top management of the institution apprises all the staff members with the institutional progress and action items for the next year during the Town Hall Meeting which is organized once in a year.
- b. **Management Review Meeting:** Management review meetings are held every year wherein the leadership team at MIET apprises and updates the management with the progress made as per the annual strategic and operational plans.
- c. **Tea with Director:** The Director meets the faculty in small groups sharing important institutional updates and providing inputs to faculty members on creating strong academic profiles.
- d. **Management Development Programme:** This is a workshop format designed for Heads of Departments to plan through collaborative brainstorming and laying out KRAs for their respective departments while following modern management techniques.
- e. **Advanced Mentoring Programme:** Designed for developing the second line of leadership this one year programme takes faculty members through SWOT analysis, creating Individual Development Plans (IDPs) and tracking their progress on a monthly-basis through presentations and personalized reviews by the leadership team who serve as mentors.
- f. **Email:** Regular emails are sent to all faculty members communicating policy decisions and action items.
- g. **Social Media:** All faculty and staff is connected through the official social media channels and are kept up-to-date with the institutional happenings through regular updates.



3. Parents

- a. **Parent Teacher Meeting:** IQAC Cell organizes interaction with parents on an ongoing basis.
- b. **Social Media:** The Social Media Cell regularly puts out updates on institutional events, activities and achievements.
- c. **Official Communication:** In several cases, parents are apprised of the progress of their wards through official communication/land mail and personal interaction.

4. Alumni

- a. **Alumni Meets:** The alumni meet is an annual feature to effectively engage with the alumni and help drive key initiatives.
- b. **Social Media Platforms:** The institution manages exclusive university page on the LinkedIn for providing real time seamless connection with alumni spread all across world.
- c. **Meet the Alumni Series:** Alumni are invited to deliver lectures and interact informally with the students regularly.

5. Society

- a. **Social Media:** The social media channels enable the institution to project its achievements, special initiatives through posts and promotions.
 - b. **Newspapers:** The institution apprises the society of the events, happenings and achievements through press releases from time to time.
 - c. **Events and Activities:** a plethora of events and activities especially collaborative events with external agencies ensures that the society-at-large comes to know about the vibrant culture of the institute.
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**

The institute's management structure reinforces its philosophy of scientific planning. The Board of Director's comprising 3 former Vice Chancellor's and other academic luminaries drive the overall policy. This eminent leadership team sets the tone through their world-class exposure, decades of rich hands-on experience and deep comprehension of academic and administrative matters. The top-level policies/plans are further propagated through strategic



and operational plans. At each stage a participative approach is followed. For instance, the Managing Committee of the institution includes senior Professors from the University of Jammu and other luminaries from diverse domains such as finance, law and engineering. They provide rich insights from diverse perspectives which help in shaping the operational policies besides promoting a culture of accountability and transparency. At the departmental levels, the Departmental Advisory Boards comprising academicians, industry experts and alumni provide direction for achieving excellence. Thus, the institutional plans/policies are shaped by diverse perspectives which help it align itself better with stakeholder expectations.

- **Reinforcing the culture of excellence**

The institute is the first in India to conceive, develop and deploy a cloud-based Quality Analytics Framework called Performance Insight 360 for institutionalizing a culture of quality and performance. The software is based on the adage, “what cannot be measured, cannot be improved”. It measures, tracks and benchmarks the performance of each stakeholder on various performance parameters, making each stakeholder responsible for their own performance. Further, the software framework sends out individual emails to stakeholders with a detailed performance review every quarter ensuring automated feedback and enhanced stakeholder engagement reinforcing organizational focus on quality. During 2016, the institution has had significant recognition for its quality initiatives at the National level:

- a. Quality Council of India’s, D.L Shaw Platinum Award
- b. Ricoh Education Excellence Award
- c. Startup Board Award at the 8th India Innovation Initiative

- **Champion organizational change**

MIET endeavors to create a high-performance workplace based on an open-culture supported by modern management practices. Being a self-financed institution in the State of J&K with one of the lowest fee structures in the country has thrown up significant challenges over the years, requiring novel strategies to be formulated to ensure continuous progress. The leadership team exemplifies the founding ideals of the institution, practicing “leadership by example”. Some of the major causes that the leadership team has recently championed through-out the organization are:

- Relentless focus on personal improvement for each stakeholder
- Use of data analytics for informed decision making
- Developing second-line of leadership through special support



programmes

- Tight integration of IT to improve organizational efficiency
- Customer value creation through special initiatives for students
- Innovation-centric approach
- Thorough professionalism at all levels in the organization

Organizational change is not easy in any context. The management has made driving organizational change a top priority. This is done through specialized programs led by the Director and the leadership team such as:

- Town Hall Meets
- Management Development Programmes (MDPs) for Heads of Departments
- Tea with the Director for all faculty members
- Tea with the Director for students
- Advanced Mentoring Programme (AMP) for developing second line of leadership
- Induction and Orientation Programmes
- Workshops/Trainings on specific areas operation such as IT systems, academic processes, ICT, teaching effectiveness etc.
- Regular departmental visits by the Director and leadership team
- Evaluation, assessment and regular review of all aspects of institutional performance through IQAC Cell
- Strategic planning and review

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

- Meeting of Leadership Team: The leadership team at MIET comprising Director, Director Academics, Dean Academics and all Heads of Department meet once in a week to track and measure the departmental progress on key areas.
- Monthly Reports from Faculty and HoD: The faculty members and HoDs submit their monthly reports on their academic and professional progress through PI-360 analytics framework
- PI-360, the analytics framework is extensively used to continuously



measure and track institutional progress on various strategic and operational areas. The framework allows the institution to align all faculty and students with the quality objectives and key performance indicators of the institution/departments.

- The IQAC Cell actively organizes meetings, orientation and training sessions, induction programs, collects feedback and initiates corrective action to ensure compliance with institutional policies and meeting the stated objectives.
- The Management Review Meeting (MRM) with the top management is a platform for the management to review the institutional progress and provide inputs for further improvements.
- The Managing Committee of the institution also reviews institutional performance, besides according approvals to key policies.
- Finally, the Board of Directors of the institution receive quarterly updates from the institution and are in a position to evaluate institutional performance and effectiveness of policies on a regular basis.

Thus, there are several layers of checks and balances which ensure transparency and high standards of organizational governance.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

Effective academic leadership is provided to the faculty by the top management by setting values and involving faculty in participative decision making process not only to achieve the vision, mission and goals of the institution but also in building the organizational culture.

The Chairman of MIET, Dr. Arun K. Gupta is recognized as the pioneer in private education enterprise in the state of J&K. Besides being recognized as a Teacher par excellence, he is a renowned researcher, entrepreneur and an institution-builder with a distinguished career spanning five decades. Further, the Board of Directors of the institute include 3 former Vice Chancellors of State Universities besides other luminaries. Thus, the promoters of MIET are pure educationists, devoted full-time to the advancement of knowledge through education. Such high quality academic leadership is the biggest strength of the institution. Dr. Arun K. Gupta is truly an inspirational role-model for the faculty of the institution and the students.

Further, the management provides Leadership by setting standards and allowing faculty the freedom to experiment without the fear of failure.



The leadership team at MIET carries forward the legacy of academic excellence being established leaders in their domains. Each member of the leadership team adopts a hands-on approach whether it is teaching, research or active involvement in all academic initiatives. As discussed earlier the management follows a “leadership by example” and “leadership by objectives” approach besides adhering to highest standards of personal conduct and ethics.

6.1.6 How does the college groom leadership at various levels?

Faculty

- Advance Mentoring Program (AMP) is a year-long coaching engagement conceptualized for developing second line of leadership at MIET. Eleven senior faculty members were shortlisted for the program which ran from Jan 2016 to Dec. 2016 with very positive outcomes.
- Management Development Program (MDP) is organized with a vision to enhance leadership and managerial skills among the senior leadership team at the institution. This is done through structured collaborative thinking, formulating plans and leveraging learnings from across departments.
- Shadow Leadership is encouraged with each department having an identified second leader to perform the duties of the HoD as and when required.
- Committee conveners provide leadership at the committee level to drive the objectives of each committee.
- Thus, several leadership opportunities exist for faculty members to develop their leadership and man management skills.

Students

- Class Representatives: Two students from each class who exhibit certain leadership traits are being selected for the role of Class representative (CRs). The CRs represents student community in various college committees and provide adequate feedback related to various processes in the system.
- Student Clubs: Student centric clubs such as Literary, Cultural, Sports etc. led and managed by students provide platforms for grooming leadership skills among students.
- Event Managers: students are designated as event managers and coordinators for major events such as the Sannilan techno-cultural



festival. Students also assist the faculty in organizing institute level events such as conferences, workshops giving them valuable exposure.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

Administration of the college is largely decentralized. Heads of Departments are responsible for the overall development of their departments. Faculty members are made to partake in the administrative and operational aspects of the institute through membership in committees. The management is always accessible for consultation and advice.

To ensure the administrative decentralization, the proposals are generated at gross-root levels and are deliberated in the meetings to arrive at decisions. The committees are free to take decisions within the overall policy framework of the institution. Proposals which need intervention of the higher authorities are forwarded to the Director for approval.

The decisions taken by the Director or the management are implemented by various committees. Ultimately all the academic and administrative activities are reviewed by the management and committees to ensure the academic and administrative accountability of the institution. Thus, there is the right balance of the bottom-up and top-down management approaches.

Finally, most of the executive and operational communication is carried out over email for ensuring speed of execution and enhancing operational efficiency.

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

Yes, the college has always promoted participative management as a form of democratic governance as it believes it would result in creating an ambience favorable for overall growth of the institute. This is achieved by encouraging faculty, staff and students to contribute through participation at various levels and forums such as:

- The Planning and Academic Affairs committee formulates all execution-related and operational plans for the institution. This committee comprises all Heads of Departments besides the leadership team and senior faculty members.
- Fifteen Committees overseeing different operational aspects of the



institute functioning are the best example of participative management in action. At any given point in time almost 90% of the faculty and support staff is involved in at least one committee. These committees define their own plans and are completely responsible for executing them

- Senior faculty members and Heads of Departments serve on apex-level bodies of the institution such as the Managing Committee, Selection Committees, Board of Studies from time to time providing ground-level inputs for better decision making
- Students are made part of several committees to try and encourage their participation by giving them a voice in many aspects of institute's functioning

6.2 Strategy Development and Deployment

6.2.1. Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes, the institute has a formal quality policy articulated as follows:

- To impart high quality engineering and professional education, training and promote research in approved and emerging disciplines at par with the national and international standards with a view to develop high quality, trained, competent, knowledgeable and professional/technical manpower and entrepreneurs in the above areas so that MIET can become one of the front ranking institutions for professional and technical education on the principles of self-reliance, clear accountability, planning, coordination, collaboration, innovation, resource sharing and inter-disciplinarily;
- To follow the process approach and to continuously review suitability of organizational set up, quality policy, achievement of quality objectives and implementation of Quality Management System as per the requirements of ISO standards.

Based on the vision and mission of the institute and inputs from various stakeholders, the quality policy was drafted. The institute is ISO 9001:2008 certified. All academic and administrative activities are formalized as ISO processes. A Quality Manual is prepared to document the quality objectives, processes and standard forms and is in the custody of the Quality Assurance Officer. Process owners are identified with these processes and quality objectives (responsibilities) are assigned to them. These processes are audited once in every semester by certified internal auditors. The outcome of the audit is presented in the form of Non-Conformities (NC) and observations.



Corrective action is effected by NC closure activity. Annual Management Review Meeting (MRM) is conducted to verify whether the quality objectives have been achieved and whether some interventions are needed. Equilatas, the international ISO certification body carries out yearly surveillance audit for continuity of the ISO certification.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes, the institution has a strategic plan which outlines the perspectives for future growth while defining core areas of focus and deriving competitive advantage. This plan has been arrived through significant brainstorming at all levels and after considering a diverse set of elements which include:

- Environmental Analysis including socio-politico-economic scenario in J&K
- Stakeholder perceptions and expectations
- Competitive landscape analysis
- Regulatory framework provisions
- Market dynamics
- SWOT analysis of the institution
- Resource availability and mobilization

The institution realizes that the current period is a challenging one for the private sector especially in higher technical education. Hence, the perspective plan has been modified to reflect these changed realities. The institution has reoriented itself towards quality and sustenance over expansion in the near term.

6.2.3 Describe the internal organizational structure and decision making processes

a. Board of Directors

The Board of Directors is the apex management body of the institution and meets once a quarter to review its functioning. The BoD comprises top academicians including three former Vice Chancellors of State Universities besides other luminaries. The BoD accords approvals to all major policy decisions of the institute.

b. Managing Committee of MIET

The Managing Committee of the institution is setup under provisions of the University of Jammu which is the affiliating university. It meets twice a year



to review the strategy for the college and oversee its functioning and growth. The Chairman of MIET is the Chairman of the Managing Committee, which comprises Professors, Officers from the Jammu University, Nominee of the J&K State Govt. and members of staff and officers of MIET. The Director, MIET is the member-secretary of the Managing Committee.

c. Planning and Academic Affairs Committee

It is headed by the Director with all HoDs and senior faculty as members. It meets atleast two times a year to plan various academic activities including its annual/semester calendar. It oversees functioning of the departments and takes vital decisions to meet vision and mission of the college.

d. Other Committees

In addition to this, there are 15 other committees in the college which are headed by faculty members and in some cases have student members as well. These committees focus their attention on one specific process of the college, plan activities and ensure its implementation. They keep meeting periodically and take suitable decisions for effective implementation.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

• Teaching & Learning

In order to enhance quality in teaching and learning, the institute has adopted a student-centric approach. The institute recruits qualified and experienced faculty according to norms specified by the regulatory bodies. Student feedback is taken twice a semester on the quality of teaching-learning which is utilized for improving the process. Other initiatives taken for enhancing and sustaining quality of teaching learning processes in the institute are as follows:

- Faculty Development Programs for continuous skill and knowledge enhancement of the faculty are organized in house and also nominated to attend FDP in other institutions.
- Good quality infrastructure and ambience is provided for effective teaching-learning.
- High speed internet facility for students and faculty is provided to facilitate access to e-learning resources Recently the institute has tied up with Reliance Jio to provide free wi-fi 4G internet access to students to enhance student experience even further.
- Inputs beyond curriculum and self-learning components are introduced in teaching-learning to expose students to recent trends in the domain of study.



- Remedial classes are conducted for students to bring them at par with the learning of other students.
 - Guest lectures/seminars/workshops are arranged for both faculty and students on a regular basis.
 - Adoption of IT and ICT initiatives to strengthen teaching-learning process. Google Classroom has been adopted by all faculty members to share digital content and build student engagement beyond the classroom.
 - Classroom evaluation by experts ensures that real-time feedback is given to faculty members to enhance quality of teaching.
 - Evaluating Teaching Effectiveness program has been initiated wherein faculty members with less than 5 years of experience make presentations in front of a panel of subject experts who rate them and provide feedback for further improvement.
 - Workshops on enhancing teaching effectiveness by experts from MIER College of Education.
 - Experiments with new teaching pedagogies such as flipped classroom ensure that a freshness in teaching approach is maintained.
 - The institution has recently brought on board adjunct faculty who are industry experts. These experts are expected to deliver parts of the curriculum and beyond greatly enhancing the effectiveness of the teaching-learning process. The impact of this program will be evaluated on an on-going basis.
- **Research & Development**
- Research Promotion Scheme (RPS) has been promulgated to provide financial incentives to faculty members for publishing research papers, filing patents or undertaking sponsored projects, besides providing financial support to attend conferences.
 - Research, Projects and Publications Committee of the college is tasked with fostering a culture of research and innovation by broad-basing research at the institution level.
 - Gyan-Badhao sessions are organized to promote knowledge-sharing among faculty members and facilitate inter-disciplinary ideation.
 - Research skills workshops by leading experts are organized for MIET faculty.
 - Innovation workshops, patenting workshops are a regular feature at the institute for both faculty and students.



- The institute publishes the International Journal of Next-Generation Computing (IJNGC) jointly with UMKC, USA which is indexed by Thomson Reuters under Web of Science.
- **Community engagement**

MIET has an NSS unit with over 100 volunteer students as its members at any one time. These students are very active in organizing programs which help the community as well as create awareness amongst the students, faculty and the society about our responsibility towards the society. Following activities are generally undertaken to bring in community orientation:

- Organizing blood donation camps
- Spending time with the old and infirm people by visiting Old Age Homes
- Spending time with the less fortunate children by visiting the Orphanages and SOS Children's Village, organizing games for them and donating items required for them
- Involving prominent civil society members, NGOs and social workers in the activities of the NSS committee.
- Organizing AIDS Awareness programmes with the help of AIDS Control Society.
- Organizing programmes on World Earth Day by conducting seminars and undertaking tree plantation drives.
- Conducting special events related to sexual harassment, anti-ragging, women empowerment and entrepreneurship, spiritual awareness etc.

In organizing the above programmes, the govt. departments and NGOs who are also being co-opted are Directorate of Forestry, J&K AIDS Control Society, Directorate of Environment and Remote Sensing, Department of Blood Transfusion, Govt. Medical College, Vichar Kranti Manch, Van Sampada, CII, PHDCCI and a host of media channels, both print and electronic.

- **Human Resource Management**

MIET management believes that faculty and staff are the backbone of the institute and that its success depends on the quality of human resources. Therefore, the objectives of human resource management are focused on maximizing employee performance. Priority is given for recruitment of suitable, competent faculty, training them to meet their teaching objectives, helping them realize their potential, rewarding high performing faculty and



supporting all faculty members for professional growth. In addition:

- Training is arranged for teaching as well as nonteaching staff by identifying training needs, for enhancing professional competencies, teaching and soft skills.
- Service rules are transparent and benefits like Provident Fund, Gratuity, Group Accidental Insurance Scheme, are provided to employees.
- Interest free loan against CPF is provided to all staff members for their financial needs.
- Mentoring and coaching programs are conducted for faculty members to help them realize their potential and achieve career progression.

Industry interaction

As part of the quality improvement strategy and to bridge the gap between academia and industry, regular interaction with the industries is established through meetings, guest lectures, internships, projects and industrial visits. In order to enhance industry interaction, the following strategies are implemented:

- Industry experts are invited to deliver content beyond syllabus and make students aware of contemporary issues and engineering practices adopted in the industry.
- Students are provided industry exposure through internships in industry, industry visits and enable them to pick up skills besides what is being imparted in the classrooms.
- Setup specialized laboratories and centers supported by the industry to provide in-house access to industry-relevant technologies and enable students to build competence on them.
- Increased interaction with the local industries to understand their expectations in terms of knowledge and skill requirements in a graduating engineer
- Foster interaction with industry associations/bodies such as Confederation of Indian Industry (CII), PHD Forum and Ministry of Small, Medium and Micro Scale Industries (MSME) for building a strong network with industry.
- To involve industry experts in the teaching-learning process by inviting them to serve as members of Departmental Advisory Boards (DAB) and adjunct faculty.



6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

- The Director maintains a regular contact with the management on daily basis through email and personal meetings highlighting different aspects of the institutional functioning.
- The Director has a mandate to attend high quality events in both industry and academia, bringing back best-practices and observations which could be assimilated at the institutional level. These are discussed, customized and implemented at the institution.
- The departments log data pertaining to all performance indicators in the PI-360 analytics framework which has been developed in-house at MIET. The performance indicators are available for review by the management, giving quick insights into the performance of the individual faculty, departments and the institution.
- The Director makes detailed presentations to all University teams, during Managing Committee meetings, during Management Review Meeting (MRM) and to the Board of Directors where all relevant information is placed for informed decision making and approvals.
- Further the Director oversees the dissemination of information through the print and online media, social media, institutional website among other forums so that the institutional achievements and efforts can be appreciated by the community at large.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The institutional processes are communicated to all the staff members through various orientation programs throughout the year. Further, the management addresses the staff members through the Town Hall meet wherein institutional progress is reviewed and the agenda set for the coming session. Staff members play active roles in various committees which look after specific processes as outlined in the institution's quality manual. At any given point in time 90% of the staff is a part of atleast one committee, thus becoming involved in delivering operational efficiency for the institution and ensuring process compliance.

Finally, the staff members are involved during the admission process, registration process for each semester, performing examination supervisory



duties and conducting guidance and counseling sessions for students besides several other administrative matters. Thus, the institutional processes can be executed satisfactorily only due to the deep involvement of all staff members.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The following resolutions were made by the Management Council in the meeting held in 2015:

S.No	Resolutions	Status
1.	To consider the confirmation of the minutes of the meeting of the Managing Committee held on 19/9/2015	Implemented
2.	To consider the matter regarding grant of approval to the appointment of Director, MIET	Implemented
3.	To approve recommendations of Selection Committees for appointment of faculty in various departments	Implemented
4	To consider report on grant of Civil Engineering Branch	Implemented
5	To consider status report on readiness of Academic Block-D	Implemented
6	To approve report on status of 260 seater auditorium in Academic Block-D at MIET	Implemented
7	To approve establishment of Laboratory and purchase of books for Civil Engineering	Implemented
8	To approve signing of MoUs with Aurel Vlaicu University of Arad, Romania and EMC	Implemented
9	To approve procurement of library books for MIET	Implemented

Table 6.2 Details of resolutions made by Management Council

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If ‘yes’, what are the efforts made by the institution in obtaining autonomy?

The University of Jammu has accorded permanent affiliation, which is a precondition for grant of autonomy, to only 2 private institutions since 1981.



However, after years of efforts and follow-up, the institution has been recently inspected by the University of Jammu for grant of permanent affiliation and the final approval of the University is awaited. Once the permanent affiliation is received, the institute plans to follow-up with the UGC for grant of autonomous status to the institution.

It is pertinent to note that MIER College of Education a sister organization of MIET has become the first and only private institution under University of Jammu to be accorded autonomous status in 2015.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

The college has a Grievance Redressal Committee comprising senior faculty and administrative staff as per the provisions of the AICTE. The committee has published widely the email ids and phone numbers of its members. These details are also available on the institution's website.

The management is also sensitive to grievances of the staff and the students and accords the highest priority to resolving these grievances in a transparent and time-bound manner.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

The institute collects regular feedback from the students both formally and informally. An action-taken report is prepared in response to student feedback and shared with the students. Some of the major outcomes of this process have been:

- Based on the student feedback, decisions have been taken to develop additional infrastructure through laboratories upgradation, provisioning of computers, better wi-fi infrastructure, additional power back up, cost-effective transportation services, improvement of canteen services among others.
- Student feedback on faculty members is used to provide constructive



feedback to the faculty to help improve their engagement with students.

- Initiation of value-added courses is based on the feedback received from students to introduce more industry-relevant courses.
- Better placement opportunities are created for the students through various assessment tests like AMCAT, Wheel-Box, LinkedIn for placements etc.

6.3 Faculty Empowerment Strategies

6.3.1. What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

A. Teaching Staff

- Teachers are encouraged to pursue higher studies. In the last five years year, three faculty have completed Ph.D. and 10 teachers completed M.Tech programmes. Currently, 10 faculty members are pursuing PhD in various disciplines.
- Faculty members can avail of a yearly scholarship of Rs. 15,000 for higher studies and Rs. 10,000 for purchase of books/journals during higher studies. They are also treated on official duty for any period that they might need to be away from the institution.
- Under the Research Promotion Scheme (RPS) the institute provides up to Rs. 10,000 (ten thousand only) per year to each faculty member to enable them to register for and attend conferences. Being a self-financed college, this is a big commitment from the management to promote research.
- For each research paper published, the faculty is provided monetary incentives ranging from Rs. 1500 (conference paper) to Rs. 4000 (for international journals) to encourage research. Financial incentives for patents, projects and consultancy are also covered under the RPS.
- Teachers are also deputed for in-service training to external agencies such as NITTTR, Chandigarh and other Universities to gain exposure to new technologies in emerging areas. A range of Faculty Development Programs (FDPs) are organized within the college to support continuous knowledge and skill development of the faculty.
- The faculty is provided mentoring and coaching by the leadership team to build great careers in academia. Motivational sessions are organized from time to time. Sessions on developing leadership skills and management development programs for senior faculty are also



organized.

B. Non-Teaching Staff

- The institution encourages the non-teaching staff to pursue higher education under the same policy for teaching staff. Currently, 5 non-teaching staff members are pursuing higher education in various disciplines.
- Non-teaching staff are also encouraged to attend the same knowledge and skill development programs organized for the faculty members.
- Specific training and orientation programs for non-teaching staff are organized before the start of each session.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

The institute believes in providing an environment conducive to the professional and personal growth of faculty while empowering them to strive for excellence. Some of the measures adopted by the institute are:

- Identifying training needs based on industry-trends and expectations, additions/revisions to curriculum and emerging research areas.
- The identified training needs are planned to be met through internal training or external programs/FDPs/Seminars/Workshops at institutes of repute or partners from the industry.
- Orientation programs/induction programs are conducted for newly joined faculty to acquaint them with academic and administrative processes adopted for realizing the institute's vision and mission.
- Regular meetings, informal discussions, motivational sessions, coaching and mentoring bring clarity and motivate faculty to discharge their roles and responsibilities effectively.
- Advanced Mentoring Programme (AMP) was conceived and executed to develop the second line of leadership at MIET.
- Management Development Programme (MDP) is conducted for the Heads of Departments to improve management skills and enhance departmental performance and efficiency.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is



appropriately captured and considered for better appraisal.

The performance assessment of the faculty and staff (technical and non-technical) of the various departments/sections of the college is a continuous process and is done periodically. Some elements of the appraisal process are:

- The appraisal process is automated to a large extent, wherein faculty performance is captured on a multitude of parameters, analyzed and benchmarked against peer performance. The faculty performance index is computed and year-over-year performance is automatically analyzed.
- Student feedback and peer feedback is collected for each faculty member.
- Regular classroom visits are utilized to assess the teaching effectiveness and evaluate in-classroom performance of the faculty.
- Performance of the individual faculty member is also assessed on the basis of University results of the subjects taught by the faculty.
- Annual Performance Appraisal Report for each faculty is submitted by the concerned Head of the Department, which includes a self-appraisal section by the faculty.
- For each faculty member feedback is also provided by the Director Academics and the Director.
- Finally, the faculty reviews the feedback and signs on the appraisal report to complete the loop.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The management uses the Performance Appraisal Report for:

- Giving incentives (additional increments) for the consistent good performers.
- Giving Research Awards to those who publish/present papers in the journals/conferences.
- Apprising faculty as honestly and sincerely as possible about the shortcomings in their performance and providing constructive inputs to improve that performance.
- Follow-up administrative procedures are initiated as and when required.



The stakeholders receive a copy of the appraisal report which they also sign. The appraisal is discussed with the faculty individually by either the Director Academics or the Director or in some cases by both. The appraisal reports are made a part of the employee's service file.

6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- Coverage of all employees under group insurance scheme.
- A customized contributory provident-fund scheme approved by the Government, which offers more benefits and faster processing of claims.
- Free transportation service.
- Interest free loans against CPF as per requirement.
- Subsidized fee for wards of employees in Model Academy school, run by the management of MIET.
- Support for higher education and research.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

MIET is an equal opportunity employer offering a vibrant working environment for faculty based on the principle of ensuring respect and dignity of every individual. Some of the specific strategies for attracting and retaining eminent faculty are:

- Competitive salary based on qualifications and experience
- Actively reaching out to prominent faculty members retiring from the State Universities or Technical Institutions.
- Providing complete autonomy for faculty members to operate and achieve departmental/institutional goals.
- Transparent and quick appraisal process.
- Faculty with experience in R&D or exposure to industries, corporate sector are provided higher emoluments.
- A transparent promotion policy is in place which allows for career progression and development.
- Faculty is sponsored for higher education, provided monetary



incentive for producing research papers, sponsored to attend conferences etc.

- Faculty is given easy access to higher authorities through open-door policies.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

Institute has made the necessary provisions in the books of accounts towards efficient use of available funds for each academic year. The college has a well formulated financial policy which ensures effective and optimal utilization of finances for academic, administrative and development purposes. Towards this end, every year, the budget is prepared centrally well in advance after taking into consideration the requirements of every department coupled with the strategic objectives of the institution.

The budget is reviewed by the management and approved after necessary changes. As and when required, the institute makes a provision for advance/additional funds. The Board of Directors approves the annual expenditure, scrutinizes the balance sheet and provides feedback for further optimal use of financial resources.

Financial audits are conducted by a certified auditor every financial year to verify the compliance with established financial processes.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

Yes, an internal auditor does the internal audit of the college accounts at the end of every financial year. Chartered Accountant Mr. Deepak Sehgal who has been duly authorized by the Board of Directors conducts the annual audit of the college. Chartered Accountants R. C. Gupta and Company do the statutory audit of the college. The audits are conducted as per standard procedures prescribed for the purpose. No audit objections have been raised during the last two years.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.



The college does not get any financial aid from the government. The college generates all revenues through the tuition fees and other charges from the students enrolled in different courses.

Audited Income and Expenditure Statements are provided as Annexure N.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any)

In addition to available funds from student fees for any requirement, the institute takes efforts for securing additional funding through various government agencies. In the last five years, the institute has obtained funding of around Rs. 70 Lakhs from various funding agencies such as the AICTE and DST. This funding has been utilized to primarily develop laboratory infrastructure and augment existing facilities.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a) **Has the institution established an Internal Quality Assurance Cell (IQAC)? If ‘yes’, what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

Yes, the institution has established an IQAC as per provisions of NAAC after the first accreditation cycle. The institution obtained ISO 9001:2000 certification in 2006. “Quality” is an element of the strategic plan of the institution which was promulgated in 2013. The institution is the only NAAC accredited engineering college in the state of J&K. Two departments of Computer Science and Engineering (CSE) and Electronics and Communications Engineering (ECE) were also accredited by the National Board for Accreditation (NBA) from 2008-2011. No other technical institution under the ambit of the University of Jammu has volunteered for accreditation till date. The institution is now in the process of upgrading its ISO certification to the latest ISO 9001:2015 standard. Further, to demonstrate its commitment to quality improvement, the institution has conceived and developed the patent-pending, multiple award-winning Performance Insight 360 software analytics framework to transparently measure and track institutional progress on quality objectives.

Thus, quality assurance is a designated priority area for the institution with a full-time Quality Assurance Officer reporting to the Director looking after this important function. Senior faculty members serve on



the IQAC and help in ensuring that the institution remains aligned to its core values and quality objectives at all times.

b) How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were implemented?

All decisions/recommendations of the IQAC are approved by the management for implementation during the Management Review Meeting in which the IQAC report with findings and recommendations is tabled. The IQAC in consultation with the Director has the necessary autonomy to manage the quality processes of the institution and make all interventions as required.

c) Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Yes, the IQAC has external members on its committee.

The composition of the IQAC committee is given below:

- Prof. Ankur Gupta (Chairperson)
- Dr. Renu Gupta (Vice Chairperson, MIER)
- Dr. Adit Gupta (MR)
- Prof. S. K. Sharma (Director Academics)
- Mr. Joy Ganjoo (External Expert, MD Lotus Industries)
- Ms. Ruksana Salathia (Convener)
- Mr. Sahil Sawhney (Alumni)
- Mr. Shafqat Shamim (System Manager, MIER)
- Ms. Ruchi Sharma (QAO, MIER, External Expert)
- Mr. Pranav Gandotra (Manager HR, MIER, External Expert)
- Mr. Salim Qureshi (HoD, CSE)
- Ms. Taru Mahajan (HoD, ECE)
- Dr. Nitin Langer (HoD, EE)
- Mr. Dhruv Kumar (HOD, IT)
- Prof. G. S. Sambyal (MCA)
- Brig. P. N. Sharma (HoD, MBA)
- Ms. Arti Kotru (HoD, MCA)



- Ms. Ridham Gupta (Admin)
- CR's from final year students of various streams.

d) How do students and alumni contribute to the effective functioning of the IQAC? How does the IQAC communicate and engage staff from different constituents of the institution?

Student representatives are included in IQAC, providing a platform for sharing their inputs. However, some aspects of the IQAC which deal with sensitive information pertaining to individual/institutional performance are kept outside the scope of student participation. Alumni do not contribute directly to the functioning of IQAC.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalization.

The IQAC Cell under the leadership of the Quality Assurance Officer and with the active support of the different committees oversees all academic and administrative processes from a quality perspective. The QAO is part of all academic and administrative meetings at the highest level and members of the IQAC are faculty and staff members who routinely perform academic and administrative roles. Further, the fifteen committees include faculty and staff from different administrative wings to ensure equal participation and contribution. During internal audits, the administrative units are also audited along with all academic units (departments and the library) for compliance. Thus, quality assurance is a holistic, integrated process at MIET encompassing all functional and operational areas.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

Yes. Training is given to teaching and non-teaching staff to ensure effective implementation of quality assurance processes and procedures. The institute is ISO 9001:2008 certified. Periodic training is given to identified faculty and staff members for becoming certified internal auditors. Two members of the staff, the Quality Assurance Officer and Manager Strategic Initiatives are also certified as International Lead Auditors. The internal auditors assist the IQAC in conducting internal audits once every semester to ensure effective implementation of quality processes.

Induction training programs are held for newly inducted faculty to align them to institutional quality objectives. IQAC monitors effectiveness of the defined



processes through periodic audits, reviews and stakeholder feedback analysis. The effective implementation of quality assurance processes has resulted in increased student/faculty satisfaction, enhanced output and outcomes and overall higher achievement levels for the institution.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?

As part of the ISO 9001:2008 certification process, the institute undergoes external surveillance audit which covers all academic processes. The feedback from the external auditor is used to fine-tune the processes or effect interventions as required.

The institution is fortunate to receive support from the MIER College of Education, a sister organization, an Autonomous institution with status of College with Potential for Excellence and a two-time NAAC ‘A’ grade accredited institution. Two senior faculty from the MIER College of Education are NAAC Assessors having been a part of several NAAC peer teams. These faculty members frequently visit the institution and review the academic functioning of the institution, providing detailed feedback for continuous improvement. This has greatly helped the institution in improving its overall quality.

Finally, the institution is frequently inspected by expert teams from the J&K State Govt. and the University of Jammu comprising both internal and external experts for grant of yearly affiliation. As part of these inspections, the academic functioning and performance of the institution is critically reviewed and formal feedback provided for necessary remedial action.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The college IQAC has been setup under guidelines from NAAC post the first accreditation cycle. It updates itself regularly with the new mechanisms/requirements of external quality assurance agencies/regulatory bodies through their circulars/ notifications and updates on their websites.

The institution intends to align itself with the requirements of multiple accrediting/certification agencies such as NAAC, NBA, ISO etc. To effectively meet the requirements of these agencies, the institution has internally developed the Performance Insight 360 quality analytics software, a major innovation in the domain of quality assurance. The PI-360 software is an accreditation-agnostic representation of data representing institutional



performance on a wide-variety of parameters. This allows the institution to manage its quality effectively while devising strategies for quality improvement based on solid data and insights. On-demand reports ensure that the data required by each accrediting agency is generated at one-click and in real-time making it easier to comply with the requirements of multiple external agencies.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The Director, Dean Academics, Heads of Departments and Academic Coordinators of the departments continuously review the teaching-learning process in the institute. Before commencement of the term, the academic calendar is prepared. Faculty prepares course plans for the semester and all the coordinators ensure that the plans are executed as per the calendar and time-table. Heads of Departments undertake regular classroom visits and academic coordinators monitor class-wise, faculty-wise and subject-wise conduct of lectures and practicals. Additional steps taken by the institute to review teaching learning process are as follows:

- Random classroom visits by Director, Director Academics and Dean Academics
- Periodic review of syllabus covered in departmental meetings and documented in the faculty monthly reports.
- Assessment and review of academic performance of students in both internal and external examinations.
- Monthly meetings with class representatives by the Dean Academic Affairs.
- Tea with the Director program under which selected students meet the Director over a free-wheeling discussion on various academic and administrative matters including providing feedback on effectiveness of the teaching-learning process.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The institution communicates its quality assurance policies, mechanism and outcomes to stakeholders through several forums including:

- Board of Directors's Meetings



- Managing Committee Meetings
- Management Review Meetings
- Town Hall Meets
- University and State Govt. inspections.
- Weekly meetings with Heads of Departments
- Departmental Meetings.
- Meetings with Class Representatives.
- Through college-website, mobile application and social media channels
- Through Performance Insight 360, quality analytics software which is accessible by each stakeholder.
- During Parent-Teacher meetings.
- During Alumni meetings.
- Informal interactions with stakeholders
- Press releases and media coverage



CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

The college is located in an area of 25 acres in the *kandi* belt of J&K region devoid of sufficient rain. However, by digging a bore well up to 450 feet deep, water was extracted and large scale plantation of trees, shrubs and grass was undertaken. Its Green audit was conducted during 2016 and tree census was carried out. Other aims of the Green Audit were as under:

- To study the environmental system in the campus and find out gaps in relation to the parameters set out in ISO 14000:2014
- Prepare a plan to improve the campus ambience, reduce the carbon foot print and adopt green practices

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

- Innovative Energy Saving Methods
 - Incandescent lamps have been replaced with CFLs and LED lamps thus saving hundreds of kilowatts of electric energy. Even LCD monitors of computer systems have been replaced with LED monitors.
 - Air conditioners with ratings of 3-star and above are used which save a lot of electricity. In the newly commissioned 250 seater auditorium ACs of 5-star rating have been provisioned
 - Innovative techniques have been used to reduce the inside temperature of the top floor staff rooms, library etc. during summers. Simple low cost white washing of roof tops reduces the inside temperatures by around 60 C.
- Use of Renewable Energy
 - The CCTV cameras installed to cover external areas in campus use solar panels to charge their batteries.
 - Plan for installation of 70 KVA solar power generator is submitted to the state agency and is pending approval.
- Carbon neutrality and Plantation: To improve of the carbon footprint of the institution, following actions have been taken: -



- Converting 30% of barren (kandi) land to an urban micro forest: In collaboration with the Department of Forests, J&K, students were involved in plantation of trees and creating an Urban Forest over the years. As on today, this forest comprises:
 - a. Number of tree of age 15 years and more - 700
 - b. Number of trees of age between 6 to 15 years - 1426
- As per data available from the Forest Dept., 2-4 full grown trees give as much as 700 kg of oxygen per year which is the need of an adult human being. Also, each tree removes around 20-30 Kg of undesirable CO₂ from the environment every year thus cleansing the air. Besides this it reduces the ambient temperature by around 5-6oC in surrounding areas besides providing shade.
- Making a medicinal plant park: About one acre of land has been earmarked for making a Medicinal Plant Park in the college. Accordingly, hundreds of Amla (*phyllanthus emblica*) saplings were sowed with survival rate of around 30%. As on today there are 25 trees which are around 10-15 feet tall and another 52 are 2-4 feet tall.
- Gardens and nursery: 1 acre of land has been earmarked for grassy patches including a nursery. Seasonal vegetables are sowed in the nursery which is used in the Girls' Hostel. Garden areas add to the beauty of the college besides improving carbon footprint. They also prevent soil erosion.
- Plantation Drives: NSS Committee of the college organizes regular plantation drives and save-the-trees drives periodically. Grown up trees which are likely to eaten away by termites are saved by anti-termite treatment and painting the lower portion of the trunk with calcium carbonate.
- Waste Management:
 - Hazardous materials like chemicals, paints, inflammable gases are segregated and kept separately. These are disposed-off under supervision of Campus Supervisor through vendors which specialize in their disposal.
 - E-waste are segregated and disposed-off as per the new E-Waste Management Rules which have come in force in the country since Oct 2016. J&K State Pollution Control Board has authorized two vendors for handling and disposing of E-Waste material. College deposits E-Waste material with them as and when e-waste is to be disposed:



- M/S Attero Recycling Pvt. Ltd, Ratnuchak, Puramanddal More, Jammu
- M/S Auctus E-Recycling Solutions Pvt. Ltd, Plot No: 105, Ward-6, Narwal, Jammu

Latest batch of E-waste comprising 40 thin-clients, 70 LCD monitors and 40 key boards were disposed-off in February, 2017.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

- A quality management framework named Performance Insight 360 has been designed and developed in house. This analytics software monitors, tracks and benchmarks the performance of all stakeholders providing insights into all aspects of institutional performance. It helps align all stakeholders with common quality objectives and institutionalize a culture of quality and performance at MIET. The software has won three national-level awards during 2016 from QCI, Ricoh and AICTE, DST and CII
- Research has been carried out on various subjects and 15 patents have been filed in the Indian Patents Office. The Center for Research, Innovation and Entrepreneurship was setup recently to involve students in advanced projects, bring out publications and support entrepreneurship activities. The center has developed two major projects, incubated 1 IT product and developed 3 mobile applications in the last 3 years.
- Google for Education suite has been adopted by the institution to provide access to world-class applications for all stakeholders. Specifically, each stakeholder is provided an official email ID with 10 TB of free storage besides access to the Google Classroom application facilitating engagement beyond the classroom.
- students from CSE got enrolled to the MS program in University of Missouri-Kansas City (UMKC) under the first-of-its-kind MoU in J&K signed between MIET and UMKC. For all MIET students UMKC has agreed to waive off GRE-requirements and provides guaranteed tuition-fee waiver.
- Tea with the Director program initiated wherein over 420 students have met the Director in small groups and shared their feedback and



received important information from the Director. Extremely positive feedback from the students indicates that the program is a big success.

- Town-Hall meets with the staff were introduced to allow management to interact with the whole staff on a regular basis to review institutional progress, discuss environmental updates, share success stories and outline future directions envisaged for the institution.
- Social media approach has been strengthened through Facebook, Instagram, Twitter and Google+. This has created a very positive impact among all stakeholders as community-wide recognition of individual and group achievements is made possible.
- MIET got empaneled under Pradhan Mantri Kaushal Vikas Yojana with a view to make a contribution in the skill development area.
- Online attendance and internal assessment through ERP system was introduced for streamlining operations.
- Weekly HoDs meetings were started for increased coordination and quick decision making.
- Evaluating Teaching Effectiveness program initiated for the faculty having overall experience below 5 years with a view to enhance effectiveness of teaching-learning process.
- An innovative Advanced mentoring Programme was introduced in which 11 young leaders selected among the faculty were groomed for one year to develop a strong second line of leadership.
- A book “Shreshth: The Pursuit of Excellence” written by the Director is shared with the students and forms the basis of a motivation cum guidance and counselling sessions for the students to create a winning strategy to maximize returns from college.

7.3 Best Practices

7.3.1 Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Best Practice No. 1

- **Title:** Performance Insight 360: Quality Analytics Framework at MIET
- **Goal:** To enhance quality, performance and achievement levels of all stakeholders and institutionalize a culture of high-performance in the



institution

- **The Context:** Using ICT to enhance governance and improve institutional performance.
- **The Practice:** A cloud-based quality management software which automates many aspects of quality assurance and provides each stakeholder with a dashboard of their cumulative performance.
- **Evidence of Success:** Year-over-year improvement in institutional performance index and achievement levels leading to best admissions in the region.
- **Problems Encountered and Resources Required:** Getting stakeholder buy-in and ensuring usage. Created process interventions to ensure compliance, leading to PI-360 becoming ingrained in day-to-day working of the institution. Resources required are a cloud-based Virtual Private Server to deploy the solution and ensure 24x7 uptime.
- **Notes:** Performance Insight 360 which is an analytics framework for managing quality at the individual, group and institutional level. Two patents have been filed at the Indian Patents Office by the Centre for Software Development at MIET encompassing this invention. Three national-level awards received by PI-360 are testament to its innovation.

(h) Contact Details:

Name of Director: Prof. Ankur Gupta
 Name of Institution: Model Institute of Engineering and Technology
 City: Jammu
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 Accredited Status: Accredited

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Best Practice No. 2

- **Title:** Research Awards and Research Promotion Scheme.
- **Goal:** To create a culture of promoting quality research at MIET
- **The Context:** Research is an integral component of higher technical



education, but producing quality research output remains a challenge. For an institution, such as MIET, which offers primarily undergraduate courses in Engineering, getting research activities off the ground required an innovative strategy to be formulated.

- **The Practice:** The Research Promotion Scheme at MIET provides financial incentives to faculty and students for their research output besides providing financial support in attending conferences, paying registration fees etc. The Annual research awards recognize the researchers and help celebrate individual/group achievements.
- **Evidence of Success:** 450+ research papers published by faculty till date with 60% in international journals and conferences, 15 patents filed, 2 IT products incubated, 3 mobile applications developed.
- **Problems Encountered and Resources Required:** Overcoming inertia, creating awareness about benefits of research in career development and growth, creating a budget for research and demonstrating institutional commitment to research, low fee structure was a hindrance in creating facilities/resources for research.
- **Notes:** This best-practice is unique to MIET in the state of J&K making it the only private institution which has a credible research output and culture which supports faculty research.

(h) Contact Details:

Name of Director: Prof. Ankur Gupta
Name of Institution: Model Institute of Engineering and Technology
City: Jammu
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Part 3: Evaluative Report of the Departments

Electronics and Communication Engineering

1	Name of the Department	Electronics and Communication Engineering	
2	Year of Establishment	1999	
3	Name of the Programmes	B.E Electronics & Communication Engineering	
4	Names of Interdisciplinary courses and departments involved	Elements of Electrical Engineering and Network Analysis	Electrical Engineering
		Industrial Management	MBA
		Programming language	Computer Science & Engineering
		Thermal Engineering	Mechanical Engineering
		Engineering - Mathematics, Physics and Chemistry	Applied Sciences and Humanity
5	Annual/ semester/choice based credit system (program wise)	Semester	
6	Participation of the department in the courses offered by other departments	<ul style="list-style-type: none"> • Electronics Engineering • Communication Engineering • Microprocessor 8085 	
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	NA	
8	Details of courses	<ul style="list-style-type: none"> • Computer Organization and Architecture 	



	discontinued (if any) with reasons	<ul style="list-style-type: none"> • Electronics Circuit Design with ICs. <p>Reason: As per feedback from various stake holders on the relevance of these in the current scenario, the BoS decided to discontinue these courses</p>
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9	Number of teaching posts	
	Sanctioned	Filled
Professors	2	1
Associate Professors	4	0
Asst. Professors	18	20

10	Faculty profile with name, qualification, designation, specialization				
Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Prof. S K Sharma	M.Tech	Professor	Communication Engineering.	45	Nil
Mr. Jamini Sharma	M.Tech	Assistant Professor	Communication Engineering and Information systems	14.8	Nil
Dr. Radhika Khanna	Ph.D.	Assistant Professor	Speech processing	14	Nil
Ms. Taru Mahajan	M.Tech	Assistant Professor	Communication Engineering	13	Nil
Ms. Meena Kohli	M.Tech	Assistant Professor	Digital Signal Processing	12	Nil
Ms. Gurpreet kour	M.Tech	Assistant Professor	Communication Engineering	10	Nil



Ms. Surbhi Sharma	M.Tech	Assistant Professor	VLSI design	8	Nil
Ms. Manouti Mahajan	M.Tech	Assistant Professor	WSN / HRM	8	Nil
Ms. Sonam Gupta	M.Tech	Assistant Professor	WSN	6.5	Nil
Ms. Gurpreet Raina	M.Tech	Assistant Professor	Antenna	6	Nil
Ms. Swati Sharma	M.Tech	Assistant Professor	Communication	6	Nil
Ms. Priya Manhas	M. E	Assistant Professor	Communication Engineering	5.6	Nil
Ms. Divya Sharma	M.Tech	Assistant Professor	Energy Management	5	Nil
Mr. Amit Kumar	M.Tech	Assistant Professor	Microwave	5	Nil
Ms. Bhavna Sharma	M.Tech	Assistant Professor	Analog Electronics	5	Nil
Dr. Satyendra Kumar Singh	Ph.D.	Assistant Professor	Micro and Nano Electronics	4.7	Nil
Ms. Ankita Gupta	PhD(Pursuing)	Assistant Professor	Communication Engineering	4.5	Nil
Ms. Neha Gupta	PhD(Pursuing)	Assistant Professor	Cryptography	4	Nil
Ms. Inderpreet Kour	M.Tech	Assistant Professor	R F Microwave	4	Nil
Mr. Sanjeev Sharma	Phd (Pursuing)	Assistant Professor	VLSI, Nanoscale Devices, Optoelectronic	3	Nil
Ms. Shruti	M.Tech	Assistant Professor	Radar Signals	1 month	Nil

11	List of Senior visiting faculty	Nil
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	0



13	Student Teacher Ratio	15.3:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	<ul style="list-style-type: none"> • Technical (sanctioned 6, filled 6) • Administrative (sanctioned 1, filled 1) • Central administrative office manages the administrative work for the department.
15	Qualifications of teaching faculty with Ph.D. and PG.	<ul style="list-style-type: none"> • PhD - 2, PhD.(Pursuing)-3 • PG - 16
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	0
17	Departmental projects funded by outside agencies	None
18	Research Centre /facility recognized by the University	NA
19	Publications: <ul style="list-style-type: none"> • Publication per faculty • Number of peer-reviewed journal • Number of publications in International Database • Citation Index • H-Index 	<ul style="list-style-type: none"> • 2.85 • 13 • 29 • 181 • 12
20	Area of consultancy and income generated	Nil
21	Faculty as members in national and international committees and editorial board	<ul style="list-style-type: none"> • International Committee-2 • National Committee-7 • Editorial Board-2
22	Student projects <ul style="list-style-type: none"> • Percentage of students with in-house departmental projects • Percentage of students placed for projects in organizations outside the 	<ul style="list-style-type: none"> • 100 percent • Nil



	institution ie .in Research laboratories/Industry/other agencies	
23	Awards/Recognitions received by faculty and students	<ul style="list-style-type: none"> • Faculty- 35 • Students-16
24	List of eminent academicians and scientists / visitors to the department	<ul style="list-style-type: none"> • Prof. P.C Pandey, IIT Delhi • Prof. Valentina E. Balas, UAV, Romania • Prof. Enrico Staderini, North-Western Univ. Switzerland • Prof. Marius Balas, UAV, Romania • Mr. Gautam Mahajan, CEO and Founder Interlink and Customer Value Foundation • Prof. Javed L. Khan , KSU, USA • Mr. K.R Suri, Ex-General Manager, PGCIL
25	Seminars/ Conferences/Workshops organized & the source of funding-	<p>Seminars/Conferences/Workshops</p> <ul style="list-style-type: none"> • World Telecommunication and Information Society day sponsored by ISTE • Workshop on Internet of things, Android, Spy Robotics, Animation, entrepreneurship organized through internal funding
26	Student profile programme/course wise:	<ul style="list-style-type: none"> • Male-197 • Female-150
27	Diversity of Students	As per the State Law the admission to the engineering program is restricted to the students of Jammu and Kashmir



28	How many students have cleared national and state competitive examinations such <ul style="list-style-type: none"> • GATE • State Services • Defense services • Banks/Other 	<ul style="list-style-type: none"> • 75 • 0 • 10 • 40
29	Student Progression <ul style="list-style-type: none"> • UG to PG • Employed • Self-Employment 	<ul style="list-style-type: none"> • 40 • 220 • 20
30	Infrastructural Details <ul style="list-style-type: none"> • Library • Internet • ICT Facilities • Laboratories 	<ul style="list-style-type: none"> • Central Library • Wi-fi and Lan availability • Yes • Well established laboratories (05)
31	Number of students receiving financial assistance from college, university, government or other agencies	30
32	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts	Special Lectures/Seminars-15 Workshops-15
33	Teaching methods adopted to improve student learning	<ul style="list-style-type: none"> • ICT • MooC • NPTEL/VLABS • Google Classroom • Flipped Classroom
34	Participation in Institutional Social Responsibility (ISR) and Extension activities	Yes as part of NSS programs
35	SWOC analysis of the department and future plans	
	Strength <ul style="list-style-type: none"> • Largest dept. of Electronics and Communication under University of Jammu 	Weakness <ul style="list-style-type: none"> • Less no. of PhD qualified faculty in the dept.



<ul style="list-style-type: none"> • Only NBA accredited dept. from 2008-2011. • Good Alumni profile 	<ul style="list-style-type: none"> • Low fee structure
<p>Opportunities</p> <ul style="list-style-type: none"> • Industrial Collaborations • Start M. Tech programme in ECE • Boost number of SCIE/Scopus indexed papers 	<p>Challenges</p> <ul style="list-style-type: none"> • Low Fee Structure • Unavailability of PhD qualified faculty in the region.

Future Plan:

- NBA accreditation in 2018
- Start M. Tech programme in ECE
- Setup Center of Excellence in Internet-of-Things



Evaluative Report of the Department

Electrical Engineering

1	Name of the Department	Electrical Engineering	
2	Year of Establishment	1999	
3	Name of the Programmes	B.E Electrical Engineering	
4	Names of Interdisciplinary courses and departments involved	EMT Analog Electronics, Power Electronics, Digital Electronics, Microprocessor, Electronic measurement and instrumentation Communication Engineering	ECE
		Organizational Behavior	MBA
		Computer Programming	CSE
		Engineering Mechanics, Engineering Drawing, Thermal Engineering and Industrial Engineering	ME (ASH)
		Hydraulics and Hydraulics Machine	Civil
		Mathematics, Physics, Chemistry and Communication Skills	ASH
5	Annual/ semester/choice based credit system (program wise)	Semester	
6	Participation of the department in the courses offered by other departments	<ul style="list-style-type: none"> • Basic Electrical Engineering • Network Theory Analysis • Electrical Machines • Transmission and Distribution • Control System-I and II • Basic Electrical Engineering 	



7	Courses in collaboration with other universities, industries, foreign institutions, etc.	NA
8	Details of courses discontinued (if any) with reasons	<ul style="list-style-type: none"> • Electronics Devices & Circuits- I • Electronics Devices & Circuits- II • Electronics Devices & Circuits- III Object oriented analysis and design OOAD • Electronics Measurement • Non-Conventional Energy Resources • P.C. Laboratory <p>Reason: As per feedback from various stake holders on the relevance of these in the current scenario, the BoS decided to discontinue these courses</p>

9	Number of Teaching Posts	
	Sanctioned	Filled
Professors	1	0
Associate Professors	2	1
Asst. Professors	9	10

10	Faculty profile with name, qualification, designation, specialization				
Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years



Dr. Nitin Langer	Ph.D.	Associate Professor	Power Electronics	15	02
Mr. N.K. Gupta	BE	Assistant Professor	Power Systems	36	Nil
Mr. Ankit Sharma	M.Tech	Assistant Professor	Embedded Systems	15	Nil
Mr. Amit Mehta	M.Tech	Assistant Professor	Energy Management	13	Nil
Ms. Monika Balgotra	M. Tech	Assistant Professor	Energy Management	10	Nil
Ms. Amarjeet Chopra	M. Tech	Assistant Professor	Energy Management	9	Nil
Ms. Anshu Khosla	M. Tech	Assistant Professor	Energy Management	6	Nil
Mr. Sartaj Singh	M. Tech	Assistant Professor	Power Engineering	3.6	Nil
Ms. Meghna Sharma	M. Tech	Assistant Professor	Power System	3	Nil
Mr. Bhanu Partap	M. Tech	Assistant Professor	Power System	0.6	Nil
Ms. Akshita Sharma	M. E	Assistant Professor	Power System	0.2	Nil

11	List of Senior visiting faculty	0
12	Percentage of Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	0
13	Student Teacher Ratio	16:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	<ul style="list-style-type: none"> • Technical (sanctioned 6, filled 6) • Administrative (sanctioned 1, filled 1) • Central administrative office manages the administrative work for the department.
15	Qualifications of teaching faculty with Ph.D and PG.	<ul style="list-style-type: none"> • PhD-1 • PG-9 • UG-1



16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	0
17	Departmental projects funded by outside agencies	0
18	Research Centre /facility recognized by the University	0
19	Publications: <ul style="list-style-type: none"> • Publication per faculty • Number of peer-reviewed journal • Number of publications in International Database • Citation Index • H-Index 	<ul style="list-style-type: none"> • 4 • 20 • 44 • 47 • 5
20	Area of consultancy and income generated	Design of Electrical Installations
21	Faculty as members in national and international committees	International Committees-1 National Committees-1
22	Student projects <ul style="list-style-type: none"> • Percentage of students with in-house departmental projects 	100 percent
23	Awards/Recognitions received by faculty and students	• Faculty-4
24	List of eminent academicians and scientists / visitors to the department	<ul style="list-style-type: none"> • Dr. Manohar Singh Katoch, CPRI Government of India, Bangalore • Dr. Surita Maini, SLIET Langowal • Dr. Mohd. Abid Bazaz, Electrical Engineering Department , NIT Srinagar • Mr. K.R.Suri, Ex General Manager of Power Grid Corporation of India, Northern Region-II



		<ul style="list-style-type: none"> • Prof. Praveen Lehana, AP Jammu University, Department of Physics and Electronics • Mr. Aditya Singh Charak, Flying Officer, IAF, Indian Air Force. • Mr. S.K. Chauhan, PGCIL India
25	Seminars/ Conferences/Workshops organized & the source of funding	
26	Student profile programme/course wise:	<ul style="list-style-type: none"> • Male-145 • Female-40
27	Diversity of Students	As per the State Law the admission to the engineering program is restricted to the students of Jammu and Kashmir
28	How many students have cleared national and state competitive examinations such <ul style="list-style-type: none"> • GATE • Civil/State Services • Defense services 	<ul style="list-style-type: none"> • 53 • 25 • 09
29	Student Progression <ul style="list-style-type: none"> • UG to PG • Employed • Self-Employment 	<ul style="list-style-type: none"> • 36 • 105 • 32
30	Infrastructural Details <ul style="list-style-type: none"> • Library • Internet • ICT Facilities • Laboratories 	<ul style="list-style-type: none"> • Yes • Yes • Yes • Yes
31	Number of students receiving financial assistance from college, university,	<ul style="list-style-type: none"> • Govt-53 • College-02



	government or other agencies	
32	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts	<ul style="list-style-type: none"> • Workshops-11 • Seminar/Guest Lecutres-12
33	Teaching methods adopted to improve student learning	<ul style="list-style-type: none"> • ICT • MooC • NPTEL • Google Classroom • Flipped Classroom
34	Participation in Institutional Social Responsibility (ISR) and Extension activities	Yes, as part of NSS programs

35	SWOC analysis of the department and Future plans	
Strength		Weakness
<ul style="list-style-type: none"> • Most preferred Electrical Engineering programme in private sector during admissions by BOPEE • Senior and experienced faculty 		<ul style="list-style-type: none"> • Less no. of PhD qualified faculty
Opportunities		Challenges
<ul style="list-style-type: none"> • Start M.Tech programme in EE. • Enhance number of SCIE/Scopus indexed papers 		<ul style="list-style-type: none"> • Unavailability of PhD qualified faculty. • Low fee structure

Future Plans

- NBA Accreditation in 2018
- Start M.Tech in Electrical Engineering
- Undertake applied research and consultancy
- Setup Center of Excellence in Renewable Energy



Evaluative Report of the Department

Computer Science and Engineering

1	Name of the Department	Computer Science and Engineering	
2	Year of Establishment	1999	
3	Name of the Programmes	B.E Computer Science and Engineering	
4	Names of Interdisciplinary courses and departments involved	Engineering Mathematics III Discrete Mathematics	Applied Sciences and Humanities
		Elements of Electrical Engineering	Electrical Engineering
		Analog Electronics Communication Engineering	Electronics and Communication Engineering
5	Annual/ semester/choice based credit system (program wise)	Semester	
6	Participation of the department in the courses offered by other departments	C programming	Applied Sciences and Humanities
		Computer Organization & Architecture C++ Programming	Electronics and Communication Engineering
		Digital Electronics	Electrical Engineering
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	BIG DATA /Storage Technology Foundation /Cloud Infrastructure and	EMC
		CCNA	Cisco
		RAD, DB2, IBM BlueMix	IBM



8	Details of courses discontinued (if any) with reasons	<ul style="list-style-type: none"> • EE-315 (Electrical Measurement) • ECE-411 (Electronics 2) <p>Two new computer subjects replaced above subjects on the approval of BoS of University of Jammu</p>
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9	Number of teaching posts	
	Sanctioned	Filled
Professors	2	1
Associate Professors	4	0
Asst. Professors	18	19

10	Faculty profile with name, qualification, designation, specialization				
Name	Qualification	Designation	Specialization	No. of Years of Experience (yrs)	No. of Ph.D. Students guided for the last 4 years
Prof. Ankur Gupta	Ph.D.	Professor	P2P Networks, Network Management and Cloud Computing	19	4
Mr. Salim Raza Qureshi	Ph.D Pursuing	Assistant Professor	Big Data	16.5	NIL
Mr. Manish Lamba	M.Tech	Assistant Professor	Data Mining	11	NIL
Ms. Mekhla Sharma	Ph.D Pursuing	Assistant Professor	Cloud Computing	10	NIL
Mr. Rishi Gupta	MS	Assistant Professor	Software Systems	10	NIL
Ms. Meenakshi Bhat	M.Tech.	Assistant Professor	Cloud computing	7.5	NIL
Ms. Sunali Mehta	M.Tech.	Assistant Professor	Artificial Intelligence	7	NIL



Mr. Pankaj Sharma	M.Tech	Assistant Professor	Cloud Computing	7	NIL
Ms. Anupama Padha	M.Tech	Assistant Professor	Distributed mobile computing	6	NIL
Mr. Atul Jamwal	M.Tech	Assistant Professor	Cognitive radio networks	4.5	NIL
Ms. Chahaat Gupta	Ph.D Pursuing	Assistant Professor	Image Processing	3.5	NIL
Ms. Shifalika Vijayal	M.Tech	Assistant Professor	Parallel Computation	3	NIL
Ms. Nikita Raina	M.Tech	Assistant Professor	Cloud Computing	2.5	NIL
Mr. Purnendu Prabhat	M.S	Assistant Professor	Network Management	1.5	NIL
Ms. Suparti Koul	M.Tech	Assistant Professor	Wireless sensor network	1	NIL
Ms. Manpreet Kour	M.Tech	Assistant Professor	Wireless sensor network	1	NIL
Ms. Kanica Sachdev	M.E	Assistant Professor	Image Processing	6 months	NIL
Mr. Mohit Mittal	Ph.D Pursuing	Assistant Professor	Wireless sensor network	3 months	NIL
Ms. Rasmeet Kour	M.Tech.	Assistant Professor	Cloud Computing	1 months	NIL
Ms. Niharika	M.E.	Assistant Professor	Network security	1 months	NIL

11	List of Senior visiting faculty	Prof. Vijay Kumar, UMKC, USA
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	0
13	Student Teacher Ratio	15.8:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	<ul style="list-style-type: none"> • Technical (sanctioned: 7, filled: 7) • Administrative (sanctioned: 1, filled: 1) • Central administrative office handles the administrative tasks for the department.
15	Qualifications of teaching faculty with Ph.D and PG.	<ul style="list-style-type: none"> • PhD-1, PhD (Pursuing) - 3 • PG-16



16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	Nil
17	Departmental projects funded by outside agencies	1
18	Research Centre /facility recognized by the University	Nil
19	Publications: <ul style="list-style-type: none"> • Publication per faculty • Number of peer-reviewed journal • Number of publications in International Database • Citation Index • H-Index 	<ul style="list-style-type: none"> • 4.05 • 32 • 54 • 300 • 7
20	Area of consultancy and income generated	Nil
21	Faculty as members: <ul style="list-style-type: none"> National Committee International Committee Editorial Board 	<ul style="list-style-type: none"> • 7 • 17 • 2
22	Student projects <ul style="list-style-type: none"> • Percentage of students who have done in-house projects including inter departmental/programme • Percentage of students placed for projects in organizations outside the institution ie .in Research laboratories/Industry/other agencies 	<ul style="list-style-type: none"> • 100% • 2 students are doing project with Singapore-based startup Breadcrumbs
23	Awards/Recognitions received by faculty and students	<ul style="list-style-type: none"> • Faculty-4 • Students-4
24	List of eminent academicians and scientists / visitors to the department	<ul style="list-style-type: none"> • Prof. Kevin Z. Truman , UMKC, USA • Mr. Nizar Ahmed , IIT Kanpur • Dr. Rajinder Joshi, Manager,



		<p>Wipro Technologies</p> <ul style="list-style-type: none"> • Prof. Vijay Kumar, UMKC, USA • Prof. S.K Jain., VC, SMVDU • Mr. Hridesh Kumar, Commissioner Secretary IT, J&K • Mr. Amit Sharma, MD SIDCO, J&K • Prof. Javed L. Khan, KSU, USA • Prof. Pankaj Jalote, Former Professor IIT Kanpur, Director IIIT-Delhi • Prof.I.K Bhat, Director, NIT Jaipur • Prof. Lalit K. Awasthi, Director, NIT Jalandhar • Prof. Dheeraj Sanghi, Former Professor IIT Kanpur 	
25	Seminars/ Conferences/Workshops organized & the source of funding	National Conference	AICTE
		National Conference	AICTE
		1 st CSI State Student Convention	CSI
		2 nd CSI State Student Convention	CSI
		3 rd CSI State Student Convention,	CSI
		4 th CSI State Student Convention	CSI
26	Student profile programme/course wise:	<ul style="list-style-type: none"> • Male-218 • Female-112 	
27	Diversity of Students	As per the State law the admission to the engineering program is restricted to the students of Jammu and Kashmir	



28	<p>How many students have cleared national and state competitive examinations such</p> <ul style="list-style-type: none"> • GATE • Civil Services • Defense services • Other 	<ul style="list-style-type: none"> • 35 • 1 • 3 • 8
29	<p>Student Progression</p> <ul style="list-style-type: none"> • UG to PG • Employed • PG to Ph.D. • Ph.D. to Post-Doctoral • Self-Employment 	<ul style="list-style-type: none"> • 40 • 247 • 3 • Nil • 50
30	<p>Infrastructural Details</p> <ul style="list-style-type: none"> • Library • Internet • ICT Facilities • Laboratories 	<ul style="list-style-type: none"> • Central library • FTTH connection 50 Mbps, Broadband upto 2Mbps, 4 NME connections @512 Kbps • Yes • 300+ computers/laptops across 8 general and special purpose labs.
31	<p>Number of students receiving financial assistance from college, university, government or other agencies</p>	38
32	<p>Details on student enrichment programmes (special lectures / workshops /seminar) with external experts</p>	<ul style="list-style-type: none"> • Guest Lectures:16 • Workshops/Seminar:11
33	<p>Teaching methods adopted to improve student learning</p>	<ul style="list-style-type: none"> • ICT • MooC • NPTEL • VLABs • Google Classroom • Flipped Classroom.
34	<p>Participation in Institutional Social Responsibility (ISR)</p>	Yes, as part of NSS programs



	and Extension activities	
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35	SWOC analysis of the department and Future plans	
Strength <ul style="list-style-type: none">• MOUs with 4 of the Top 10 IT companies in the world EMC, CISCO, IBM and Microsoft• MOUs with University of Missouri-Kansas City, USA and Aurel Vlaicu University of Arad, Romania• Culture of research and innovation - 13 patents filed, 1 IT product incubated and 3 mobile applications developed in-house.• Largest CSE department in the region in terms of students and faculty• Only NBA accredited CSE department from 2008-2011.	Weakness <ul style="list-style-type: none">• Less number of PhD qualified faculty• Low fee structure	
Opportunities <ul style="list-style-type: none">• Start M.Tech by 2018• To introduce more skill development programmes through expansion of industry linkages• Get funded research projects.	Challenges <ul style="list-style-type: none">• Low fee structure• Lack of opportunities for part-time PhD in the region for the existing faculty members	

Future plan

- To start M.Tech program in the department.
- NBA accreditation by 2018
- To establish a research center in the department in distributed systems



Evaluative Report of the Department

Information Technology

1.	Name of the Department	Information Technology	
2.	Year of Establishment	1999	
3	Name of the Programmes	B.E Information Technology	
4	Names of Interdisciplinary courses and departments involved	Engineering Mathematics – III Graph theory	Applied Science and Humanities
		Basic Electronics Data communication	Electronics and Communication Engineering
5	Annual/ semester/choice based credit system (program wise)	Semester	
6	Participation of the department in the courses offered by other departments	<ul style="list-style-type: none"> • Computer programming 	
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil	
8	Details of courses discontinued (if any) with reasons	<ul style="list-style-type: none"> • Organisational Management • Internet Fundamentals and Applications • Enterprise Resource Management • Digital Image Processing • Fuzzy and Neural networks Reason: As per feedback from	



		various stake holders on the relevance of these in the current scenario, the BoS decided to discontinue these courses
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9	Number of teaching posts	
	Sanctioned	Filed
Professors	1	0
Associate Professors	2	0
Asst. Professors	6	9

10	Faculty profile with name, qualification, designation, specialization				
Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in last four years
Mr..Anil Gupta	M.Tech	AP	Image Processing	15	Nil
Mr. Ravinder Bahl	M.Tech	AP	Biometrics	14	Nil
Mr. Manu Gupta	PhD (Pursuing)	AP	Cloud Computing	12	Nil
Mr. Dhruv Kumar	PhD (Pursuing)	AP	Cloud Computing	12	Nil
Ms.Veena Tripathi	MS	AP	Cloud Computing	9	Nil
Mr. Anurag Shrivastava	M.Tech	AP	Software Systems	7	Nil
Ms. Rashmi Chalia	M.Tech	AP	Information Technology	6	Nil
Ms. Swadha Gupta	M.Tech	AP	Software Engineering	1	Nil
Ms. Sakshi Bhandari	M.Tech	AP	Software Engineering	3	Nil

11	List of Senior visiting faculty	Nil
12	Percentage of lectures delivered and practical classes handled (program	14 %



	wise) by temporary faculty	
13	Student Teacher Ratio	10.66:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	<ul style="list-style-type: none"> • Technical (sanctioned: 3, filled 3) • Administrative (sanctioned: 1, filled 1)
15	Qualifications of teaching faculty with Ph.D and PG.	<ul style="list-style-type: none"> • PhD-0, PhD (Pursuing)-2 • PG-7
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	Nil
17	Departmental projects funded by outside agencies	Nil
18	Research Centre /facility recognized by the University	Nil
19	Publications: <ul style="list-style-type: none"> • Publication per faculty • Number of peer-reviewed journal • Number of publications in International Database • Citation Index • H-Index 	<ul style="list-style-type: none"> • 6.66 • 16 • 5 • 21 • 5
20	Area of consultancy and income generated	Nil
21	Faculty as members in national and international committees and editorial board	International Committees-3 Faculty Member Editorial Board-1 Faculty Member
22	Student projects Percentage of students with in-house departmental projects	100 percent
23	Awards/Recognitions received by faculty and students	<ul style="list-style-type: none"> • Faculty -4 • Student-10
24	List of eminent academicians and scientists	<ul style="list-style-type: none"> • Prof. Kevin Z. Truman , UMKC, USA



	/ visitors to the department	<ul style="list-style-type: none"> • Mr. Nizar Ahmed , IIT Kanpur • Dr. Rajinder Joshi, Manager, Wipro Technologies • Dr. Poonam Dhawan, JU, J&K • Prof. Vijay Kumar, UMKC, USA • Prof. S.K Jain., VC, SMVDU, J&K • Mr. Hridesh Kumar, Commissioner Secretary IT, J&K • Mr. Amit Sharma, MD SIDCO, J&K • Prof. Javed L. Khan ,KSU, USA
25	Seminars/ Conferences/Workshops organized & the source of funding-	NIL
26	Student profile programme/course wise:	<ul style="list-style-type: none"> • Male-58 • Female-46
27	Diversity of Students	As per the university statutes the admission to the engineering program is restricted to the students of Jammu and Kashmir
28	How many students have cleared national and state competitive examinations such <ul style="list-style-type: none"> • GATE • Civil Services/State Services • Defense services 	<ul style="list-style-type: none"> • 12 • 20 • 2
29	Student Progression <ul style="list-style-type: none"> • UG to PG • Employed • Self-Employment 	<ul style="list-style-type: none"> • 22 • 120 • 10
30	Infrastructural Details <ul style="list-style-type: none"> • Library • Internet • ICT Facilities 	<ul style="list-style-type: none"> • Central Library • Lan availability • Yes



	<ul style="list-style-type: none"> Laboratories 	<ul style="list-style-type: none"> Well established laboratories
31	Number of students receiving financial assistance from college, university, government or other agencies	40
32	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts	<ul style="list-style-type: none"> Special Lectures:16 Seminars/Workshops:11
33	Teaching methods adopted to improve student learning	<ul style="list-style-type: none"> ICT MooC NPTEL Google Classroom Flipped Classroom
34	Participation in Institutional Social Responsibility (ISR) and Extension activities	Yes as part of NSS programs

35	SWOC analysis of the department and Future plans	
	Strength <ul style="list-style-type: none"> Strong interconnect with CSE department Good alumni profile 	Weakness <ul style="list-style-type: none"> Less PhD qualified faculty Consultancy services a non-starter in department.
	Opportunities <ul style="list-style-type: none"> Boost number of publications in SCIE/Scopus indexed journals. Start M.Tech program in IT. 	Challenges <ul style="list-style-type: none"> Lack of opportunities for existing faculty to pursue PhD in the region. Low Fee Structure

Future Plan

- NBA accreditation in 2018
- To start the M.Tech program in Information Technology.



Evaluative Report of the Department

Master's in Computer Application

1	Name of the Department	Master's in Computer Application
2	Year of Establishment	2004
3	Name of the Programmes	MCA
4	Names of Interdisciplinary courses and departments involved	Nil
5	Annual/ semester/choice based credit system (program wise)	Semester
6	Participation of the department in the courses offered by other departments	Nil
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil
8	Details of courses discontinued (if any) with reasons	<ul style="list-style-type: none">• Fundamentals of IT• Numerical Computational Techniques• Fundamentals of Discrete Mathematics• Object Oriented Concepts & programming in C++• Advanced Database Systems• Theory of Computation• Programming in Java• Communication Skills <p>Any decision related to revision of</p>

	syllabus is taken by the Board of Studies ,University of Jammu
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9	Number of teaching posts	
	Sanctioned	Filled
Professors	1	1
Associate Professors	2	0
Asst. Professors	7	7

10	Faculty profile with name, qualification, designation, specialization				
Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prof. G.S. Sambyal	Ph.D.	Professor	Computer Applications	35	1
Mr. Vishal Gupta	MCA	Assistant Professor	Computer Application	15	Nil
Ms. Arti Kotru	MCA	Assistant Professor	Computer Application	12	Nil
Ms. Santoresh Lehana	MCA	Assistant Professor	Computer Application	8	Nil
Ms. Minakshi Sharma	MCA	Assistant Professor	Computer Application	7	Nil
Ms. Sheerin Zadoo	MCA	Assistant Professor	Computer Application	5	Nil
Mr. Mubashir Hussain	MCA	Assistant Professor	Computer Application	3	Nil
Ms. Shifali Tickoo	MCA	Assistant Professor	Computer Application	4	Nil

11	List of Senior visiting faculty	Nil
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	Nil
13	Student Teacher Ratio	15:1
14	Number of academic support staff (technical) and administrative	Technical (sanctioned: 2, filled: 2)



	staff; sanctioned and filled	Administrative (sanctioned: 1, filled: 1)
15	Qualifications of teaching faculty with Ph.D and PG.	PhD-1 PG-8
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	Nil
17	Departmental projects funded by outside agencies	Nil
18	Research Centre /facility recognized by the University	Yes
19	Publications: <ul style="list-style-type: none"> • Publication per faculty • Number of peer-reviewed journal • Number of publications in International Database • Citation Index • H-Index 	<ul style="list-style-type: none"> • 2.1 • 8 • 12 • 7 • 2
20	Area of consultancy and income generated	Nil
21	Faculty as members in national and international committees	Nil
22	Student projects <ul style="list-style-type: none"> • Percentage of students who have done in-house projects including inter departmental/programme 	Nil
	<ul style="list-style-type: none"> • Percentage of students placed for projects in organizations outside the institution ie .in Research Laboratories Industry/other agencies 	100%
23	Awards/Recognitions received by faculty and students	Faculty-Nil Students-4
24	List of eminent academicians and scientists / visitors to the department	<ul style="list-style-type: none"> • Mr. Sahil Pattyar, PDX Inc Dallas US • Ms. Madhukriti Srivastava, IIT Bombay



		<ul style="list-style-type: none"> • Mr. Sachin Padha, Oracle India Ltd, Bangalore • Dr. M P Dhore, Department of Electronics and Computer Sciences, RTM University Nagpur • Prof. Lalit Mangotra, University of Jammu
25	Seminars/ Conferences/Workshops organized & the source of funding-	Nil
26	Student profile programme/course wise	<ul style="list-style-type: none"> • Male-57 • Female-63
27	Diversity of Students	As per the university statutes the admission to the MCA program is restricted to the students of Jammu and Kashmir
28	How many students have cleared national and state competitive examinations such <ul style="list-style-type: none"> • GATE • Civil Services • Defence services 	<ul style="list-style-type: none"> • N.A. • Nil • Nil
29	Student Progression <ul style="list-style-type: none"> • UG to PG • Employed • Self-Employment 	<ul style="list-style-type: none"> • N.A. • 90% • 2.25%
30	Infrastructural Details <ul style="list-style-type: none"> • Library • Internet • ICT Facilities • Laboratories 	<ul style="list-style-type: none"> • Yes • Internet 50Mbps • Seminar Rooms with Projectors • 3 Labs
31	Number of students receiving financial assistance from	Nil



	college, university, government or other agencies- 8 percent	
32	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts	<ul style="list-style-type: none"> • Special Lectures:13 • Workshops/Seminar:8
33	Teaching methods adopted to improve student learning	<ul style="list-style-type: none"> • ICT • NPTEL • MooCs • Google Classroom
34	Participation in Institutional Social Responsibility (ISR) and Extension activities	Yes, as a part of NSS programs

35	SWOC analysis of the department and Future plans	
Strength	<ul style="list-style-type: none"> • Most preferred department in the private sector as evidenced by number and trend of admissions. • Strong interconnect with CSE and IT departments to facilitate resource access and leverage each other's strengths. 	Weakness
Opportunities	<ul style="list-style-type: none"> • Improve number of publications in SCIE/Scopus indexed journals • Offer consultancy services to local businesses in IT and applications 	Challenges
		<ul style="list-style-type: none"> • Less number of PhD qualified faculty. • No local industry for exploring student internships and placements.
		<ul style="list-style-type: none"> • Low perception of MCA program across the country and region • Low fee structure

Future plan

- Obtain NBA accreditation in 2018
- Push for enrollment of faculty in part-time PhD program in different universities.



Evaluative Report of the Department

Master's in Business Administration

1	Name of the Department	Master's in Business Administration
2	Year of Establishment	2007
3	Name of the Programmes	MBA
4	Names of Interdisciplinary courses and departments involved	Nil
5	Annual/ semester/choice based credit system (program wise)	Semester
6	Participation of the department in the courses offered by other departments	Nil
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil
8	Details of courses discontinued (if any) with reasons	<ul style="list-style-type: none"> Product & Brand Management Strategic Financial Management

9	Number of teaching posts	
	Sanctioned	Filled
Professors	1	1
Associate Professors	2	Nil
Asst. Professors	5	7

10	Faculty profile with name, qualification, designation, specialization				
Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prof. PN Sharma	MMS, PGDM,	Professor	General	45	Nil
Mr. Sahil Sawhney	Ph.D (Pursuing)	Assistant Professor	Strategic Management	7.5	Nil
Ms. Ankita Nanda	Ph.D.	Assistant Professor	HR, Marketing	6	-



Ms. Parul Sharma	Ph.D.	Assistant Professor	HR, Marketing	3	-
Ms. Nilambara Shrivastav	Ph.D (Pursuing)	Assistant Professor	Human Resource and Organizational Behavior	6.5	Nil
Mr. Akhil Mahajan	MBA,	Assistant Professor	Finance and Marketing	5	Nil
Mr. Arun Sharma	MBA	Assistant Professor	Marketing and Finance	3.5	Nil
Ms.Parul Mahajan	Ph.D (Pursuing)	Assistant Professor	HR and Marketing	2	Nil

11	List of Senior visiting faculty	Nil
12	Percentage of Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	0
13	Student Teacher Ratio	7.5:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	<ul style="list-style-type: none"> • Technical (sanctioned: 1, filled 1) • Administrative (sanctioned: 1, filled 1)
15	Qualifications of teaching faculty with Ph.D and PG.	<ul style="list-style-type: none"> • PhD - 2, PhD(Pursuing)- 3 • PG - 3
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	Nil
17	Departmental projects funded by outside agencies	Nil
18	Research Centre /facility recognized by the University	Nil
19	Publications: <ul style="list-style-type: none"> • Publication per faculty • Number of peer-reviewed journal • Number of publications in International Database • Citation Index 	<ul style="list-style-type: none"> • 5.6 • 14 • 18 • 4



	<ul style="list-style-type: none"> • H-Index 	<ul style="list-style-type: none"> • 1
20	Area of consultancy and income generated	Nil
21	Faculty as members in national and international committees	Nil
22	<p>Student projects</p> <ul style="list-style-type: none"> • Percentage of students who have done in-house projects including inter departmental/programme • Percentage of students placed for projects in organizations outside the institution ie .in Research laboratories/Industry/other agencies 	<ul style="list-style-type: none"> • 0% • 100%
23	Awards/Recognitions received by faculty and students	Students-4
24	List of eminent academicians and scientists / visitors to the department	<ul style="list-style-type: none"> • Prof. Kevin Truman, UMKC, USA • Prof R.D. Sharma VC, University of Jammu • Mr. Gautam Mahajan, Founder and CEO, Interlink and Customer value foundation • Mr. Dipanker Gupta, CEO and Founder, Suventure Services, Bengaluru • Mr. Rajewshwar Singh Dogra, VP, ICICI Pru-Life
25	Seminars/ Conferences / Workshops organized & the source of funding.	Nil
26	Student profile programme / course wise:	<ul style="list-style-type: none"> • Male-23 • Female-36
27	Diversity of Students	
28	How many students have cleared national and state competitive	



	<p>examinations such</p> <ul style="list-style-type: none"> • GATE • Civil Services • Defense services • State Services/Banks 	<ul style="list-style-type: none"> • Not Applicable • 0 • 0 • 15
29	<p>Student Progression</p> <ul style="list-style-type: none"> • UG to PG • Employed • Self-Employment 	<ul style="list-style-type: none"> • NA • 133 • 16
30	<p>Infrastructural Details</p> <ul style="list-style-type: none"> • Library • Internet • ICT Facilities • Laboratories 	<ul style="list-style-type: none"> • Central library • FTTH broadband upto 50 Mbps, Broadband upto 2Mbps, 4 NME connections @512 Kbps • Yes • 300+ computers/laptops across 8 general and special purpose labs
31	<p>Number of students receiving financial assistance from college, university, government or other agencies</p>	1
32	<p>Details on student enrichment programmes (special lectures / workshops /seminar) with external experts</p>	<ul style="list-style-type: none"> • Special Lectures - 43 • Workshops - 17 • Seminars - 13
33	<p>Teaching methods adopted to improve student learning</p>	<ul style="list-style-type: none"> • ICT, • MooC • NPTEL • Google Classroom
34	<p>Participation in Institutional Social Responsibility (ISR) and Extension activities</p>	Yes, as part of NSS programs

35	SWOC analysis of the department and Future plans	
	<p>Strength</p> <ul style="list-style-type: none"> • Maximum admissions to MBA programme under Jammu University, while 4 institutions have shut down in last 3 years. 	<p>Weakness</p> <ul style="list-style-type: none"> • R & D needs improvement • Consultancy services to be established



<ul style="list-style-type: none"> • 100% placements • Technology Business Incubaor setup under MSME 	
<p>Opportunities</p> <ul style="list-style-type: none"> • Entrepreneurship Development • Consultancy Programmes • Finishing School can be established to meet need of the society-at-large • Boost SSCI-indexed publications 	<p>Challenges</p> <ul style="list-style-type: none"> • Late admissions centrally under University of Jammu • Low fee structure • Low demand for MBA program across the country and the region.

Future Plans

- NBA accreditation in 2018
- Incubate at least 5 companies under TBI
- Have 100% PhD qualified faculty by 2020



Evaluative Report of the Department

Applied Sciences and Humanities

1	Name of the Department	Applied Sciences & Humanities	
2	Year of Establishment	1999	
3	Name of the Programmes	UG	
4	Names of Interdisciplinary courses and departments involved	Computer Programming	CSE
		Machine Drawing	ME(ASH)
		Engineering Graphics	ME(ASH)
5	Annual/ semester/choice based credit system (program wise)	Semester	
6	Participation of the department in the courses offered by other departments	Mathematics III and Mathematics IV in all the engineering departments	
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil	
8	Details of courses discontinued (if any) with reasons	Nil	

9	Number of teaching posts	
	Sanctioned	Filled
Professors	2	1
Associate Professors	4	5
Asst. Professors	18	18



10	Faculty profile with name, qualification, designation, specialization				
Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Prof. B.S. Komal	Ph.D.	Professor	Functional Analysis	37	18
Mr. M. K. Jain	M.Sc.	Associate Professor	Solid State Electronics	51	Nil
Mr. Rajinder Koul	M. Sc.	Associate Professor	Molecular Spectroscopy	36	Nil
Dr. Vijay Koul	Ph.D.	Associate Professor	Organic Chemistry	34	Nil
Dr. V.K.Bhat	Ph.D	Associate Professor	Physics	30	Nil
Mr. Vipin Chander	M.Tech.	Assistant Professor	Engineering Graphics	17	Nil
Mr. Amitoz Kour	M. Sc.	Assistant Professor	Chemistry	17	Nil
Dr. R. M. Vaid	Ph.D.	Associate Professor	Organic Chemistry	30	Nil
Dr. Rajinder Sharma	Ph.D.	Assistant Professor	Solid State Electronics	15	Nil
Dr. Ajit Viridi	Ph.D.	Assistant Professor	Molecular Spectroscopy	12	Nil
Mr. Sahib Singh	M.Tech.	Assistant Professor	Engineering Mechanics	10	Nil
Mr. Nitam Verma	M.Tech, MBA	Assistant Professor	Engineering Mechanics	10	Nil
Dr. Navdeep Bhullar	Ph.D.	Assistant Professor	Polymer Nano Technology	9	Nil
Mr. Ashutosh Raina	M.Tech	Assistant Professor	Engineering Mechanics	9	Nil
Mr. Rohit Sharma	M.Sc.	Assistant Professor	Discrete Mathematics	8	Nil
Mr. Niranjan Singh	M.Tech.	Assistant Professor	Thermal Engineering	8	Nil
Mr. Vishal Gupta	B.E.	Assistant Professor	Hydraulics	7	Nil
Dr. Sunil Kumar Sharma	Ph.D.	Assistant Professor	Functional Analysis	6	Nil



Mr. Mousin Khalid	MBA	Assistant Professor	Communication Skills	6	Nil
Mr. Ankush Sharma	MBA	Assistant Professor	Communication Skills	6	Nil
Mr. Neha Malhotra	M.Sc.	Assistant Professor	Differential Calculus	4	Nil
Dr. Smarti Gosani	Ph.D.	Assistant Professor	Ring Theory	3.5	Nil
Mr. Nikhil Gandotra	M.Tech.	Assistant Professor	Engineering Mechanics	2	Nil
Dr. Archana Sharma	Ph.D.	Assistant Professor	Molecular Spectroscopy	6 months	Nil

11	List of Senior visiting faculty	Nil
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	
13	Student Teacher Ratio	16.3:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	6
15	Qualifications of teaching faculty with Ph.D. and PG.	Ph.D. -10 PG -14
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	Nil
17	Departmental projects funded by outside agencies	Nil
18	Research Centre /facility recognized by the University	Nil
19	Publications: <ul style="list-style-type: none"> • Publication per faculty • Number of peer-reviewed journal • Number of publications in 	<ul style="list-style-type: none"> • 3.95 • 59 • 41



	International Database <ul style="list-style-type: none"> • Citation Index • Impact factor • H-Index 	<ul style="list-style-type: none"> • 1062 • 41
20	Area of consultancy and income generated	Nil
21	Faculty as members in national and international committees	3
22	Student projects <ul style="list-style-type: none"> • Percentage of students with in-house departmental projects 	Nil
23	Awards/Recognitions received by faculty and students	Faculty-1 Students-2
24	List of eminent academicians and scientists / visitors to the department	<ul style="list-style-type: none"> • Prof. M. Mursaleen, Chairman Department of Mathematics, AMU, Aligarh • Prof. Khalil Ahmad, Jamia Millia Islamia, New Delhi • Prof. S. C. Arora, Former Head of Department of Mathematics, University of Delhi, Delhi
25	Seminars/ Conferences/Workshops organized & the source of funding-	J&K Science and Technology Seminar on Mathematics funded (Rs 35,000/-) by J&K State Government.
26	Student profile programme/course wise:	<ul style="list-style-type: none"> • Male-262 • Female-107
27	Diversity of Students	As per the university statutes the admission to the engineering program is restricted to the students of Jammu and Kashmir
28	How many students have cleared national and state competitive examinations such	Not applicable



	<ul style="list-style-type: none"> • GATE • Civil Services • Defense services 	
29	<p>Student Progression</p> <ul style="list-style-type: none"> • UG to PG • Employed • Self-Employment 	Not applicable
30	<p>Infrastructural Details</p> <ul style="list-style-type: none"> • Library • Internet • ICT Facilities • Laboratories 	<ul style="list-style-type: none"> • Central library • FTTH broadband upto 50 Mbps, Broadband upto 2Mbps, 4 NME connections @512 Kbps • Yes • 4 Laboratories.
31	<p>Number of students receiving financial assistance from college, university, government or other agencies</p>	21
32	<p>Details on student enrichment programmes (special lectures / workshops /seminar) with external experts</p>	<ul style="list-style-type: none"> • Seminars/Workshops:15 • Special Lectures:8
33	<p>Teaching methods adopted to improve student learning</p>	<ul style="list-style-type: none"> • ICT, • MooC • NPTEL • Google Classroom
34	<p>Participation in Institutional Social Responsibility (ISR) and Extension activities</p>	Yes as part of NSS programs

35	SWOC analysis of the department and Future plans	
	<p>Strength</p> <ul style="list-style-type: none"> • Highly experienced faculty from diverse backgrounds • 10 faculty members out of 24 are PhD qualified. • Maximum publications and 	<p>Weakness</p> <ul style="list-style-type: none"> • Lack of curriculum revision by BoS of University of Jammu



<p>citation count of all departments at MIET.</p> <ul style="list-style-type: none"> • Best admissions in first year among all colleges in Jammu region. 	
<p>Opportunities</p> <ul style="list-style-type: none"> • Explore applied research projects and funding opportunities. 	<p>Challenges</p> <ul style="list-style-type: none"> • Low fee structure • Quality of curriculum



Part 4: Post Accreditation Initiatives

The Model Institute of Engineering and Technology (MIET) volunteered for NAAC assessment in 2012 and was accredited with B grade. Since, the NAAC accreditation the institute has re-engineered itself positioning “quality” as a core institutional value. Some of the major initiatives undertaken by the institution post-accreditation (2012-2017) and resulting outcomes are tabulated below:

Criteria	Initiatives	Outcomes
1. Curricular Aspects	<ul style="list-style-type: none"> Engaged with the University to get representation on the Board of Studies and provided in-depth feedback on curriculum reform and revision. Formed Departmental Advisory Committees comprising experts from academia and industry apart from senior alumni to set a research, skill development and curriculum agenda for the departments. Identified a Skill Matrix for students of each department. Engaged with Industry to provide value-added courses to students to fulfill skill matrix. Provided multi-modal exposure to students through technical workshops, MooCs, webinar’s and extensive use of ICT. Academic Review undertaken to identify and address weak areas. Monitoring and tracking mechanisms introduced to ensure effective delivery of curriculum under IQAC. Personality Development Programs strengthened. Teaching improvement programs instituted. 	<ul style="list-style-type: none"> 20-30% syllabus revised since last accreditation. Each department has a 3-5 year plan to develop competencies in specific domains. Curriculum much better aligned with rest of the country. Tie-up with 4 of the top-10 IT companies in the world – EMC, Cisco, IBM and Microsoft for providing access to latest software, training and certifications to students. Semester-long EMC Curriculum on Storage Technologies (6th sem), Cloud Computing (7th sem) and Big Data (8th sem) introduced. IIT Super Resource Center (only one in J&K) setup at MIET under MHRD to provide free training and certification to students on a range of open-source software/technologies. CCNA training and certification under Cisco Networking Academy introduced. Free access to legal Microsoft software provided. Access to IBM software under IBM Center of Excellence. “Improving Teaching Effectiveness” programme for teachers introduced to provide expert inputs on improving teaching. Teachers trained on use of ICT.
2. Teaching Learning and Evaluation	<ul style="list-style-type: none"> Undertook detailed Academic Review to identify and address weak areas. 	<ul style="list-style-type: none"> Adoption of Google for Education Moving from Moodle-based ELMS to Google Classroom for ICT-based



	<ul style="list-style-type: none"> • Formulated new policies on attendance management, ICT-usage and improving teaching effectiveness • Adopted transparency measures in student evaluation. • Focus on adoption of IT systems for improving student experience. • Introduced best practices in improving teaching learning 	<p>delivery and building student engagement.</p> <ul style="list-style-type: none"> • Adjunct faculty appointed to have industry experts interact frequently with students. • Students exposed to industry-relevant trainings and assessments to improve industry-readiness • Skill Development Matrix created for students • MooCs introduced for students. • Classroom evaluation introduced to improve teaching effectiveness. • Brought in experts from MIER College of Education (Autonomous) to improve delivery and pedagogy. • Value-added courses introduced under tie-ups with industry – EMC, IBM, Cisco and Microsoft. • Evaluation made time-bound and each student shown answer script with option for re-evaluation. • Experimentation with “Flipped Classrooms” and project-based learning initiated. • Students given online access to ERP for checking attendance and internal assessment records. • Provision made for “Activity Lecture” in timetable for providing additional inputs using MooC’s, enrichment activities, PDP sessions etc. on daily basis. • Teacher quality and profile improved – 20 PhDs, nearly 30% faculty with more than 10 years of experience. • 13 faculty members pursuing PhD with institute’s support. Over last 5 years 15 faculty members completed M.Tech with institutional support. • Mentoring and coaching programs for faculty introduced, Nearly 80% faculty covered. • National-level assessment tests – AMCAT, Wheebox and LinkedIn for Placements conducted for students to increase preparedness and provide insights into areas of improvement. • Better placement opportunities
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		<p>created for students.</p> <ul style="list-style-type: none"> • Student performance benchmarking and automated guidance and counseling introduced through in-house developed software • Alumni Mentoring Program introduced • Chapters of professional societies IEEE, ACM, CSI, IETE setup.
<p>3. Research Consultancy and Extension</p>	<ul style="list-style-type: none"> • Innovation identified as a core institutional value. • Research and Development made a key strategic element of competitive strategy • Comprehensive Research Promotion Scheme formulated to provide financial incentives. • Automatic Tracking of Research KRAs done through Performance Insight 360 software. • Extension activities strengthened 	<ul style="list-style-type: none"> • 15 patents filed and 300 research papers published post-accreditation. • 200+ papers in international journals and conferences. • 40 papers indexed in Web of Science, 29 in Scopus and 12 in DBLP. • 1600+ citations in Google Scholar. • 2 IT products incubated and 3 mobile applications developed by Center for Software Development. • Technology Business Incubator sanctioned by MSME, Govt. of India with a financial outlay of Rs. 66.5 Lakhs. • Center for Research, Innovation and Entrepreneurship (CRIE) setup for promoting student-led research. • International Journal of Next-Generation Computing (IJNGC) published jointly with UMKC, USA indexed by Thomson Reuters, Web of Science under ESCI. • UGC Major Research Project (6.5 Lakhs) executed jointly with MIER College of Education (Autonomous) • DST-FIST grant worth Rs. 40 Lakhs received (only institution in J&K in last cycle) • AICTE grants worth Rs. 21 Lakhs received. • Some faculty members became approved co-Supervisors for PhD in Thapar University, Chitkara University. • Research incentives worth Rs. 5 Lakhs paid out to faculty since last accreditation. • Over 20 research-related workshops, seminars, winter-schools organized for faculty. • Consultancy activities kick-started



		<p>despite lack of industries.</p> <ul style="list-style-type: none"> • NSS committee conducted plethora of events including awareness programmes on social issues, Adopt-a-Village, Digital Literacy, Digi-Dhan Mela's, Blood Donation Camps, Visit to old-age homes and orphanages.
4. Infrastructure and Learning Resources	<ul style="list-style-type: none"> • Infrastructure made a core element of Strategic Plan to create unique customer experience. • Learning resources strengthened 	<ul style="list-style-type: none"> • Constructed Academic Block-D measuring 6500 sq.m at a cost of Rs. 8.0 Crores approximately. • Created high-quality 250-seater auditorium at approximate cost of Rs. 50 Lakhs. • Created 100x100 sq.m playground • Planted 200 additional trees to make a green campus. • Approximately 200 new computers added, internet connection up to 50 mbps added. • Fiber Optic backbone created to facilitate high volume of data flow through MIET LAN. • Created new Labs and added equipment close to Rs. 70 Lakhs. • Added over 15,000 books to the institutional library. • 90% of the faculty provided with individual computers. • Upgraded infrastructure through painting of campus buildings, upgradation of labs and seminar rooms. • Large number of classrooms equipped with multimedia projection systems.
5. Student Support and Progression	<ul style="list-style-type: none"> • Student experience made a priority area in strategic plan • Plan to create opportunities for multiple career paths for students • Support students in international admissions • Establish linkages to help create additional value for students • Student performance measurement and benchmarking introduced • Automated guidance and counseling feature in PI- 	<ul style="list-style-type: none"> • 25 students got admissions at top international institutions such as Georgia Tech, TU Munich, University of Texas Dallas, University of Technology Sydney, Audencia Business School, France, Rostock University Germany, Lambton College, Canada, University of Missouri-Kansas City, USA, Missouri University of Science and Technology, USA, State University of New York, USA, University of Edinburgh, Scotland among others. • 350+ placements for students in last 5 years – Highest in J&K, in spite



	<p>360 software.</p> <ul style="list-style-type: none"> • Gamification introduced in PI-360 to create a culture of performance and achievement in students. • Automated resume generation feature implemented in PI-360 • Third-party assessment introduced for students for training need identification. 	<p>of lack of avenues.</p> <ul style="list-style-type: none"> • MoU with University of Missouri-Kansas City, USA • MoU with Aurel Vlaicu University of Arad, Romania • MoU with Aircel • MoU with HERE Maps. • IIT Super Resource Center setup at MIET under MHRDs Spoken Tutorial project • Increased student engagement and satisfaction levels. • Rich spectrum of student-centric events were organized such as the annual Techno-cultural festival – Sammilan which is being organized since 2006, I-Survive Adventure Boot Camp, Business Fest, Technical Workshops, Personality Development sessions, Cultural and co-curricular events. • Encouragement and support given to sports activities. Students won championships in Badminton, Fencing and Judo at Inter-University meets in the last 5 years. • National-level assessment tests – AMCAT, Wheebox and LinkedIn for Placements conducted for students to increase preparedness and provide insights into areas of improvement. • Better placement opportunities created for students. • Alumni Mentoring Program introduced for current students. • Alumni Association Formed and registered. • Alumni Tracking module developed for real-time tracking • Chapters of professional societies IEEE, ACM, CSI, IETE setup. • Center for Research, Innovation and Entrepreneurship (CRIE) setup to promote student-led research.
<p>6. Governance and Leadership</p>	<ul style="list-style-type: none"> • Restated and simplified the vision and mission to set an ambitious and unambiguous path for the institution. • Clarified core values of the institution • Created Strategic Plan 	<ul style="list-style-type: none"> • All stakeholders aligned with institutional vision, quality objectives and KRAs. • Institution has created a unique positioning and brand in J&K. • Most preferred private institution for engineering, MBA and MCA as



	<p>identifying focus areas for the institution for both long-term and short-term.</p> <ul style="list-style-type: none"> • Created a Risk Management Plan • Created an IT Plan • Developed Second Line of Leadership • Created specialized positions such as Manager Strategic Initiatives, Quality Assurance Officer and Manager, Student Experience to reflect new organization focus. • Created an aggressive outreach program for brand-building by applying for national-level awards, competitive grants and miscellaneous programs which help showcase the institution’s capabilities. 	<p>evidenced by highest number of admissions.</p> <ul style="list-style-type: none"> • Most preferred employer in the private sector in the state of J&K in private sector. • National-level recognition and awards received for innovative projects and quality initiatives. • MIET received the national-level Quality Council of India’s (QCI) D.L Shah Platinum Award for its quality initiatives in August 2016. It was the only educational institution across India to receive this honor. • Performance Insight 360 software from MIET was recognized among top 10 innovations at the 8th India Innovation Initiative, a national level innovation competition organized by AICTE, DST and CII among 600 innovations in October, 2016. It received the “Startup Board” award at the convention. • MIET won the Ricoh Educational Excellence Award for “Best Institution in Enabling Technology for Student Services” at all India level in February, 2016. • MIET won the “Outstanding Technical Institution” in North India by NITTTR, Chandigarh in Dec. 2014 in recognition of overall achievements and performance. • MIET finished in the Top 50 institutions in India in IBM’s The Great Mind Challenge (TGMC) competition out of 2500 colleges across India in 2013 and 2015. • Director, MIET selected among twenty Directors and Principals across India for Australia-India Vocational Education Leadership Training (VELT) at Sydney from Feb. 25th to March 4th, 2017. • Faculty received industry awards from IBM, EMC besides recognition from AICTE, DST, CII and associations such as ISTE.
<p>7. Innovative Practices</p>	<ul style="list-style-type: none"> • Innovation identified as core institutional value and given high priority by the leadership team • Focus on introducing 	<ul style="list-style-type: none"> • Performance Insight 360, quality analytics software conceived, built and deployed at MIET – a major innovation. Some of the novel features of PI-360 are:



	<p>innovative best-practices to create a vibrant organizational culture.</p> <ul style="list-style-type: none"> • Responsiveness to stakeholder needs and concerns identified as a major driver for the organization. • Institutional mobile application developed and website refreshed. • Social media strategy formulated. • Automated call receiver and CRM manager deployed for better call management. 	<ul style="list-style-type: none"> • Automated resume generation with verification • Automated guidance and counseling through quarterly emails. • Gamification to promote healthy competition • Performance benchmarking • Individual Stakeholder Dashboard • Real-time Alumni tracking • Real-time citations, h-index, i-10 index tracking through Google Scholar • Automated feedback analysis • Automated performance appraisals • The impact of PI-360 has been the consistently increasing performance and achievement levels of the institution in the last 5 years. • Research Promotion Scheme (RPS) provides awards and financial incentives to faculty members for research output besides support for attending conferences etc. • Advanced Mentoring Program for senior faculty, a coaching program for one year to enhance performance and achievement levels. • Center for Research, Innovation and Entrepreneurship (CRIE) established for promoting student-led research. • I-Survive Adventure boot-camp created to provide life-skills training through adventure activities, a novel academic initiative. • Center for Software Development specializing in developing real-world software applications. • Alumni Mentoring Program for current students introduced. • Tea with Director for faculty and students for engaging with leadership team. • Town-Hall meets for articulating institute plans and answering employee queries. • Workshops on Innovation and
--	--	--



		<p>patenting for faculty and students to promote local innovation.</p> <ul style="list-style-type: none"> • Multi-pronged Social Media approach employed successfully to build student engagement and manage sentiments. 7000+ strong community on Facebook. • Evaluating Teaching Effectiveness program to improve teaching in young faculty and recognize teaching talent. • Avid Reader award introduced to promote Library usage. • Sub-Staff award introduced to recognize high performing sub-staff. • Sports awards introduced to recognize outstanding sports persons at MIET. • Best Project awards instituted to recognize high quality student projects.
--	--	---



Declaration by the Head of the Institution

NAAC Accredited & ISO 9001:2008 Certified
Recognised by the J&K Govt | Approved by the AICTE | Affiliated to University of Jammu



**Model Institute of
Engineering & Technology**
Kat Bhalwal, Jammu

MIER Group



Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Inks
Signature of the Head of the institution with seal:

Place: Jammu

Date: 30/03/2017



Website : www.mietjammu.in

Ph.: 9018312123, Fax.: 0191-2623181

E-mail : info@mietjammu.in

Promoting Excellence in Professional Education



Certificate of Compliance



Certificate of Compliance

This is to certify that Model Institute of Engineering and Technology fulfils all norms

1. Stipulated by University of Jammu ✓
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] ✓
3. The affiliation and recognition is valid as on date:

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 27-03-2017

Place: Jammu

Indus
Principal/Head of the Institution


(Name and Signature with Office seal)



AQAR acknowledgement receipts from NAAC (2012-16)

Subject: Acknowledgement of AQAR
Date: Fri, 27 Dec 2013 12:24:47 +0530
From: Naac Office <naac.aqar@gmail.com>
To: principal@mietjammu.in

NAAC/AQAR ACK/F 2.33/106/60-22

Dear Sir/Madam,
Subject: Acknowledgement of AQAR
Greetings from NAAC!

We acknowledge the receipt Online Submission of Annual Quality Assurance Report (AQAR) of your college.

The philosophy of NAAC is ameliorative and enabling rather than unitive or judgmental, so that all constituencies of institutions of higher learning are empowered to maximize their resources, opportunities and capabilities. In this respect we appreciate your efforts of establishing the IQAC in the institution. One of the important functions of IQAC is to develop realistic and attainable quality benchmarks for each of the academic and administrative activities, means fixing standards for all activities on the basis of its own practices and experiences. The most critical functioning of IQAC's is to keep the institution abreast and abuzz with latest developments in Higher Education and quality sustenance activities. The college may organize workshops, seminars, case studies, multi-disciplinary activities. These activities would expose the students and teachers to new frontiers of knowledge. NAAC is striving its best to promote the quality culture through IQAC in accredited institutions. NAAC has brought out several publications. Some of the Best practices series books are mentioned below:

1. Best Practice Series in Internal Quality Assurance Cell
2. Best Practice Series in Student Feedback and Participation
3. Best Practice Series in Library and Information Services
4. Best Practice Series in Community Engagement
5. Best Practice Series in Evaluation of Students

Wishing you success in your Endeavour & Quality Enhancement.

Thank you,
AQAR Unit,
National Assessment and Accreditation Council (NAAC),
P.B. No 1075, Nagarbhavi, Bangalore – 560 072.



From: CAPU AQAR [<mailto:capuqar@gmail.com>]
Sent: Friday, January 02, 2015 2:22 PM
To: Ruksana Salathia
Subject: Re: Annual Quality Assurance Report

NAAC/AQAR ACK/DEC 2014/ 60-22

Model Institute of Engineering & Technology
Prof.S.K.Sharma

subject: Acknowledgement of AQAR

Dear Sir,

Greetings from NAAC ! Thanks for Submitting **Annual Quality Assurance Report** (AQAR) for the year : 2013-14

We are acknowledging the receipt of Online Submission of AQAR for the year as mentioned above. NAAC expects the institution to submit the AQAR every year in time.

Wishing you success in your Quality Enhancement

THNAKS
CAPU-AQAR
(CENTRAL APPLICATION PROCESSING UNIT)
080-23005125 / 24



from: **CAPU AQAR** <capuaqar@gmail.com>
to: Ruksana Salathia <ruksana.adm@mietjammu.in>

date: Thu, Dec 31, 2015 at 12:04 PM
subject: Re: Annual Quality Assurance Report
mailed-by: gmail.com
signed-by: gmail.com

NAAC/AQAR ACK/DEC/ 2015/

Model Institute of Engineering & Technology
Kot Bhalwal
Jammu

Subject: Acknowledgement of AQAR

We are acknowledging the receipt of Online Submission of **Annual Quality Assurance Report** (AQAR) for the year : 2014-15

For any queries related to AQAR, you may kindly contact capuaqar@gmail.com or 080-23005125 (Aqar direct help line).

Wishing you success in your Quality Enhancement incentives.

THANKS WITH REGARDS
CAPU-AQAR
(CENTRAL APPLICATION PROCESSING UNIT)
080-23005125 / 24



from: **CAPU AQAR** <capuaqar@gmail.com>
to: Ruksana Salathia <ruksana.adm@mietjammu.in>
date: Mon, Dec 26, 2016 at 10:36 AM
subject: Re: Annual Quality Assurance Report 2015-16
mailed-by: gmail.com
signed-by: gmail.com

NAAC/AQAR ACK/ DECEMBER/ 2016/

Model Institute of Engineering & Technology
Kot Bhalwal
Jammu
Jammu & Kashmir

Subject: Acknowledgement of AQAR

We are acknowledging the receipt of Online Submission of **Annual Quality Assurance Report** (AQAR) for the year : 2015-16.

For any queries related to AQAR, you may kindly contact capuaqar@gmail.com or 080-23005125 (Aqar direct help line).

Wishing you success in your quality enhancement process.

THANKS WITH REGARDS
CAPU-AQAR
(CENTRAL APPLICATION PROCESSING UNIT)
080-23005125 / 24



Annexure A

Certification of Recognition under u/s 2(f) of the UGC Act

Handwritten number 2

Ph. 24246351, 24242701, 24247721
24244116, 24245733, 24242417
24246733, 24249437, 24249627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in
F. No. 8-251/2009 (CPP-I/C)



UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

June, 2011

The Registrar,
University of Jammu,
Jammu – 180 006,
Jammu & Kashmir.

17 JUN 2011

Sub: - Recognition of College under Section 2 (f) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter No. MIER/2011/139 dated 18.01.2011 received from the Principal, Model Institute of Engineering & Technology, Kot Bhalwal, Jammu – 180 016, (Jammu & Kashmir) on the above subject and to say that it is noted that the following College is temporarily affiliated to University of Jammu. I am further to say that the name of the following College has been included in the list of Colleges prepared under Section 2 (f) of the UGC Act, 1956 under the head 'Non Government Colleges teaching upto Master's Degree':-

Name of the College	Year of Establishment	Remarks
Model Institute of Engineering & Technology, Kot Bhalwal, Jammu – 180 016, (Jammu & Kashmir).	1996	The college does not fulfill the requirement of permanent affiliation. Therefore, the College is not eligible to receive Central assistance under Section 12 (B) of the UGC Act, 1956.

The Indemnity Bond and the supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,

(Uma Bati)
Under Secretary

Copy to:-

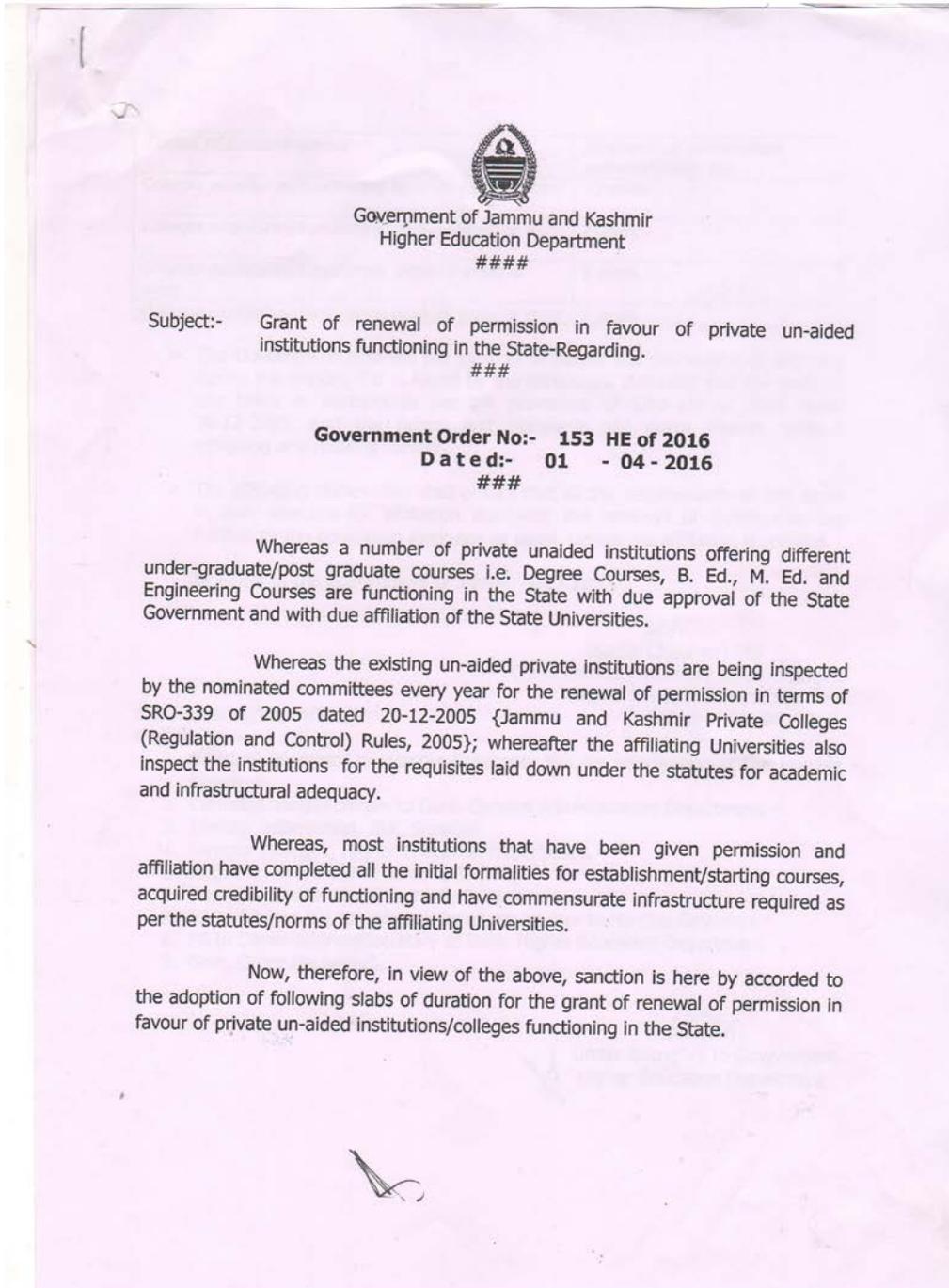
- ✓ The Principal, Model Institute of Engineering & Technology, Kot Bhalwal, Jammu – 180 016, (Jammu & Kashmir).
- The Secretary, Government of India, Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi - 110 001.
- The Secretary (Higher Education), Government of Jammu & Kashmir, Civil Secretariat, Mini Block, Jammu – 180 001, (Jammu & Kashmir).
- The Joint Secretary, UGC, Northern Regional College Bureau (NRCB), 35, Ferozeshah Road, New Delhi – 110 001.
- Publication Officer (UGC-Website), New Delhi.
- Section Officer (FD-III Section), UGC, New Delhi.
- All Sections, UGC, New Delhi.
- Guard file.

Handwritten signature/initials

(Sunita Gulati)
Section Officer

Annexure-B

Copy of approval from State Government





Period of Establishment	Renewal of permission granted/valid for
Colleges established/functioning since 25 years or more	10 years
Colleges established/functioning since 15 years or more	7 years
Colleges established/functioning since 10 years or more	5 years
Colleges established/functioning since 05 years or more	3 years

- The Government reserves the right to withdraw the permission at any time during the period, if it is found by the competent authority that the institute has failed to perform as per the provisions of SRO-339 of 2005 dated 20-12-2005, and the norms and standards laid down therein, without assigning any reasons thereof.
- The affiliating Universities shall ensure that all the requirements as laid down in their statutes for affiliation alongwith the removal of deficiencies are fulfilled by the concerned institutes as usual, before the affiliation is granted.

By Order of the Government of Jammu and Kashmir.

Sd/-

(Sarita Chauhan) IAS
Commissioner/Secretary to Government
Higher Education Department
Dated:- 01-04-2016

No:-HE/Recog/K/204/2015

Copy to the:-

1. Principal Secretary to Hon'ble Governor, J&K for information of the Hon'ble Governor.
2. Commissioner/Secretary to Govt. General Administration Department.
3. Director information, J&K, Srinagar.
4. Director Colleges, Higher Education Department.
5. Registrar, University of Jammu, Jammu.
6. Registrar, University of Kashmir, Srinagar.
7. PS to Advisor (D) for information of the Advisor to Hon'ble Governor.
8. PS to Commissioner/Secretary to Govt. Higher Education Department.
9. Govt. Order file (w2sc).

Asifa Jan
(Asifa Jan)

Under Secretary to Government
Higher Education Department



Annexure C

Copy of approval from AICTE



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandrablok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/53/57 FAX: 011-23724183 www.aicte-india.org

F No. North-West/1-2813555171/2016/ECA

Date: 05-Apr-2016

To,

The Secretary (Technical Education)
Govt. of J & K Civil Secretariat,
Room No. 44 Gr. Block, Srinagar-190001

Subj: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2015-17

Sr/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	North-West	Application Id	1-2813555171
Name of the Institute	MODEL INSTITUTE OF ENGINEERING AND TECHNOLOGY	Permanent Id	1-3955211
Name of the Society/Trust	MODEL INSTITUTE OF EDUCATION & RESEARCH	Institute Address	KOT BHALWAL, JAMMU 181122 JAMMU AND KASHMIR, JAMMU, JAMMU, Jammu and Kashmir, 190001
Institute Type	Unaided - Private	Society/Trust Address	B.C ROAD JAMMU,,JAMMU,,JAMMU,,Jammu and Kashmir, 190001.

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2813555171			Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NEP Approval status	PIO / FN / Gafiquita Approval status	Foreign Collaboration/Training Program Approval Status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUA	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Jammu University Jammu Tawi	18	10	NA	NA	NA

Application Number: 1-2813555171
Note: This is a Computer generated Report.No signature is required.
Printed By : AE977351

Page 1 of 3
Letter Printed On: 27 April 2016



All India Council for Technical Education
 (A Statutory body under Ministry of HRD, Govt. of India)
 7th Floor, Chandrabek Building, Jangpoh, New Delhi - 110 001
 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte.ac.in

GY		TE								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	CIVIL ENGINEERING	FULL TIME	Jammu University, Jammu Town	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jammu University, Jammu Town	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRICAL ENGINEERING	FULL TIME	Jammu University, Jammu Town	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FULL TIME	Jammu University, Jammu Town	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Jammu University, Jammu Town	60	60	NA	NA	NA
MANAGEMENT	1st Shift	POSTGRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Jammu University, Jammu Town	60	60	NA	NA	NA
MCA	1st Shift	POSTGRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Jammu University, Jammu Town	60	60	NA	NA	NA

The above mentioned approval is subject to the condition that MODEL INSTITUTE OF ENGINEERING AND TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/1.egs/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish

Application Number: 1-2813658171
 Note: This is a Computer generated Report.No signature is required.
 Printed By : AES77561

Page 2 of 3
 Letter Printed On: 27 April 2015



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Jangpeth, New Delhi-110 001
PHONE: 23724151/52/53/54/55/61/67 FAX: 011-23724193 www.aicte-india.org

perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:

1. The Regional Officer,
All India Council for Technical Education
Plot No. 1A, 5th Floor, DTE(Fb.) Building,
Dakshin Mark, Sector 36-A, Chandigarh-160 036
2. The Director Of Technical Education,
Jammu and Kashmir
3. The Registrar,
Jammu University, Jammu Tawi
4. The Principal / Director,
MODEL INSTITUTE OF ENGINEERING AND TECHNOLOGY
KOT BHALWAL, JAMMU
181122
JAMMU AND KASHMIR,
JAMMU, JAMMU,
Jammu and Kashmir, 180001
5. The Secretary / Chairman,
MODEL INSTITUTE OF EDUCATION & RESEARCH
B.C. ROAD JAMMU,
JAMMU, JAMMU,
Jammu and Kashmir, 180001
6. Guard File(AICTE)

Application Number: 1-2812658-71
Note: This is a Computer generated Report No signature is required.
Printed By: AEG7351

Page 3 of 3
Letter Printed On: 27 April 2015



Annexure D

Copy of approval from University of Jammu



Directorate of College Development Council
University of Jammu, Jammu

Asstt. Registrar (CDC)

No. CDC/2016/3746-54
Dated:- 11/11/16

The Chairman,
Model Institute of Engineering & Technology,
Kot Bhalwal, Jammu

Subject: - Grant of renewal/extension of temporary affiliation for imparting instructions in B.E. course for the academic session 2016-17.

Sir/Madam,

I am directed to inform you that based on the recommendations of the Inspection Committee which conducted inspection of your college on 08.06.2016, the Vice-Chancellor, in anticipation approval of the competent body, is pleased to authorize grant of renewal/extension of temporary affiliation in favour of your college for imparting instructions in B.E. course for the academic session 2016-17 subject to the condition that the Director/Chairman of the college shall submit a compliance report for removal of deficiencies pointed out by the inspection Committee within a period of two months."

A copy of the inspection Report is also sent herewith for perusal and further necessary action at your end.

Yours Sincerely,


Assistant Registrar (CDC)

Copy to:-

- 11/16
1. Special Secretary to Vice -Chancellor, University, of Jammu.
 2. Sr. P.A to Registrar/Controller of Examinations.
 3. Deputy Registrar/Asstt. Registrar (Exams. / Regd. / Coord. / Inf. / Acad. /Admission) University of Jammu.

Annexure E

Copy of certificate of NAAC Accreditation





Annexure F

Copy of the Peer-Review Report

PEER TEAM REPORT ON INSTITUTIONAL ACCREDITATION OF MODEL INSTITUTE OF ENGINEERING & TECHNOLOGY JAMMU, JAMMU & KASHMIR – 180 018 (Visit Date: 10 – 11 April 2012)

Table with 2 columns: Section I: GENERAL and Information. Rows include: 1.1 Name and Address of the Institution, 1.2 Year of Establishment, 1.3: Current Academic Activities at the Institution (Numbers), 1.4: Three major features in the institutional Context, 1.5: Dates of visit of the Peer Team, 1.6 Composition of the Peer Team which undertook the on-site visit.

S. A. S. P. J.



2.1 Curricular aspects:	
2.1.1 Curricular Design & Development	<ul style="list-style-type: none"> • Being an affiliated college limited role in curriculum design but feedback is sent to the concerned university through HoDs who are members of respective BOS. • Provisions of value added courses through tie up with MNC's. • Courses in Engineering, Management and Computer Science have scope for employability in the global perspective.
2.1.2 Academic Flexibility:	<ul style="list-style-type: none"> • Institute is offering 4 UG courses in Engineering, MBA, MCA and 3 Certificate courses. • Option of electives in final year as per the scheme of the affiliating university.
2.1.3 Feedback on Curriculum	<ul style="list-style-type: none"> • Feed back collection from students is formal and parents informal. • Feedback on curriculum from peers and other stake holders is limited.
2.1.4 Curriculum Update	<ul style="list-style-type: none"> • The college implements revised curriculum as and when the university undertakes revision. • Recent updation have been made by the university in 2011
2.1.5 Best Practices in Curricular Aspects (If any):	<ul style="list-style-type: none"> • Value added courses at certificate level.
2.2 Teaching-Learning & Evaluation:	
2.2.1 Admission Process and Student Profile	<ul style="list-style-type: none"> • Centralized and transparent admission process by the Govt. of J & K at UG level. • For MCA & MBA, admissions are done by the University of Jammu.
2.2.2 Catering to the Diverse Needs	<ul style="list-style-type: none"> • Provision of remedial classes for slow learners. • Mentoring system exists. • Yet to address the needs of differently abled students.
2.2.3 Teaching-Learning Process	<ul style="list-style-type: none"> • Academic calendar is prepared and implemented. • Lecture method is predominant and participative learning activities are encouraged.

S. S. S. S.



	<ul style="list-style-type: none"> Industrial visits and expert lectures are arranged.
2.2.4 Teacher Quality	<ul style="list-style-type: none"> 110 teachers out of which 13 are Ph.Ds Faculty development is carried out through research work and attending seminar/conferences/orientation courses. Cadre ratio needs improvement. Not enough senior faculty to mentor the junior ones.
2.2.5 Evaluation Process and Reforms:	<ul style="list-style-type: none"> Evaluation methods are communicated to the students at the beginning of the academic session. Continuous evaluation system exists. Transparency in evaluation is maintained and mechanism for grievance redressal established.
2.2.6 Best Practices in Teaching-Learning and Evaluation (If any)	<ul style="list-style-type: none"> Introduction of E-Magazine, E-Learning Management System. Tie up with IBM, CISCO & EMC for certification.
2.3 Research, Consultancy & Extension:	
2.3.1 Promotion of Research:	<ul style="list-style-type: none"> Research Committee exists to promote and monitor research activities. Separate budget is earmarked for R&D activities. Students are also encouraged for paper presentation in the conferences. Collaborative research in the college yet to gain momentum.
2.3.2 Research and Publications Output:	<ul style="list-style-type: none"> Teachers have published some research papers in peer reviewed journals. 3 patents filed by the College. Some papers presented by the faculty in conferences & seminars.
2.3.3 Consultancy:	<ul style="list-style-type: none"> The faculty needs to develop expertise and potential to offer consultancy services. The college is yet to generate resources through consultancy.

Handwritten signature/initials



2.3.4 Extension Activities:	<ul style="list-style-type: none"> The college promotes participation of students and faculty in extension activities through NSS volunteers. State/University level awards yet to be obtained by NSS units.
2.3.5 Collaborations:	<ul style="list-style-type: none"> Collaborations need to be established for faculty exchange and professional development of teachers.
2.3.6 Best Practices in Research, Consultancy & Extension (If any):	
2.4 Infrastructure and Learning Resources:	
2.4.1 Physical Facilities for Learning	<ul style="list-style-type: none"> Campus with 40.8 acres of land and sufficient built up area of 17648 sqm. Separate Administration Block, classrooms, labs, library, workshop conferences rooms etc. available. The existing infrastructure is optimally utilized. Provisions for differently abled students need to be created.
2.4.2 Maintenance of Infrastructure:	<ul style="list-style-type: none"> Provision for separate budget for maintenance of infrastructure and equipment. Computers are on annual RCS and housekeeping, sanitation and security are outsourced.
2.4.3 Library as a Learning Resources	<ul style="list-style-type: none"> Library has an advisory committee and open access system facilitated. Member of DELNET. Library has 17725 books with 5397 titles, 96 journals and 2,147 online journals. Computerized library with automated bar coded system. Need to extend the working hours of library beyond college hours.
2.4.4 ICT as Learning Resources	<ul style="list-style-type: none"> The college has 458 computers. The college has a website and internet with broadband of 4 MBPS. Computer faculties are available during college hours only.
2.4.5 Other Facilities:	<ul style="list-style-type: none"> Common room with indoor games and outdoor games facilities namely basket ball, badminton and volleyball. Outdoor games facilities and gymnasium need to be provided.

S. Anshu



	<ul style="list-style-type: none"> Provision for some staff quarters, guest house and hostel for students need to be created in the campus for academic activities beyond college hours.
2.4.6 Best Practices in the development of Infrastructure and Learning Resources (If any):	<ul style="list-style-type: none"> Wi-Fi Campus. Good green campus.
2.5 Student Support and Progression:	
2.5.1 Student Progression:	<ul style="list-style-type: none"> High percentage of success rate in university examinations. Good number of students opting for higher studies.
2.5.2 Student Support:	<ul style="list-style-type: none"> Merit cum means scholarships for semester toppers are provided by the college. Placement cell, counselling services, cell for preventing sexual harassment etc. are functional.
2.5.3 Student Activities:	<ul style="list-style-type: none"> Students participated and won some prizes in intercollegiate cultural and academic meets. Alumni association yet to be formed. Student chapters of IETE and ISTE exist.
2.5.4 Best Practices in Student Support and Progression (If any):	<ul style="list-style-type: none"> Free-ships to select student on merit cum means basis. College encourages co-curricular activities.
2.6 Governance and Leadership:	
2.6.1 Institutional Vision and Leadership:	<ul style="list-style-type: none"> The college is committed to provide quality higher education. College ISO 9001:2008 certified. Principal as a leader encourages and motivates faculty, staff and students.
2.6.2. Organizational Arrangements:	<ul style="list-style-type: none"> Well defined organizational structure and decentralization of powers. Grievance Redressal cell for employees exists. Congenial atmosphere between management, students and staff.
2.6.3 Strategy Development and Deployment	<ul style="list-style-type: none"> Strategic plan for development is made by the governing body. Administration is attempted to be made effective through the functioning of various committees. MIS to be made systematic and effective.

S. A. S. Bork



	<p>M.Phil and Ph.D.</p> <ul style="list-style-type: none"> • Industry-Institution linkages need strengthening. • Research activities weak. • Absence of formalised consultancy services. • Faculty attrition rate very high.
3.3 Institutional Opportunities:	<ul style="list-style-type: none"> • To commence M.Tech. programmes. • Securing of more placement opportunities through linkages. • Building collaborations for skill development practical exposure and industrial experiences..
3.4 Institutional Challenges	<ul style="list-style-type: none"> • Attracting and retaining quality faculty. • Strengthening faculty by acquiring M.Tech and Ph.D qualifications. • Start more courses in different branches of study in engineering.

<p>Section IV: Recommendations for Quality Enhancement of the Institution (Please limit to ten major ones and use telegraphic language) (It is not necessary to indicate all the ten bullets)</p>
<ul style="list-style-type: none"> • P.G courses be started in engineering branches to fill up the deficiency of qualified teachers. • Faculty rooms to be equipped with computers and internet facility. • Number of books in the library to be increased by adding more titles. • Equipments in workshops and laboratories need updating. • Initiation of consultancy programme. • Efforts for resource mobilization. • Hostel facility for students and accommodation facility for staff may be provided. • Canteen needs improvement. Gymnasium and separate common rooms for girls and boys are to be provided.

S. A. S. P. K.



- Outdoor sports and games facilities to be created.
- Future Planning for sustainable development through land use planning, rain water harvesting, organic farming.
- Creation of a formal Alumni Association.

I agree with the observations of the Peer Team as mentioned in this report

Seal of the Institution

[Handwritten Signature]
 Signature of the Head of the Institution
 Model Institute of
 Engineering & Technology
 Jammu - 181122

Signature of the Peer Team Members:

Name	Designation	Signature with date
Prof. S.C. Sahasrabudhe	Chairperson	<i>[Signature]</i> 11/4/2012
Dr. Surjit Angra	Member- Coordinator	<i>[Signature]</i> 11/4/2012
Prof. S.V. Sudheer	Member	<i>[Signature]</i> 11/4/12
Dr. M.S. Shyamasundar	NAAC Coordinator	

Place: *Jammu*
 Date: *11/4/2012*



Annexure G

Copy of ISO Certificate

Certificado · Sertifika · प्रमाण पत्र · Zertifikat · شهادة



MODEL INSTITUTE OF EDUCATION & RESEARCH

Model Academy-The Prestigious School of M I E R
 M I E R College of Education
 B C Road, Jammu (J&K) - 180 001
 Model Institute of Engineering & Technology (M I E T)
 Kot Bhalwal, Jammu (J&K)- 181 122, India

This certificate verifies that the above Organisation has been audited on the above address for scope as under and found to be in accordance with the requirements of Management system.

ISO 9001:2008
Quality Management System

Providing All Round Education to Students from Pre Primary to 10+2

Providing Education & Training for Bachelors and Master Degree Programme in Education, Special Education, PGDCA and Other Teacher Education & Training Programmes Including UGC Sponsored Programmes

Providing High Quality Professional & Technical Education Conforming to The Requirements of Statutory and Regulatory Bodies

Certificate No: **Q-01161116** Original Issue Date: **12 Oct 2013**
 Issue Date: **16 Nov 2016** Issue No: **01** Valid Till: **14 Sep 2018**

After successfully completion of Annual Surveillance Audit, Continuation letter will be issued.

This Certificate is valid as per Rules and Regulations of ECI, & also the surveillance audits conducted atleast once a year.
 To check the certification validity please contact: info@theeci.com







Equalitas Certifications Limited

Accreditation by JAS-ANZ Accreditation System of Australia and New Zealand (Accreditation No. 344102101) FECCA House, 4 Prepps Close, Deakin, ACT 2600, Australia
 817, Ansals Kirti Shikhar, 11 District Centre, Janakpuri, New Delhi-110058, India www.theeci.com



Annexure H

Copy of QCI Platinum Award



Annexure I

Copy of certificate of I3 India Innovation Initiative Award





Annexure J

Copy of “RICOH Education Excellence” Award



Annexure K

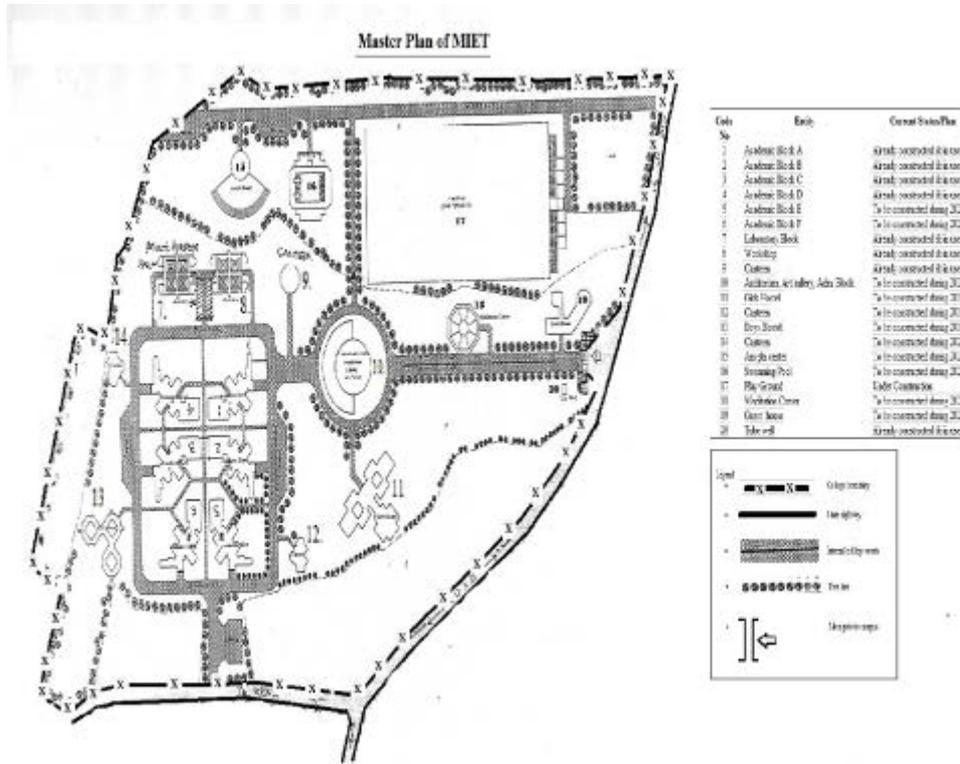
Copy of Outstanding Institution Award from NITTTR





Annexure L

Copy of Master Plan of the Institution





Annexure M

List of College Committees with Student Members

S.No	Name of the Committee	Faculty Members	Student Members
1	Cultural & Co. Curricular	<ul style="list-style-type: none"> • Ms. Surbhi Sharma • Ms. Smarti Gosani • Ms. Meghna Sharma • Ms. Shifali Tickoo • Ms. Parul Mahajan 	<ul style="list-style-type: none"> • Anushka Gupta • Pavni Malhotra • Anirudh • Deepali Koul
2	Professional Development & Training & Value Added Courses	<ul style="list-style-type: none"> • Mr. Jamini Sharma • Ms. Rashmi Chalia • Ms. Radhika Khanna • Ms. Ankita Nanda • Ms. Anshu Khosla • Mr. Manish Lamba • Mr. Shafqat Shamim 	<ul style="list-style-type: none"> • Sahil Koul • Bhanu Chib • Rohit Wanchoo • Aarohi Sharma • Atal Sharma
3	Sports & Games	<ul style="list-style-type: none"> • Mr. Salim Qureshi • Ms. Meghna Sharma • Mr. Atul Singh Jamwal • Mr. Arun Sharma • Ms. Ankush Sharma • Mr. Anil Gupta 	<ul style="list-style-type: none"> • Rishab Mahajan • Lakshay Gupta • Vikas Kotwal • Keshav.



		<ul style="list-style-type: none">• Ms. Priya Manhas• Mr. Mubashir Hussain• Mr. Nitin Verma	
4	Student Support Services & Amenities	<ul style="list-style-type: none">• Dr. Parul Sharma• Ms. Swati Sharma• Mr. Purnendu Prabhat• Ms. Kanika Sachdev• Mr. Bhanu P Khajuria• Ms. Monika Balgotra	<ul style="list-style-type: none">• Sahil Hussain• Mantisha Sharma• Muskan
5	NSS, Extension & Outreach	<ul style="list-style-type: none">• Mr. Sahib Singh• Mr. Mohsin Khalid• Ms. Sunali Mehta• Ms. Divya Jain• Mr. Niranjana Singh• Ms. Minakshi Sharma• Mr. Bhanu Pratap Jamwal• Mr. Arun Sharma• Mr. Niranjana Singh	<ul style="list-style-type: none">• Sahil Hussain• Ashish Kumar• Adhfar Bashir• Duha Rashid
6	Maintenance House Keeping & Hospitality	<ul style="list-style-type: none">• Mr. Ashutosh Raina• Mr. Ankush Sharma	<ul style="list-style-type: none">• Anakshi Koul• Mrinali



		<ul style="list-style-type: none"> • Ms. Sakshi Bhandari • Ms. Suparti Koul • Ms. Inderpreet Kour • Mr. Puran Singh 	<p>Gupta</p> <ul style="list-style-type: none"> • Kavita Sharma • Anmol Sharma
7	Placement, Alumni & Guidance Counseling	<ul style="list-style-type: none"> • Prof. P.N Sharma • Mr. Ankit Sharma • Mr. Vishal Gupta • Mr. Akhil Mahajan • Mr. Pankaj Sharma • Mr. Anil Gupta • Mr. Jamini Sharma • Mr. Sahil Sawhney 	<ul style="list-style-type: none"> • Rohit Wanchoo • Parul Jamwal • Ayush Malhotra • Jamal Lavay



Annexure N

Audited Income and Expenditure Sheet for last four years

DEEPAK SEHGAL & CO.,
CHARTERED ACCOUNTANTS

H.NO.323,SECTOR-1A, PH. NOS.:- (O) 01912472955
TRIKUTA NAGAR EXTN., MOBILE NO.:- 9419190682
JAMMU-180012.

AUDITOR'S REPORT

WE HAVE EXAMINED THE STATEMENT OF AFFAIRS AS ON 31.03.2013 OF M/S MODEL INSTITUTE OF ENGINEERING AND TECHNOLOGY,KOT BHALWAL, JAMMU AND THE ANNEXED INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD 01.04.2012 TO 31.03.2013 AND HAVE TO REPORT THAT :-

1. WE HAVE OBTAINED ALL THE INFORMATION AND EXPLANATIONS WHICH TO THE BEST OF OUR KNOWLEDGE AND BELIEF WERE NECESSARY FOR THE PURPOSE OF THE AUDIT.
2. IN OUR OPINION, PROPER BOOKS OF ACCOUNTS HAVE BEEN KEPT BY THE ASSESSEE SO FAR AS APPEARS FROM THE EXAMINATION OF THESE BOOKS.
3. THE STATEMENT OF AFFAIRS AND THE ANNEXED INCOME AND EXPENDITURE ACCOUNT DEALT WITH OUR REPORT ARE IN AGREEMENT WITH THE BOOKS OF ACCOUNTS PRODUCED.
4. IN OUR OPINION AND TO THE BEST OUR INFORMATION AND ACCORDING TO THE EXPLANATIONS GIVEN TO US,THE SAID ACCOUNTS GIVE A TRUE AND FAIR VIEW:-
 - a) IN THE CASE OF THE BALANCE SHEET OF THE STATE OF THE ABOVE NAMED ASSESSEE'S AFFAIRS AS AT 31.03.2013 AND
 - b) IN THE CASE OF THE INCOME AND EXPENDITURE ACCOUNT OF THE SURPLUS OF THE ABOVE NAMED ASSESSEE FOR THE PERIOD 01.04.2012 TO 31.03.2013.

PLACE: JAMMU FOR DEEPAK SEHGAL & CO.
DTAED:20.09.2013 CHARTERED ACCOUNTANTS



MIET (A UNIT OF MIER), B.C. ROAD, JAMMU
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2013

PARTICULARS	AMOUNT PARTICULARS	AMOUNT	
SALARY & ESTABLISHMENT	33313726.00	STUDENT FEES	82292826.00
ADVERTISEMENT & PUBLICITY	113156.00	MISC. INCOME	929514.00
AWARDS, SCHOLARSHIPS, STIPEND TO STUDENTS AND		GRANT IN AID	8540.00
SPONSORSHIPS AND EDUCATIONAL ASSISTANCE	30000.00	INTEREST RECEIVED	11825515.00
MISC. EXPENSES	115148.00	TRANSPORT CHARGES	986475.00
CONTRIBUTION TO UNIVERSITY AND BOARD	5525998.00		
(SERVICE CHARGES, EXAMINATION FEES & CORPUS FUND)			
INSURANCE	275135.00		
PLANT AND MACHINERY MAINTENANCE	395684.00		
STAFF & STUDENT WELFARE	56410.00		
EDUCATIONAL TOURS, VISITS & CONFERENCES	363683.00		
WATER & ELECTRIC CHARGES (RENT & MAINTENANCE)	927520.00		
FURNITURE REPAIRS & MAINTENANCE	13324.00		
GENERATOR RUNNING & MAINTENANCE	910536.00		
MEMBERSHIP/SUBSCRIPTION/ISO CERTIFICATION FEES	90015.00		
POSTAGE, TELEPHONE, TELEGRAMS & INTERNET	294950.00		
PRINTING AND STATIONERY	381030.00		
SPORTS & GAMES EXPENSES	25145.00		
DEPRECIATION	6003866.85		
VEHICLES RUNNING & MAINTENANCE	889406.00		
INSPECTION/AFFILIATION FEES	856690.00		
NEWSPAPERS, PERIODICALS, MAGAZINES & JOURNALS	881965.00		
TRANSFER TO BUILDING FUND	40000000.00		
LEGAL EXPENSES	197790.00		
BUILDING MAINTENANCE	764585.00		
GRATUITY PAID	1000000.00		
BANK INTEREST	1251494.00		
SCHOOL TRANSPORTATION CHARGES	567312.00		
WORKSHOP & LAB EXPENSES	29292.00		
SURPLUS	769019.15		
	96042870.00	96042870.00	



SIGNED IN TERMS OF OUR REPORT OF EVEN DATE.



SIGNED IN TERMS OF OUR REPORT OF EVEN DATE
FOR DEEPAK SEHGAL & CO.
CHARTERED ACCOUNTANTS
(DEEPAK SEHGAL & CO.)
PROP.



MODEL INSTITUTE OF ENGINEERING AND TECHNOLOGY, JAMMU
SCHEDULE OF FIXED ASSETS AS ON 31.03.2013

PARTICULARS	W.D.V	ADDITIONS	TOTAL	AMOUNT OF DEP.	NET BLOCK
LAND DEVELOPMENT	980383.00	0.00	980383.00	0.00	980383.00
BUILDING	48612909.96	15836541.00	64449450.96	-3017374.81	61432076.15
FURNITURE	1710054.55	161100.00	1871154.55	-466056.45	1405098.10
LIBRARY BOOKS	1684783.25	405973.00	2090756.25	-267983.29	1822772.96
COMPUTER HARDWARE	1764344.32	1916850.00	3681194.32	-1075512.13	2605682.19
VANS AND CARS	353913.03	388676.00	742589.03	-168337.51	574251.52
PLANT & MACH. & LABS.	4922362.20	1093619.00	6015981.20	-854640.12	5161341.08
BUSES	492912.98	0.00	492912.98	-147873.90	345039.08
TUBE WELL	121772.71	0.00	121772.71	-6088.64	115684.07
	60643436.00	19802759.00	80446195.00	-6003866.85	74442328.15





DEEPAK SEHGAL & CO.,
CHARTERED ACCOUNTANTS

H.NO.323,SECTOR-1A,
TRIKUTA NAGAR EXTN.,
JAMMU-180012.

PH. NOS.- (0) 01912472955
MOBILE NO.:- 9419190682

AUDITOR'S REPORT

WE HAVE EXAMINED THE STATEMENT OF AFFAIRS AS ON 31.03.2014 OF M/S MODEL INSTITUTE OF ENGINEERING AND TECHNOLOGY, KOT BHALWAL, JAMMU AND THE ANNEXED INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD 01.04.2013 TO 31.03.2014 AND HAVE TO REPORT THAT :-

1. WE HAVE OBTAINED ALL THE INFORMATION AND EXPLANATIONS WHICH TO THE BEST OF OUR KNOWLEDGE AND BELIEF WERE NECESSARY FOR THE PURPOSE OF THE AUDIT.
2. IN OUR OPINION, PROPER BOOKS OF ACCOUNTS HAVE BEEN KEPT BY THE ASSESSEE SO FAR AS APPEARS FROM THE EXAMINATION OF THESE BOOKS.
3. THE STATEMENT OF AFFAIRS AND THE ANNEXED INCOME AND EXPENDITURE ACCOUNT DEALT WITH OUR REPORT ARE IN AGREEMENT WITH THE BOOKS OF ACCOUNTS PRODUCED.
4. IN OUR OPINION AND TO THE BEST OF OUR INFORMATION AND ACCORDING TO THE EXPLANATIONS GIVEN TO US, THE SAID ACCOUNTS GIVE A TRUE AND FAIR VIEW:-
 - a) IN THE CASE OF THE BALANCE SHEET OF THE STATE OF THE ABOVE NAMED ASSESSEE'S AFFAIRS AS AT 31.03.2014 AND
 - b) IN THE CASE OF THE INCOME AND EXPENDITURE ACCOUNT OF THE SURPLUS OF THE ABOVE NAMED ASSESSEE FOR THE PERIOD 01.04.2013 TO 31.03.2014.

PLACE: JAMMU
DTAED:26.08.2014

FOR DEEPAK SEHGAL & CO.
CHARTERED ACCOUNTANTS






MODEL INSTITUTE OF ENGINEERING AND TECHNOLOGY

STATEMENT OF AFFAIRS AS ON 31.03.2014

LIABILITIES	AMOUNT	TOTAL	ASSETS	AMOUNT	TOTAL
CAPITAL FUND			FIXED ASSETS		
OPENING BALANCE	11447868.91		(AS PER SCHEDULE ANNEXED)		
CAPITAL GRANT IN AID	1900000.00				
ADD SURPLUS	2668296.40	16017165.31	CURRENT ASSETS, LOANS AND ADVANCES		
ENDOWMENT FUND WITH UNIVERSITY			TDS	2000000.00	6014483.00
			SUN LAB EQUIPMENTS INDIA PVT LTD	39580.00	39580.00
DEVELOPMENT FUND (RESERVE FOR DEVELOPEMENT)			PREPAID INSURANCE	83699.00	83699.00
OPENING BALANCE	224226035.17		SECURITY DEPOSITS	129999.00	129999.00
ADD SURPLUS	40000000.00	264226035.17	OXYS TECHNOLOGIES PVT LTD	98378.00	98378.00
			INTER UNITS		
			COLLEGE OF EDUCATION	2326681.00	2326681.00
			MIET	38310258.00	38310258.00
			NTTC	40.00	40.00
			CWS	26000.00	26000.00
CURRENT LIABILITIES			MODEL ACADEMY	549278.00	549278.00
STAFF SECURITY PAYABLE			3055452.56	8492.00	8492.00
LIBRARY & STUDENT SECURITY PAYABLE			10914010.00		
CANTEEN SECURITY			CASH & BANK BALANCES		
LEGAL & PROF. CHARGES PAYABLE			35000.00		
TEA MACHINE SECURITY			60000.00		
AMAM TECHNOLOGIES			12000.00		
			PNB-919	169061.50	169061.50
			PNB-920	4873.00	4873.00
			PNB-921	806468.50	806468.50
			PNB-924	2626.00	2626.00
			ICICI BANK	22737.00	22737.00
			FORS*	138499456.00	138499456.00
			INTEREST ACCURED BUT NOT YET RECEIVED	22478728.00	22478728.00
			PNB-918	2070283.29	2070283.29
			PNB-1701	1406880.00	1406880.00
				296419663.04	296419663.04

PLACE:-JAMMU
DATED:-26.08.2014

SIGNED IN TERMS OF OUR REPORT OF EVEN DATE
DRS DEEPAK SENGAL & CO
CHARTERED ACCOUNTANTS
(DEEPAK SENGAL)
PROP.



MIET (A UNIT OF MIER), B. C. ROAD, JAMMU
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2014

PARTICULARS	AMOUNT PARTICULARS	AMOUNT	
SALARY & ESTABLISHMENT	34641345.00	STUDENT FEES	70252550.00
ADVERTISEMENT & PUBLICITY	137270.00	MISC. INCOME	17074696.00
AWARDS, SCHOLARSHIPS, STIPEND TO STUDENTS AND		GRANT IN AID	25462.50
SPONSORSHIPS AND EDUCATIONAL ASSISTANCE	111872.00	INTEREST RECEIVED	12662164.00
MISC. EXPENSES	167390.70	TRANSPORT CHARGES	1544405.00
CONTRIBUTION TO UNIVERSITY AND BOARD	7571780.00		
(SERVICE CHARGES, EXAMINATION FEES & CORPUS FUND)			
INSURANCE	236541.00		
PLANT AND MACHINERY MAINTENANCE	446530.00		
SOCIAL & CO-CURRICULAR ACTIVITIES	1623.00		
STAFF & STUDENT WELFARE	113535.00		
DONATION & CHARITY	551000.00		
EDUCATIONAL TOURS, VISITS & CONFERENCES	392112.00		
WATER & ELECTRIC CHARGES (RENT & MAINTENANCE)	1042409.00		
FURNITURE REPAIRS & MAINTENANCE	38878.00		
GENERATOR RUNNING & MAINTENANCE	589551.00		
MEMBERSHIP/SUBSCRIPTION/ISO CERTIFICATION FEES	208554.00		
POSTAGE, TELEPHONE, TELEGRAMS & INTERNET	367094.00		
PRINTING AND STATIONERY	208246.00		
SPORTS & GAMES EXPENSES	72435.00		
VEHICLES RUNNING & MAINTENANCE	1242389.00		
DEPRECIATION	7024394.40		
INSPECTION/AFFILIATION FEES	587348.00		
NEWSPAPERS, PERIODICALS, MAGAZINES & JOURNALS	516984.00		
LEGAL EXPENSES	176595.00		
TRANSFER TO DEVELOPMENT FUND	40000000.00		
BUILDING MAINTENANCE	793290.00		
BANK INTEREST	401095.00		
SCHOOL TRANSPORTATION CHARGES	1155841.00		
WORKSHOP & LAB EXPENSES	79279.00		
SURPLUS	2669296.40		
	101559277.50	101559277.50	





SIGNED IN TERMS OF OUR REPORT OF EVEN DATE,
FOR DEEPAK SINGHAL & CO
CHARTERED ACCOUNTANTS
(DEEPAK SINGHAL)
PROP.

PLACE:-JAMMU
DATED:-26.08.2014



MODEL INSTITUTE OF ENGINEERING AND TECHNOLOGY, JAMMU
SCHEDULE OF FIXED ASSETS AS ON 31.03.2014

PARTICULARS	W.D.V	ADDITIONS	TOTAL	AMOUNT OF DEP.	NET BLOCK
LAND DEVELOPMENT	980383.00	0.00	980383.00	0.00	980383.00
BUILDING	61432076.15	13667688.00	75099764.15	-3586540.13	71513224.02
FURNITURE	1405098.10	159950.00	1565048.10	-398670.25	1166377.85
LIBRARY BOOKS	1822772.96	100108.00	1922880.96	-268974.70	1653906.26
COMPUTER HARDWARE	2605682.19	1028200.00	3633882.19	-1643849.10	1990033.09
VANS AND CARS	574251.52	0.00	574251.52	-148673.72	425577.80
PLANT & MACH. & LABS.	5161341.08	997782.00	6159123.08	-868390.58	5290732.50
BUSES	345039.08	0.00	345039.08	-103511.72	241527.36
TUBE WELL	115684.07	0.00	115684.07	-5784.20	109899.87
	74442328.15	15953728.00	90396056.15	-7024394.40	83371661.75





MODEL INSTITUTE OF ENGINEERING & TECHNOLOGY (A Unit of MIER Group)

Kot Bhalwal, Jammu.

[INCOME & EXPENDITURE ACCOUNT FOR THE YEAR (2014-2015) AS ON 31.03.2015]

Particulars	Amount	Particulars	Amount
RECCURING EXPENDITURE		INCOME	
Salary & Establishment	36406337.00	Tuition Fees	65408834.00
University Charges	7808316.00	Interest & Misc.	37148582.56
Student & Staff Transport Exp.	1676807.00	Transport Charges	2248600.00
Power & Fuel Exp.	2555111.00		
Repair & Maintenance Exp	1727795.00		
Library & Laboratory Exp.	1117859.00		
Misc. Expenses	690881.40		
Research Dev/Seminars/Training&Placements Exp.	644734.00		
Application,Assesment,Inspection,Processing Fees	474904.00		
Insurance Charges	439342.00		
Education Tours, Visits & Conference Exp.	408355.00		
Legal, Professional & Audit Fee	395800.00		
Education Technology&Software Dev.Exp	292621.00		
Printing & Stationary Exp.	258496.00		
Co-Curricular/Cultural Activities Exp.	189684.00		
Advertisement & Publicity Exp.	156776.00		
Interest Paid	134052.00		
Dispensary Medicine Exp.	105147.00		
Postage, Courier & Telephone Exp.	44766.00		
Scholarships, Awards & Educational Assistance	28000.00		
Total of Reccuring Expenditure	55555783.40		
NON RECCURING EXPENDITURE			





Building	24324817.00		
Computers & Equipments	4671951.00		
Vehicles	4260000.00		
Library Books & Furniture	336878.00		
Total of Non Recurring Expenditure	33593646.00		
Total of Recurring & Non Recurring	89149429.40		
Transfer to Reserve for Development	15656587.16		
Total	104806016.56	Total	104806016.56

Place :- Jammu
Dated:- 24/08/2015

For Depak Sehgal & co.
Chartered Accountants


Prop.

DEEPAK SEHGAL & CO.
CHARTERED
ACCOUNTANTS

H.NO.323,SECTOR-IA,
TRIKUTA NAGAR EXTN.,
JAMMU-180012

PH NOS.:- (O) 2472955
(M)9419190682

AUDITOR'S REPORT

We have audited the annexed Income and Expenditure Account of M/s Model Institute of Engineering & Technology Kot-Bhalwal Jammu for the year ending 31.03.2015 from the books of accounts produced and report this to be in agreement with the same.

Place :jammu
Dated:25.08.2015

For Depak Sehgal & co.
Chartered Accountants


Prop.



MODEL INSTITUTE OF ENGINEERING & TECHNOLOGY

Kot Bhalwal, Jammu

INCOME & EXPENDITURE STATEMENT FOR THE YEAR 2015-2016 AS ON 31.03.2016

Particulars	Amount	Particulars	Amount
RECCURING EXPENSES		INCOME	
Salary & Establishment	38690784.00	Tuition Fees	70207967.00
University Charges	9489687.00	Interest Received & Misc	39311309.00
Co-Curricular/Cult. Activities/Games Sports	4570761.00	Transport Fees	2775859.00
Repair & Maintenance Exp.	2473342.00		
Student & Staff Bus Charges	2217796.00		
Power & Fuel Exp.	2136759.00		
Library & Laboratory Exp.	1258302.00		
Insurance Charges	415042.00		
Research Dev/Semin/Training & Placemnts.	365955.00		
Edu. Technology&Software Dev. Exp	345369.00		
Edu. Tours & Visits,Conferences Exp.	333618.00		
Application/Registration/Inspection Fees	327101.00		
Printing & Stationary Exp.	314069.00		
Advertisement & Publicity Exp.	287304.00		
Awards/Scholarships & Edu. Assistance Exp	193000.00		
Legal & Professional/Audit Charges	165035.00		
Interest Paid	157413.00		
Dispensary Medicine Exp.	106992.00		
Misc. Expenses	68507.00		
Bank Charges	50972.00		
Postage & Courier & Telephone Expenses	41971.00		
TOTAL OF RECCURING EXPENSES	64009779.00		





NON-RECURRING EXPENSES			
Building	14962500.00		
Equipments	921360.00		
Furniture & Fixtures	782315.00		
Library Books	500543.00		
Computers	257250.00		
TOTAL OF NON-RECURRING EXPENSES	17423968.00		
TOTAL OF RECURRING & NON-RECURRING EXP	81433747.00		
TRANSFER TO RESERVE FOR DEVELOPMENT	30861388.00		
TOTAL	112295135.00	TOTAL	112295135.00

PLACE :- JAMMU
DATED :- 25.08.2016

In terms of report of even date,
FOR DEEPAK SEHGAL & CO.
CHARTERED ACCOUNTANTS
(DEEPAK SEHGAL)
PROP.

DEEPAK SEHGAL & CO.
CHARTERED
ACCOUNTANTS

H.NO.323,SECTOR-1A,
TRIKUTA NAGAR EXTN.,
JAMMU-180012

PH NOS.:-(O) 2472955
(M)9419190682

AUDITOR'S REPORT

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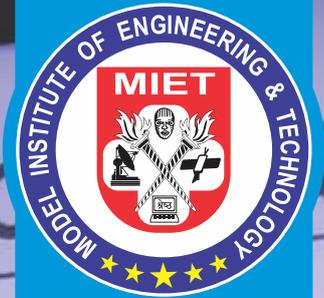
Place :Jammu
Dated:25.08.2016

For Deepak Sehgal & co.
Chartered Accountants
(Deepak Sehgal)

January 2017 | Volume 8

IntraNet

Annual Newsletter of the Model Institute of Engineering & Technology



Prof. Ankur Gupta, Director, MIET accepting the QCI D.L. Shaw Platinum Award from Hon'ble Minister of State for Civil Aviation, Mr. Jayant Sinha during the National Quality Conclave at New Delhi.

INSIDE

Institutional Achievements | Event Showcase | Events & Activities | Distinguished Lectures
Faculty Roundup | MBA Roundup | MCA Roundup | Special Initiatives | Research &
Development | Student Events | Training & Placement | Student Achievers | IQAC Roundup
Sport Corner | Alumni Events | Alumni in Focus....



Vice Chancellor, JU, Prof. R.D Sharma along with Director, Colleges Development Council, Mr. Jai Kumar felicitating MIET Leadership Team on receiving QCI D.L. Shaw Platinum Award

MIET Conferred D.L. Shaw Platinum Award by Quality Council of India (QCI) at National Quality Conclave

In a landmark achievement for Model Institute of Engineering and Technology and the State of J&K, the Quality Council of India (QCI) conferred the prestigious D.L. Shaw Platinum Award for Quality to MIET for its innovative quality analytics software, PI-360 during the 11th National Quality Conclave at New Delhi on 19th August, 2016.

The Quality Council of India is an autonomous body setup by the Govt. of India to drive quality initiatives including certification and accreditation across all sectors and industry verticals. The QCI-D.L. Shaw Awards for quality are the highest recognition accorded to quality initiatives which are innovative and demonstrate impact on organizational quality. Out of the award categories, the platinum award recognizes the best of the best quality initiatives, the other categories being Gold and Silver awards. It is noteworthy that MIET was the only educational institution from across India which received the platinum

award making this achievement all the more stellar. MIET is also the first organization from J&K to receive this prestigious award from the QCI. The award was accepted by Prof. Ankur Gupta, Director, MIET from Hon'ble Minister of State for Civil Aviation, Mr. Jayant Sinha at the inaugural ceremony of the National Quality Conclave at Hotel Le Meridian, New Delhi. MIET was in august company as other platinum award winners were industry heavy-weights such as HDFC Standard Life, Bosch Automotive Electronics, Lupin Ltd., Rashtriya E-Market Services, BEML Limited and Bharti Foundation. MIET received this



recognition for its patent pending, multiple award winning quality analytics software framework Performance Insight 360, which automates measurement, tracking and benchmarking of individual stakeholders and institutional performance on key parameters. Prof. R.D Sharma, Hon'ble Vice Chancellor, University of Jammu along with Mr. Jai Kumar Sharma, Director, CDC later felicitated MIET leadership team on this outstanding achievement. The VC described the PI-360 software developed at MIET as a significant innovation.



Prof. Ankur Gupta receiving Ricoh Education Excellence Award from Mr. Manoj Kumar, MD, Ricoh & Prof. S.S. Mantha Former Chairman AICTE.

MIET Wins Ricoh Education Excellence Award Recognized as Best Institution for Enabling Technology in Student Services

Model Institute of Engineering & Technology received another National-level award in 2016, this time from the Industry when it received the Ricoh Education Excellence Award at New Delhi on 23rd Feb. 2016. Ricoh is a 22 Billion Dollar Japanese conglomerate which has instituted the Education Excellence Awards to recognize innovation in Indian higher education.

2016 was the season of awards and recognition for MIET as it was recognized as the Best Institution for Enabling Technology in Student Services at the Ricoh Education Excellence award ceremony held at Hotel Le Meridian, New Delhi in February, 2016. Prof. Ankur Gupta, Director, MIET accepted the award from Mr. Manoj Agarwal, MD, Ricoh India and Prof. S. S. Mantha, Former Chairman of the All India Council for Technical Education (AICTE). Other institutions which were nominated along with MIET in the same award category included SRM University, TERI University, PESIT College and

Marathwada University, which are some of the leading names in higher education in India. Thus, for a private institution from Jammu to be adjudged better than some of the top institutions across India in technology adoption is a matter of great pride for MIET and the entire state of J&K. A total of 136 nominations were received from all over India. Some of the institutions which won awards in other categories included IIT-Delhi and BITS-Pilani Hyderabad. MIET representing J&K was indeed in august company and successfully made a mark at the national level in higher education. The Ricoh awards for Education



Excellence were managed by PricewaterhouseCoopers (PwC) one of the leading consulting companies in the world. All nominations for the awards were screened and shortlisted by PwC and then forwarded to an eminent Jury comprising Prof. S.S. Mantha, Former Chairman AICTE, Vice Chancellors of Amity University and Apeejay Stya University, Director, Birla Institute of Management and Technology, Director, Amrita School of Business, Director, MDI Gurgaon and Director General of Indian Institute of Mass Communication.

MIET Organizes National Seminar on Performance Assessment & Benchmarking of Higher Education Institutions - Oct. 2016

MIET organized the NAAC (National Assessment and Accreditation Council) sponsored National Seminar on “Performance Assessment and Benchmarking of Higher Education Institutions” from 21st to 22nd October, 2016. Prof. A.S. Brar, Hon'ble Vice Chancellor, Guru Nanak Dev University (GNDU), Amritsar and Executive Committee Member, NAAC was the Chief Guest on the occasion, while Mr. Avik Mitra, Senior Advisor, Quality Council of India and Dr. Meenakshi Kilam, Director, DIQA, University of Jammu were the Guests

of Honor. Dr. Arun K. Gupta, Chairman, MIER Group presided over the function. The two-day seminar focused on evolving novel models for assessing and benchmarking higher education institutions in India. Over 40 research papers were presented during both days by researchers from various institutions such as University of Jammu, Central University of Jammu, Pune University, Sri Mata Vaishno Devi University (SMVDU), Govt. College for Women Parade, MIET College of Education and MIET. Mr. Avik Mitra from the Quality Council

of India delivered the inaugural keynote address on the risks and challenges in the auditing process, stressing the need for customization over standardization for achieving better results. Dr. Meenakshi Kilam, presented a keynote on the discovering the SOUL of an institution based on strategy, operations, urgency and leadership. A demonstration of the Performance Insight-360 (PI-360) framework and its utility as an effective IT-based tool for institutional audit was presented by Prof. Ankur Gupta and Mr. Sahil Sawhney.



From Left to Right : Prof. Ankur Gupta, Dr. Adit Gupta, Dr. Arun K Gupta, Prof. A. S. Brar, Dr. Renu Gupta, Mr. Avik Mitra, Prof. S K Sharma





4th CSI J&K State Student Convention - Nov. 2016

MIET organized the 4th Computer Society of India (CSI) J&K State Student Convention in November 2016 in which 400 students and faculty members from the region participated. Mr. Shiv Kumar, Technical Director, National Informatics Centre (NIC), New Delhi and Regional Vice President (Region 1), CSI was the Chief Guest while Mr. Saurabh Agarwal, Head – Marketing and Communications, Middle East and Africa, Tata Consultancy Services and Regional Student Convener, CSI was the Guest of Honor on the occasion. Events included workshop on Big Data by EMC Corp., Hackathon on SMAC technologies and technical quiz for students.

3rd CSI J&K State Student Convention - Feb. 2016

The 3rd Computer Society of India (CSI) J&K State Student Convention was also organized by MIET in Feb. 2016. Mr. Hirdesh Kumar, IAS, Commissioner Secretary Technical Education, Youth Services and IT was the Chief Guest, while Mr. Amit Sharma, Managing Director, SIDCO was the Guest of Honor during the inaugural function. A one-day workshop on Cybersecurity and Ethical Hacking was organized in which over 100 students participated. A technical paper presentation contest for students was also organized and cash prizes presented to the winners. The convention is the only such technical student event in the region.



Seminar on Women Empowerment Through Entrepreneurship - March 2016

A Seminar on Women Empowerment Through Entrepreneurship was organized on March 10th, 2017 in association with the PHD Chamber of Commerce and Industry (PHDCCI). Dr. Naheed Soz, Managing Director, J&K State Women Development Corporation was the Chief Guest on the occasion while Mr. Vikrant Kuthiala, Chairman of the PHDCCI J&K Committee was the Guest of Honour on the occasion. Around 120 budding women engineers from MIET attended the event. Three successful women entrepreneurs of Jammu city, Mrs. Renuka Raina Modi, Owner Renuka Cakes, Ms. Ritika Trehan, MD Ritz Manor and Looks Salon and Ms. Monika Manohar, Founder and



Owner Women Alive fitness were the special invitees at the event. They shared their entrepreneurial journey's, challenges and the satisfaction of achieving success with the young engineers and encouraged them to follow their dreams and passions in an

uninhibited manner. They were honored by the PHD Chamber of Commerce and Industry in recognition of their achievements. Later the students interacted with the entrepreneurs asking them insightful questions.

Workshop on Intellectual Property Rights - March 2016

MIET in association with Micro, Small and Medium Enterprises, Govt of India organized a Two-Day workshop on Intellectual Property Rights (IPR) from March 14-15, 2016. Prof. T Rama Krishna, Professor of Law & Head Center for IPR Research & Advocacy, National Law School of India University, Bangalore was the chief resource person while Dr. R.K Raina Consultant IIIM, Jammu was the industry expert. Mr. Virender Gupta, Director, MSME, J&K coordinated the workshop along with Prof. P.N Sharma, Head MIET School of Management. Over 130 students and 20 faculty members from MIET participated in the workshop and received certificates. The workshop provided exposure to



students to the various instruments of protection of intellectual property including patents, copyrights, trademarks etc. and the applicability of these instruments in various scenarios. Case studies on the use of IPR instruments were presented and group

discussions initiated. The broad contours of patent specifications and the online filing system were discussed. MIET has been a pioneer in the IPR field in J&K filing a total of 13 patents till the end of 2016 with 3 more in the pipeline.

World Telecom and Information Society Day - May 2016

World Telecom and Information Society Day 2016 was celebrated on 17th May, 2016. Prof. Rajni Kant, Department of Physics and Electronics, University of Jammu was the Chief Guest on the occasion. The Highlight of WTISD, 2016 was the panel discussion by industry experts comprising Mr. Ashutosh Bajaj, Circle Head, Reliance Jio, Mr. Imran Ahmed, Head, Service Operations, Ericsson India, Mr. Akhil Chopra, GM, Business Development, Airmesh, Mr. Kulbhusan Sharma, DGM, BSNL and Mr. Saurabh Lunkar, Marketing Head, Vodafone. The student project exhibition was highly appreciated for the innovative projects on show.



National Science Day - Feb. 2016



National Science Day-2016 was celebrated on 29th February, 2016. The main theme of the Science Day was "Make in India: Science and Technology Driven Innovations". Professor Manoj Kumar Dhar, Director, School of Biotechnology, University of Jammu was the chief guest of the inaugural function. Prof. Dhar spoke on latest innovations in Science and Technology especially with reference to Biotechnology. 15 students presented papers on emerging areas of science and technology which hold promise for manufacturing and commercialization in the Indian context.

Engineers' Day Workshop on Innovation - Sept. 2016

A novel workshop on "Innovation Demystified" was conducted by Prof. Ankur Gupta on Engineer's Day for the students of MIET. The workshop covered aspects such as the need for innovation, patent wars, innovation in academia, mindset of innovators, the innovation process and lifecycle, the road ahead and seeding ideas. In the highly interactive session, Prof. Gupta took the students through case-studies of successful innovations at MIET spanning 13 patents, 2 IT products incubated and 3 mobile applications developed. The students learnt that innovation stems from deep observation and problem solving skills.



EVENTS & ACTIVITIES

Guest Lectures



Guest Lecture on Some Summability Methods in Approximation Theorem by Prof. M. Mursaleen, Dept. of Mathematics, Aligarh Muslim University on 19th Feb. 2016.



Guest lecture on Digital Signatures and Web Security by Prof. Lalit Sen Sharma, University of Jammu on 21st May 2016.



Awareness-cum-orientation session on Endeavour Awards of Australian Govt. by Dr. Adit Gupta, Director, MIER on 30th May 2016.



Guest lecture on Personal Branding by Mr. Dipankar Gupta, Co-Founder and Director Sales & Marketing, Suventure, Bengaluru on 13th Oct. 2016.

Industrial Visits



IT Dept. visited Institute of Integrative Medicine, Jammu on 20th Oct. 2016.



EE Dept. visited Salal Hydroelectric Power Project on 24th Oct. 2016.



ECE Dept. visited INTEX & UFLEX at SIDCO, Jammu on 1st Oct. 2016.

NSS Activities



Blood Donation with Dept. of Blood Transfusion, GMC on 8th Mar. 2016.



Fire Safety Demo and Drill by Fire Safety Dept. on 20th July 2016.



Save Trees and Plantation Drive Campaign on 17th Nov. 2016.

Mr. Gautam Mahajan President Inter-Link Foundation

Mr. Gautam Mahajan, President Inter-Link and Customer Value Foundation delivered a Distinguished Lecture at Model Institute of Engineering and Technology. The theme of the lecture was "Total Customer Value Management". Over 250 students of MIET from different disciplines attended the event.

Mr. Gautam Mahajan is an alumnus of IIT-Madras where he was an institute merit holder. He has an MS degree from the prestigious Illinois Institute of Technology, USA which conferred on him its Distinguished Alumni award. He also holds an MBA from the Sawyer Business School, Suffolk University. He worked as General Manager at Continental Can, the world's largest packaging company for over 17 years in the USA where he had a distinguished career. He holds 18 US patents including the pervasive design of the plastic pet bottle which is used world-wide and noise-cancellation kits used in DG sets. He was the first president of the Indo-US Chamber of Commerce, a body facilitating US businesses to setup operations in India and promoting trade.



Prof. Javed L. Khan Kent State University

Prof. Javed L. Khan, Chairperson Computer Science Department at Kent State University (KSU) accompanied by a team from the India Liaison Office visited the Model Institute of Engineering and Technology for interaction and exploring future collaboration opportunities. Prof. Khan also delivered a Distinguished Lecture on Next-Generation Networks with a specific focus on Software-Defined Networking for 200 Computer Science, IT and MCA students of MIET. Prof. Khan elucidated the fundamental problems in the domain and some possible research-based solutions that his lab at KSU is working on.

Prof. Khan and his team interacted with the students and answered their queries on the various programmes at KSU, focus areas of computer science department, profile of recruiters, median salaries and student life in general. MIET has launched a programme to create international career and education options for its students, under which it is aggressively reaching out and creating linkages with foreign universities.

FACULTY ROUNDUP



Selection in Indo-AustraliaVELT Programme

Prof. Ankur Gupta was selected among the 40 education leaders under AICTE across India for the Australian- India Vocational Education Leadership Training Programme (VELT). The fully sponsored training programme was held in Delhi from 21st to 23rd November, 2016 and covered all aspects of planning and delivering world-class training programmes on vocational education.



ISTE Best Teacher Award

Ms. Surbhi Sharma, Assistant Professor from Electronics and Communication department was awarded the ISTE "Section Best Teacher" Award- 2016 at the ISTE annual student convention. She was recognized for her outstanding commitment to teaching and positive feedback of her students. The event was organized at Rayat-Bahra University, Ropar Campus on 4th & 5th Nov. 2016.

Faculty Development Programmes



In July Mr. Rishi Gupta & Mr. Purnendu Prabhat faculty at Department of Computer Science, MIET attended the "Advanced Research in CS/IT" programme organized by IEEE Computer Society (Delhi Section) & IIPC (AICTE) of BVICAM, New Delhi, in collaboration with CSI Division – I & ISTE Delhi Section at BVICAM, New Delhi. Cloud computing research and challenges were discussed in detail.



Ms. Surbhi Sharma & Ms. Meena Kohli, faculty members from Department of Electronics and communication, MIET attended a Workshop on "FPGA Based digital system design" at NITTTTR, Chandigarh. Experts from CSIO Chandigarh, Panjab University and NITTTTR enlightened the participants on latest trends, applications and research issues.



Dr. Ankita Nanda, faculty at MIET School of Management attended a month long refresher course at the University of Jammu. It was a multi disciplinary exposure to acquaint the participants of the latest trends in various disciplines, importance of research apart from academic teaching. Exposure to management techniques, time management and planning was also provided.

Research Paper Presented at Dubai



Mr. Sahil Sawhney, Manager Strategic Initiatives was invited to present research paper titled "A Case for Strategic Management in Higher Education in India" jointly written along with Dr Ankur Gupta, Director MIET at ICLIE, 2016 held at Palm Atlantis, Dubai. The paper was one among ten selected for full-waiver of registration fee among 600 research papers.

NSE Certification in Financial Modelling



Mr. Akhil Mahajan, Faculty at MIET School of Management has been awarded with the certification on Financial Modeling by IMS Proschool in collaboration with National stock Exchange in July 2016. This course focuses on how to calculate the intrinsic value of the share price, evaluating business fundamentals and future projections.

Certified as Intl. Lead Auditor



Mr. Sahil Sawhney, Manager Strategic Initiatives and Ms. Ruksana Salathia, Quality Assurance Officer at MIET were certified as International lead auditors after completing five day training cum certification programme on new ISO standard 9001:2015. The programme was certified by the IRCA, London and was carried out at BSCIC Certifications Pvt. Ltd. Delhi.

Keynote Address at 18th NCSSCA



Prof. Ankur Gupta delivered the Keynote Address at the 18th National Conference of Society of Statistics, Computer Applications (SSCA Conference 2016) at University of Jammu on 11th February 2016. The topic of the keynote address was "Devising Performance Metrics and Analytics for Higher Education".

Research Paper Published in High Impact Journal

Dr. Satyendra Singh, ECE published a research paper titled "Performance of RF Sputtered p-Si/n-ZnO Nanoparticle Thin Film Heterojunction Diode in High Temperature Environment"



jointly written along with Purnima Hazra and P. Chakrabarti in the international journal, "Applied Surface Science", a high-quality Elsevier journal, indexed in SCIE with an impressive impact factor of 3.15. Dr. Singh received his Ph.D degree from NIT Allahabad, India in 2016.



MIET Shines at 2nd National Business Plan Competition at University of Jammu - Nov. 2016

The team of MIET MBA 1st Semester students comprising of Ms. Reetika Thakur, Ms. Preeti Chib and Ms. Niyoti Kapoor presented Business Plan on "Craft Art Using Waste Material", at the

2nd National Business Plan Competition held at University of Jammu on 16th Nov. 2016. The team won 2nd position and cash award of Rs 5000/- out of 25 teams which partici-

pated in the event across North India. Another innovation in the plan was its women empowerment theme as they intended to put together an all women team to operationalize the business.



CII J&K State Annual Session - Feb. 2016

Prof. P.N. Sharma along with Mr. Sahil Sawhney attended CII J&K State Annual Session for the year 2015–16 followed by a Session on "Sustainable Infrastructure–A Key Enabler" on 19th Feb. 2016 at Hotel Fortune Inn Riviera, Jammu. MIET is an institutional member of CII and the MIET School of Management is an active participant in all CII events and sessions. The team from MIET provided valuable inputs and feedback and participated in the selection process of the Chairman and Vice Chairman of the CII, J&K Chapter.



Entrepreneurship Workshop - Feb. 2016

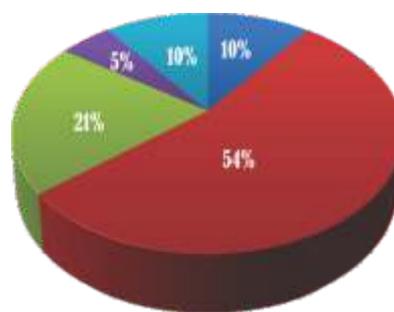
A workshop on Entrepreneurship Awareness was organized in collaboration with the MSME, Govt. of India, at MIET School of Management on 17th Feb. 2016. Mr. Saheel Yaqoob, Asst. Director MSME, Mr. B.B. Raina, Proprietor Pelican Cables & Mr. Sahil Verma, Proprietor Pure-Mart & budding entrepreneur from J&K conducted interactive sessions on Entrepreneurship with 60 students of MBA. The workshop covered market survey, business planning, financial and operations management.



Placement Season 2016

The MIET School of Management achieved 100% placement in 2016. 19 students got placed in ICICI Pru at a package of 2.0 Lakh per annum, 8 got placed in Adorit Financial at 2.0 LPA, 3 got placed in IndusInd Bank at 2.5 LPA and 1 placement each in Airtel, Reliance Securities, VIVO, Policy Bazar & Hotel Marriott at an average package of 2.5 LPA.

Sector-Wise Placements



■ HR ■ Marketing ■ Finance/Services
■ IT/Operations ■ Self-employed



Freshers Party - Sept. 2016

Fresher's Party for the MIET School of Management was organised at Hotel KC Orchid, Jammu on 10th September 2016. All MBA 1st & 3rd Sem students along with faculty members attended the event. The fresher's party was well organized with students showcasing their talents in singing, dancing, modeling & mono acting. Prizes for Mr. and Ms. Fresher were also presented.

Invited Lectures Series



Prof. Vinay Chouhan was invited from TBS, University of Jammu for conducting a research workshop to foster a culture of research and innovation among budding managers. He apprised the MBA students & faculty on various contemporary issues, techniques for identifying research problems and research methodologies. He also referred & discussed several cases from Harvard Business School.



MIET School of Management Invited Prof. Alka Sharma from The Business School, University of Jammu for the Invited Lecture on "Customer Relationship Management" on 7th Oct 2016. She apprised the audience on the ever-changing marketing environment and dynamics which requires businesses to constantly adapt while creating unique value and lasting experiences for customers. Several case-studies were discussed.



Mr. Dipankar Gupta, CEO, Suventure Services, Bengaluru was invited to deliver a lecture on "Personal Branding" for students of the School of Management and Department of Computer Science Engineering. Mr. Gupta while interacting with the students urged upon the need for students to create professional "personal digital brand" to effectively reach out to recruiters. Both web and social media branding were discussed.

321 MIET Faculty and Students

Trained and Certified by IIT, Bombay-May 2016



Over 321 faculty members and students from different departments of MIET cleared online examination and received certifications from IIT Bombay under the Spoken Tutorial

project of MHRD, Govt. of India. The online test and certification programme was conducted under the auspices of the IIT Bombay, Super Resource Center established at MIET,

recently. MIET is the only technical institution in the region to have been recognized as the IIT Super Resource Center by IIT Bombay. This initiative is driven by the MCA department.

Top Placements 2016



Massive Open Online Course (MOOC's) adopted by MCA



The MCA Department introduced novel academic initiative by incorporating the following MooC courses on latest technologies from the University of San Diego, USA:

1. Internet of Things
2. Introduction to Big data
3. Data Visualization
4. Training in Machine Learning with Data



MIET became the first private institution in the state of J&K to be approved as Technology Business Incubator under Ministry of Small and Medium Scale Enterprises. Under this scheme, the institution has been approved a financial grant of 66.5 Lakh for incubating ten business ideas every year from campus. A 12 member management committee comprising experts from academia, industry, finance and government agencies is

set up for monitoring the progress of TBI. Till now four business ideas have been approved by the management committee which are pending for final approval by the central committee. The ideas pertain to solving real-world issues through the use of SMAC technologies (Social, Mobile, Analytics and Cloud). The Business Incubator (BI) at MIET, Jammu is intended to serve as a laboratory to launch new start-ups in emerging domains with a

distinctive local context i.e. J&K Focus. MIET is committed to helping start companies which generate revenue and create local employment opportunities. Creating a vibrant start-up ecosystem in J&K will play a key role in ushering in progress in the J&K. The setting up of the BI at MIET is well-aligned with MIET's objectives of providing thought and technical leadership besides creating significant value for all stakeholders.

MIET received the unique distinction of getting empaneled under Pradhan Mantri Kaushal Vikas Yojna (PMKVY) a flagship scheme of the Ministry of Skill Development & Entrepreneurship (MSDE) as a training partner for imparting training as per the guidelines of National Skill Qualification Framework (NSQF). The objective of this Skill Certification Scheme is to enable a large number of youth

to take up industry-relevant skill training that will help them in securing a better livelihood. Individuals with prior learning experience or skills will also be assessed and certified under Recognition of Prior Learning (RPL) framework. The first batch of 75 students was inducted in the month of Dec. in the areas of Customer Relationship Management, Customer Service and Tele-Calling.

First student chapter of ACM in J&K set up at MIET

MIET set up the first student chapter of the Association for computing Machinery (ACM), USA in the state of J&K. Student Chapters of the ACM provide unique opportunities for networking, mentoring and exposure to cutting-edge technologies. The MIET Student Chapter celebrated its foundation through a pizza party and conducted the ACM signature event, "Hour of Code". Distinguished Lectures, codathons and research events are planned for 2017.





Mr. Sahil Sawhney and Mr. Rishi Gupta from MIET receiving Startup Board award from AICTE Chairman, Prof. Anil Sahasrabudhe during valedictory function of 8th India Innovation Initiative at Hotel Lalit, New Delhi.

MIET Finishes in Top 10 at India Innovation Competition - Nov. 2016

Model Institute of Engineering and Technology received another national-level recognition when its team was recognized as a top innovator at the Eighth India Innovation Initiative, jointly organized by the All India Council for Technical Education (AICTE), Department of Science and Technology (DST) and Confederation

of Indian Industries (CII). The entry from MIET was the software analytics framework, Performance Insight 360 which is already a multiple award winning software developed by the Center for Software Development at MIET. In round 1 of the competition, the entry from MIET was selected in the top 51 across India out of 600 entries.

In the second and final round, the entry from MIET finished in the top 9 awardees in the country and received the Startup Board Award carrying cash prize of rupees ten thousand and commercialization support. Prof. Ankur Gupta, Mr. Sahil Sawhney, Mr. Rishi Gupta and Mr. Purnendu Prabhat were part of the winning team.

Patents Filed



A METHOD OF AUTOMATED ATTENDANCE MANAGEMENT USING MOBILE DEVICES ON CUSTOM WIRELESS NETWORKS

Application no. 201611006177
(February 2016)
by

**Prof. Ankur Gupta,
Ashish Deep Singh and Nausheen Saraf**



A METHOD OF ATTENDANCE MANAGMENT

Application no. 201611012431
(April 2016)
by

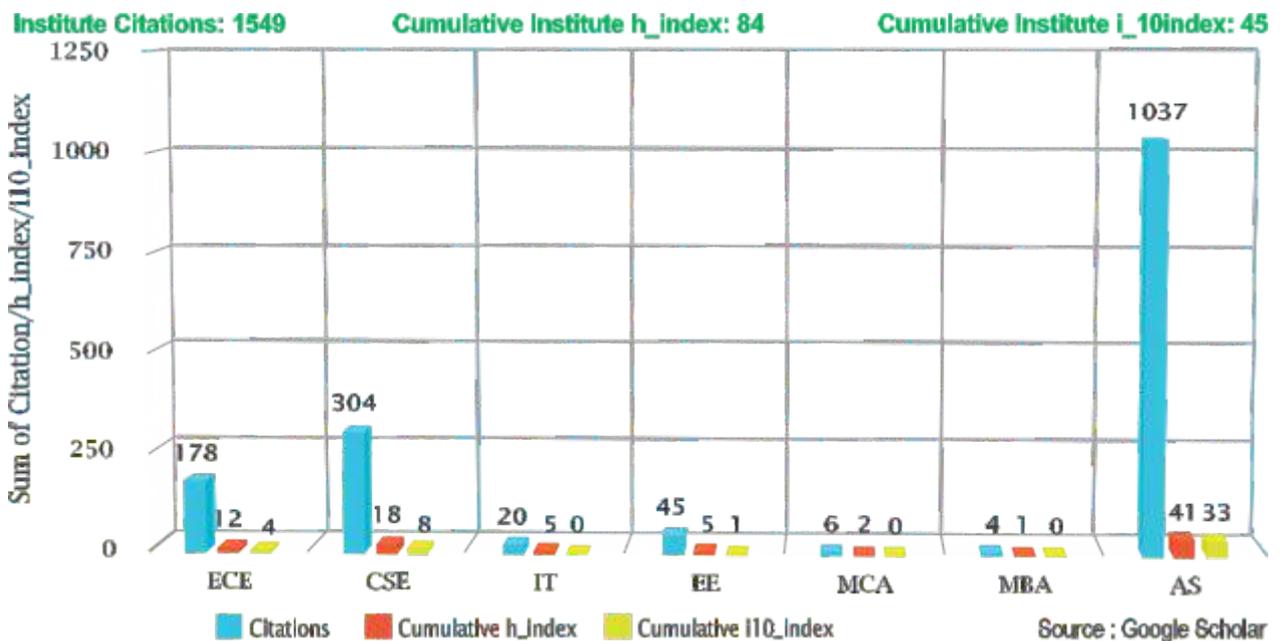
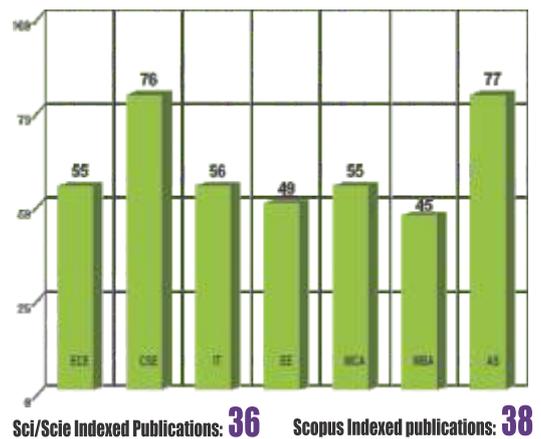
Prof. Ankur Gupta



Research Awards Organized October 2016

The Model Institute of Engineering and Technology and the MIER College of Education, flagship institutions under the MIER Group organized the sixth edition of the Research Awards at MIET campus during Oct. 2016. The Research Awards are a unique initiative by the MIER Group to encourage research by providing financial incentives and recognition to faculty members for producing quality research output. Prof. Jigar Mohammed, Dean Research Studies, University of Jammu was the Chief Guest and presented the awards. Rs. 1.5 Lakhs in incentives were paid out to faculty members as part of the awards.

Department-wise Research Papers Published Till Date



STUDENT EVENTS



SAMMILAN 2K16

8th Edition of J&Ks Largest Techno-Cultural Fest - March 2016
60 Technical, Cultural and Sports Events, 3000 students, 2 Lakh
Cash Prizes, Scintillating Performances, Vh1 Supersonic Nite.....

GLIMPSES



I SURVIVE

Adventure Boot Camp

- April 2016

Twenty five I-Survive camps across three levels were rolled out from April to May 2016 for all the 1500+ students of MIET. The camps were received very well by the students who described it as a unique experience. For a majority of the students it was a first-time exposure to camping and adventure activities and they appreciated the efforts put in by the college authorities in creating this unique experience for them. The special draw among the adventure activities was the 100 ft. climb and free-fall using a special climbing net which all students found very challenging yet thrilling. Professional trainers put the students through grueling activities designed at imparting life-skills to the students. Apart from providing an adrenalin-rush these activities also imparted key learnings pertaining to overcoming individual fear and mental-blocks, pushing yourself and testing your limits and finally trusting others and working as a team. The camp started early in the morning with a rigorous trek and winded down with a campfire. The camps have been conceived and executed to create world-class student experiences at MIET.



Placements 2016

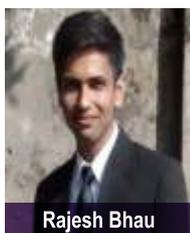
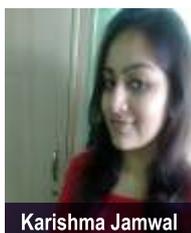
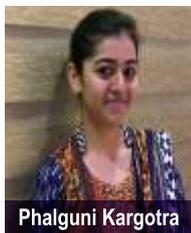


Eight students got placed in Canadian Global Information Technology Group, more commonly known as CGI Group Inc., at an annual package of 2.80 lakhs per annum in the pool campus drive conducted at MIET campus.



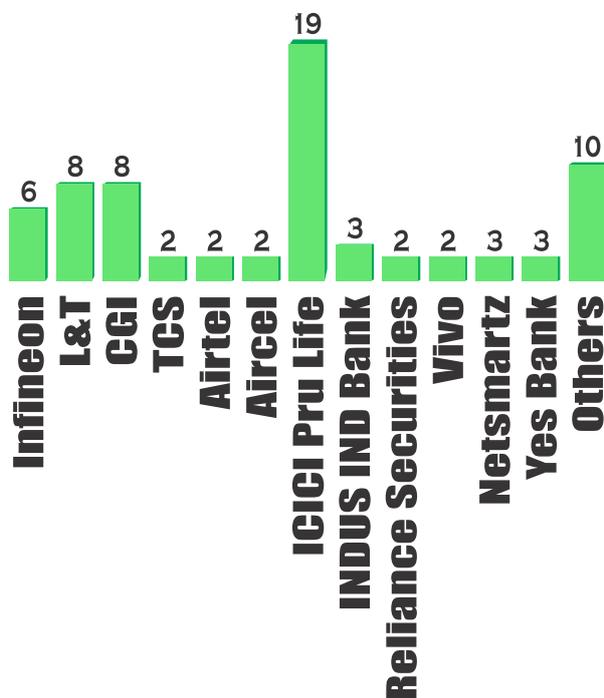
Ms. Rijuta Goswami and Ms. Pavni Malhotra, final year students from Computer Science & Engineering got selected as Software Engineer in Hewlett Packard at a pay package of 4.2LPA.

Infineon Technologies selects 6 MIET students for R&D Internship during campus drive



Germany-based Infineon Technologies (formerly Siemens AG) selected 6 final-year students from MIET for their highly paid R&D internship programme during campus drive at MIET Jammu. The selected students will undergo an eleven-month internship programme at various research divisions at Infineon Technologies at a handsome stipend of Rs. 25,000 per month. Infineon Technologies follows a unique recruitment model selecting promising engineering graduates from across the country for the internship programme. Post internship students are eligible for a package of 10 LPA.

Placement Statistics



Workshop on Latex January 2016



Latex is a programmatic typesetting program widely used in formatting research papers and scientific reports. Over 100 faculty and students at MIET were trained and certified on Latex in January 2016. As part of the training faculty members prepared their final manuscripts using Latex.

Workshop on Mechatronics May 2016



Students of ECE and EE carried out innovative projects such as a colour-aware sorting machine, context-aware robot and auto-navigating car during the two-day workshop on mechatronics. The workshop saw the enthusiastic participation of over 120 students.

Workshop on Scilab March 2016



ECE deptt. organized a three-day workshop followed by a certification test on Scilab under the spoken tutorial project of IIT Bombay under the Super Resource Center. It was conducted for the students of 8th semester, ECE, in which 33 students and 10 faculty members got certified.

Workshop on 6th Sense Robotics March 2016



2 days Workshop based on Robotics was organised by MIET and Sixth Sense Robotics and Automations Pvt. Ltd for the students. Focus of the workshop was the use of Arduino in completing small yet innovative projects in the domain of IoT and embedded systems.

"JIGAYASA" Seeing aim in Life September 2016



An introductory session about "Discovering the aim of human life" was delivered by Mr. Sudheera Sampad Das, member of The Akshaya Patra Foundation, Vrindavan. It was organised by ECE department for about 100 students from 2nd & 3rd year B.E programs.

Hour of Code December 2016



The ACM student chapter at MIET organised "Hour of Code" on 9th Dec 2016. Hour of Code gives students an opportunity to gain skills on solving real-world problems. The Hour of Code is a global movement designed to generate interest in coding especially in students.

MIET bagged Overall Best Performance trophy



MIET bagged the "Overall Best Performance" Trophy at North Zone ISTE Annual Student Convention at Rayat-Bahra Campus, Ropar for the fifth consecutive year.

MIET students develop Live Human Detection Drone



DC Jammu, Mr. Simran Deep Singh appreciating MIET students Rishabh, Avinash and Manu for their innovative Project "Drone for Detecting Survivors Under Rubble."

MIET's got Talent winners 2016



Winners and finalists of the first ever MIET's Got Talent competition which was decided through online voting on YouTube.



Sahil Koul and Danish Zargar were awarded with "ISTE Best Student Award-2016" during the award ceremony held at NIT Hamirpur.



Ankur and Sanjay created history by clinching the regional championship of Tata Cruicible 2016 held at parade college Jammu for the third consecutive time.

International Admissions



Vinal Talwar, CSE
Binghamton University
New York, USA



Adirath Kapoor, CSE
University of Missouri
Kansas-City, USA



Nitin Bhandari, CSE
University of Missouri
Kansas-City, USA



Vikrant Jasrotia, ECE
Lambton College,
Toronto, Canada



Samar Afzal, ECE
Audencia Business School
France



Aakarsh Gupta, CSE
University of Technology
Sydney

International Internship Breadcrumbs, Singapore



Sahil Koul and Rohit Wanchoo, both final year students from Computer Science and Engineering were selected for an international internship with Singapore based startup, Breadcrumbs which provides analytics for the cloud.

First Prize in Quiz at BITS, Mesra



Ankur Mahajan, final-year student from CSE participated in "The ENIGMA QUIZ 2016" held at BITS Mesra Campus, Jaipur on 27 August, 2016 and bagged First Prize. He is a champion quizzier from MIET having won numerous awards.



Town Hall Meet

In a unique initiative to enhance better communication between MIET and its employees, a Town Hall meet was organized on 6th Oct. 2016. During this open forum, insights on institutional growth, environmental concerns, future policies and challenges were discussed and ideas sought.

Avid Reader Award

The "Avid Reader" Award has been instituted by the MIET Library and IQAC Cell to recognize frequent consumers of library services. Through the award it is hoped that a culture of visiting the library is created and the joy of reading is propagated. The award is given on a monthly basis by the Head librarian, Ms. Meena Bhan.



Tea with Director

The programme offers a unique platform for students and faculty to interact with the Director in an informal setup to discuss various initiatives and achievements of the institution. The programme has covered around 300 students and 80 faculty members so far and been effective in aligning everyone with institutional objectives.



PI-360 Training Sessions

IQAC Cell conducted over 20 training sessions for PI-360 in 2016 in which over 600 students from across departments participated. The sessions were intended to make the students proficient in using PI-360 and make it the de facto tool to track and benchmark their performance on a multitude of parameters.

Induction Programme

Induction programme for the fresh batch of B.E students was organized on 29th August, 2016 to apprise the students of the institute policies, share student-specific services and opportunities available to the students to broaden their horizons. Video messages from prominent alumni were also played.



Sub Staff Award

IQAC Cell at MIET started a healthy best-practice of recognizing Sub-staff for their outstanding work through a cash award and letter of appreciation. A "Sub-Staff of the Month" award was instituted and till date 12 staff members have been awarded for their excellent contributions in enhancing the quality of support services at MIET.



ISO Audit & Training



The annual ISO surveillance audit of MIET was conducted by Dr. Sunil Thaman, GM, BSCIC Certification on 22nd Nov. 2016. The audit covered all aspects of institutional functioning with a special emphasis on strategic management and risk management. Dr. Thaman oriented the participants on ISO 9001:2015 standards.

Anti Ragging Meeting



Meeting of the Anti Ragging committee constituted by the Director Academics accompanied by SHO and BDO of the area was held on 9th Aug. 2016 in the college campus to review and strengthen the measures to prevent ragging. The Committee decided on steps to implement the UGC regulations on curbing ragging.

Evaluating Teaching Effectiveness



This programme was initiated by the IQAC Cell for the teaching faculty having overall experience of 5 years and below in which they gave a demonstration on a core technical subject in front of a panel of subject experts. Best teachers were awarded with the certificates and feedback was shared to improve classroom teaching.

Advance Mentoring Programme for Leadership Development



Advanced Mentoring Programme for leadership development was a full one year training programme organised at MIET for developing the second line of Leadership. Eleven faculty members from across departments were identified and hand-picked to participate in this unique, one-of-a-kind initiative. At the beginning of the year, the participants carried out a SWOT analysis, created Individual Development Plans with well-defined KRA's and objectives with self-defined time-line for completion. Monthly review meetings were carried out By Prof. Ankur Gupta and Prof. S.K Sharma who drove the mentoring activities. The programme concluded in Dec. 2016 with one-full year of great learning, enhanced performance and achievement levels and positive feedback from the participants.

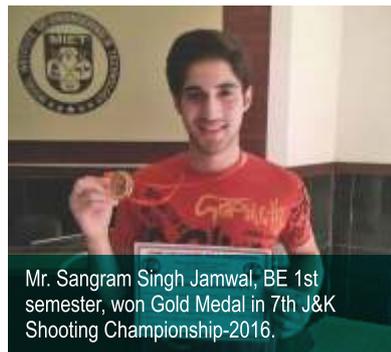
Youth Adventure Racing Event at Goa from 9th to 11th Dec. 2016



MIET team comprising of students Shivam, Tehseen, Azlan and Mr. Arun Sharma, faculty member participated in the three day adventure race from 9th to 11th December at Goa organized by Adventure Racing Federation of India headed by Gen. J.J. Singh Former Chief of Indian Army. The race was conducted day and night virtually non-stop over a distance of 100 Km with cycling, rafting and trekking. The team was among the ten teams which completed the race and received the "Underdog Team" award from Gen. Singh who happens to be a proud alumni of Model Academy, a sister organization of MIET.



Ms. Anshu Sharma, BE 6th Semester won Bronze medal in Sr. National Korfball at Nagpur in Feb. 2016.



Mr. Sangram Singh Jamwal, BE 1st semester, won Gold Medal in 7th J&K Shooting Championship-2016.



Ms. Rupali Sharma BE 5th Sem. got 8th rank in XXIII Junior National Fencing Championship held at Chhattisgarh during Jan 2016



Waqar Mir and Ashish Kotwal clinched the Gold and Bronze medal in Inter-college Power-lifting championship at JU.



Rupali Sharma & Adirath Kesar clinched individual Gold and Silver medals in the Inter-College Fencing Championship at JU.



Mr. Vir Bhadra, BE 5th Semester won Gold medal in inter-college Judo competitions held at University of Jammu.

CONNEXIONS 2016

Alumni Meet and Award Function

MIET organized the seventh Alumni Meet and Award Function, "Connexions 2016" on 28th October 2016. On this occasion, two Distinguished Alumni awards were presented to Mr. Manu Gupta from ECE, 1999 batch who is employed with Sprint, USA at Virginia and Mr. Swapan Sridhar from CSE, 2001 batch who currently works at Hortonworks, Palo Alto, USA in recognition of their outstanding professional accomplishments. While Mr. Manu Gupta was awarded in the Corporate Excellence category, Mr. Swapan Sridhar received his award for Technical Excellence. Musicians and vocalists from the MIET Music Club presented a soulful rendition of songs on friendship and memories with the alumni joining in.



Meet The Alumni Series



Mr. Rahul Sharma Batch 2001, ECE

He has work experience of 10 years and presently working as Specialist in Ericsson Global. He has many on site projects to his credit. He discussed the growth opportunities in telecom industry and future prospects for budding engineering graduates.



Mr. Rahil Bhatia Batch 2006, IT

Mr. Rahil Bhatia is a first-generation entrepreneur after 8 years of corporate experience including with HCL, UK. His interaction focused on

- general cheat sheet for corporate success
- critical parameters for success and
- understanding market trends



Mr. Chandan Banathia Batch 2010, IT

He is an Engineer at Samsung Research Institute, Noida. He visited the department and interacted with the students. He discussed about android development tools used at Samsung. He also discussed future prospects for students.

Meenakshi Gupta IT - 2002 Batch



Meenakshi graduated from MIET in 2006 from the IT branch and went on to complete Executive Post graduate programme from Indian Institute of Management, Kozhikhode with 5th rank. She has more than nine years of experience with Hewlett-Packard and currently working as Product specialist wherein she is responsible for managing all phases of software development, enhancement and maintenance for several product categories managing and leading cross-cultural teams.

Shaman Verma ECE - 2000 Batch

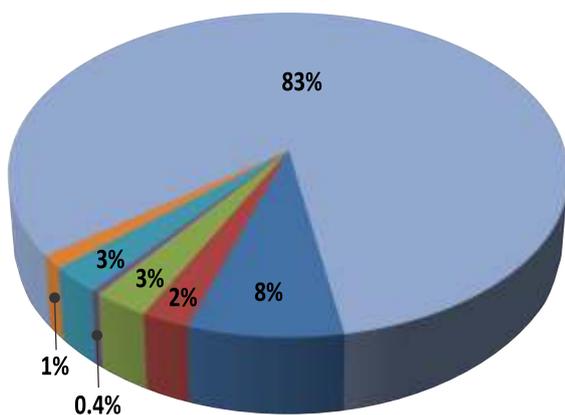


Shaman graduated from MIET in 2004 from the ECE branch and kick started his career as Project Site Engineer at BSES, a private electricity distribution company based out of Delhi. He has more than eleven years of experience in the Electrical and Automobile domain and is currently working at Mahindra First Choice Services Ltd. Mumbai as Territory Development Manager (Marketing and Operations) looking after franchising, vendor management and network development.

MIET Alumni Stats

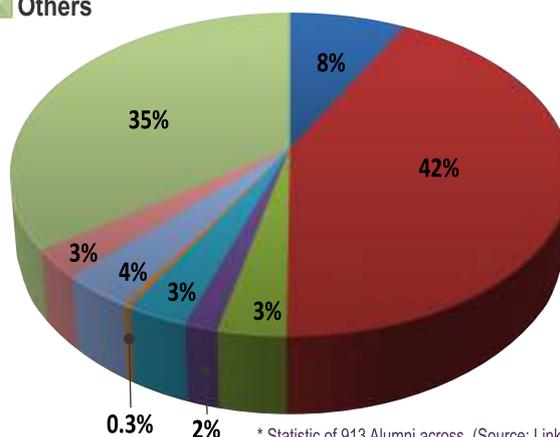
Geographical Distribution of Alumni

- US
- Australia
- Middle East
- Africa
- Europe
- Southeast Asia
- India



Sector-Wise Distribution of Alumni

- Engineering Services
- IT
- Operations
- Management
- Banking/Finance
- Defense/Army
- Education & Research
- Marketing & Advertisement
- Others



* Statistic of 913 Alumni across (Source: LinkedIn)

Dear Alumni

We take this opportunity to invite all our ex-students to join the “MIET Alumni” group on LinkedIn (<http://linkedin.com>) and get connected to the MIET community. You can also send us details of your current whereabouts, professional status and other achievements at alumni@mietjammu.in. Follow us on Facebook too at <https://www.facebook.com/pages/MIET/506637449419399> and keep up to date with the latest at MIET. Best of Luck! - Manager, Alumni Relations.



श्रेष्ठ



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