

The Annual Quality Assurance Report (AQAR) of the IQAC

ACADEMIC YEAR 2016-17
August 1, 2016 TO July 31, 2017

Part – A

I. Details of the Institution

1.1 Name of the Institution	Model Institute of Engineering & Technology
1.2 Address Line 1	Model Institute of Engineering & Technology
Address Line 2	Kot Bhalwal
City/Town	Jammu
State	Jammu & Kashmir
Pin Code	181122
Institution e-mail address	ankurgupta@mietjammu.in
Contact Nos.	0191 - 2623116
Name of the Head of the Institution:	Prof. Ankur Gupta
Tel. No. with STD Code:	0191-2623181
Mobile:	+919797522100

Name of the IQAC Co-ordinator:

Ms. Ruksana Salathia

Mobile:

9697028064

IQAC e-mail address:

ruksana.adm@mietjammu.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

F.19.26/EC(SC-28)/DO/2017/98.2,

EC/60/A8A/022, 5th July 2012

1.5 Website address:

www.mietjammu.in

Web-link of the AQAR:

http://www.mietjammu.in\naac\aqar\2016-2017.pdf

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.57	05/07/2012	04/07/2017
2	2 nd Cycle	A	3.02	30/10/2017	29/10/2022
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

01/08/2012

1.8 AQAR for the year (for example 2010-11)

2016-17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

- i. AQAR: 24/12/2016
- ii. AQAR: 24/12/2015
- iii. AQAR: 28/12/2014
- iv. AQAR: 26/12/2013

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

Masters in Computer Application

1.12 Name of the Affiliating University (*for the Colleges*)

University of Jammu

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc: **NO**

Autonomy by State/Central Govt. / University	<input type="text"/>		
University with Potential for Excellence	<input type="text"/>	UGC-CPE	<input type="text"/>
DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other (<i>Specify</i>)	<input type="text"/>
UGC-COP Programmes	<input type="text"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="7"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="2"/>
2.3 No. of students	<input type="text" value="17"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2. 6 No. of any other stakeholder and community representatives	<input type="text" value="3"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="1"/>
2.8 No. of other External Experts	<input type="text" value="2"/>
2.9 Total No. of members	<input type="text" value="34"/>
2.10 No. of IQAC meetings held	<input type="text" value="1"/>

2.11 No. of meetings with various stakeholders: No. Faculty
 Non-Teaching Staff/ Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

1. Digital Initiatives-100% Fee collection is online through HDFC payment gateway.
2. A new forum Facebook Workplace has been introduced for real time showcasing of day to day activities and events carried out by faculty members. The faculty members have been inspired and motivated to explore new teaching pedagogies and activities for better teaching experience.
3. Google classroom which was introduced last year is being effectively implemented across entire organization by 100% faculty members. The platform is used to disseminate valuable information like , e-class notes, Web Links NPTEL Lectures, MooC courses, Internal Assignments, Quizzes, etc. Students are also being encouraged to share information and collaborate in the teaching process.
4. Academia ERP system is being successfully used since last three years for admissions and online attendance of the students.
5. Social media outreach has been further strengthened with presence in social media channels like Instagram, You Tube and Twitter along with existing presence in Facebook and LinkedIn. The stakeholder perception towards the institute has considerably improved.
6. A new institutional Strategy Document has been formulated and shared with all key stakeholders.
7. Strategic roadmap has been successfully implemented and is being regularly updated/monitored.
8. A new program focused on Evaluating Teaching Effectiveness was initiated for all faculty members with less than 5yrs of experience. The process is followed by award of recognition to the best teacher.
9. A new program “Faculty Mentoring Program” for 11 mid-level faculty members was initiated. A research-based case study was carried out to measure its impact. The case study is scheduled to appear in a major international publication.
10. 214 students and 102 faculty members were covered under Tea with Director programme. It is a forum where in Director of the institution meets students and faculty in smaller groups and

- updates them on various initiatives carried out in the institution.
11. PI 360 orientation sessions are carried throughout the year and till now 750+ students have been covered under these sessions.
 12. Sub-staff of the Month” award has been continued as one of the best practice this year as well to recognize the outstanding support services delivered by sub-staff.
 13. Town Hall meet organized on 17th August 2017, for all the staff members Teaching/ Non-Teaching which is an open forum for staff to interact with the management.
 14. 17 faculty members based on their performance in Research, Achievements, Staff Development and Academics and corresponding PI360 index during last year were felicitated with certificate of recognition in the Town Hall Meet.
 15. Faculty Induction program was organized for 31 new recruits.
 16. Student Induction/orientation program was carried out for 450 students of BE, MBA and MCA.
 17. Competency Building program aimed at improving the interpersonal and interview skills of the students is being regularly organized for the pre-final and final year students of UG and PG program. Around 200 students were covered.
 18. National level AMCAT and Wheebox aptitude test were carried out for final year engineering students.
 19. Centre for Research, Innovation and Entrepreneurship (CRIE) was established as an experiment to promote student driven research and is in the process of being institutionalized.
 20. Advisory Board of each department has been constituted comprising members from Industry, Academia, Alumni and peer group. Based on the suggestions and feedback received on various aspects including research, new pedagogies, skills and curriculum; department has come up with comprehensive Research, Skill and Curriculum(RSC) matrix with defined well defined areas and tasks.
 21. Concern, Urgency, Responsiveness and Engagement (CURE) model has been implemented for the students to help students perform better and help raise overall performance and achievement levels. Faculty is being oriented in these areas so that overall student experience is also enhanced.
 22. Management Development Program was carried out for the Leadership team where in the entire was committed towards planning and implementation of various process.
 23. Orientation sessions were organized on NAAC for all the stakeholders of MIET.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
<p>The IQAC Cell at MIET has created a Quality and Strategic Roadmap which acts as a guiding framework for all executive plans and policy decisions at MIET. The IQAC Annual Calendar of the year is attached as Annexure 1</p>	<ol style="list-style-type: none"> 1. MIET becomes the first NAAC "A" grade accredited technical institution in the state of J&K. 2. MIET Students Win Big at India Innovation Competition organised by All India Council for Technical Education (AICTE), Department of Science and Technology (DST) and Confederation of Indian Industries (CII). Two students of final-year Computer Science and Engineering, SumantPangotra and Suave Bajaj won 3 awards.

	<ol style="list-style-type: none"> 3. MIET student Prince Sumberia, 5th Sem CSE, won the ICDL International Challenge at Singapore beating contestants from 8 South Asian Countries. 4. Prof. Ankur Gupta was selected among 20 Directors/Principals of the Country to attend week long second phase of VELT program in Australia. 5. Sumant Pangotra, 7th Semester student from CSE selected as Android Facilitator by Google India. 6. MIET signed MoU with Bentley to set up BIM lab. 7. MIET signed MoU with Amazon Web Services to launch AWS Cloud Architect Certification. 8. MIET signed MoU with ICDL for Skill Development. 9. MIET received Grant of Rs 3 Lakhs from AICTE to organize International Conference in Computer Science. 10. MIET has been awarded “Best Private Technical Institution in J&K” Award by Dialogue India second time in the row. 11. MIET inaugurated its USA Alumni Chapter in the month of July coinciding with the visit of Director, Academics to USA. 12. MIET set up the first student's chapter of the Association for Computing Machinery (ACM), USA in the state of J&K in 2017. 13. The NSS unit of MIET, “Prayaas” adopted Village Amb in Block Bhalwal, Jammu as a part of its social responsibility initiative. As part of the engagement, 3 computers, sports equipment to middle school, clothes to the needy and Rs. 20,000 for renovation of school toilet were provided. MIET students visit the school to conduct computer classes for the students.
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** Attach the Academic Calendar of the year as Annexure.*

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

The Board of Directors of the institution is the highest decision-making body of the institute comprising a galaxy of eminent educationists including 3 former Vice-Chancellors. The BoD is apprised of all the IQAC activities including submission of the AQAR and major achievements and outcomes. The Board of Directors appreciated the initiatives and impact of IQAC Cell on the functioning of the institute and provided specific inputs for improvement and further development.

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD				
PG	2			
UG	5			
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	7			
Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	6
Trimester	
Annual	

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

The curriculum was restructured in 2015. The salient aspects of these modifications are that they are more aligned with industry and technical trends. The university initiated these revisions based upon recommendations of Board of Studies constituted for the purpose based upon inputs from various stake holders including Senior faculty from MIET.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	98	88	4	6	0

2.2 No. of permanent faculty with Ph.D.

18

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
28	0	2	0	1	0	0	0	29	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

0

1

0

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	41	28	0
Presented papers	29	2	0
Resource Persons	0	4	0

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- MIET has become the first institution in J&K to adopt the “Facebook Workplace and “Google for Education” framework. All MIET faculty and students are using Gmail as their official Emails and having access to Google software like Classroom and Business Hangouts.
- Automated guidance and counselling is provided to all students through the PI 360 software which is major innovation. Student performance is benchmarked and a detailed email in which the relative performance of the students is evaluated automatically is sent every 2 months. This provides the students a transparent performance feedback and motivates them to enhance their performance further.

- Third party assessments from AMCAT, Wheebox and LinkedIn were organized for 500 pre-final and final year students.
- A Skill Development Matrix is being put in place to allow students to develop industry-relevant skills during each semester of study. An Activity Lecture has been introduced in the timetable on a daily basis to cater to specialized activities designed for skill enhancement.
- A plethora of workshops (Spy Botics, Mat Lab, Robotics, Animation, Cyber Security, Ethical Hacking) and trainings (IIT Certifications on emerging Technologies) were organized by the institute both internally and externally for the benefit of the students. In 2016 over 15 technical workshops were organized for the students.
- Students are encouraged to attend Webinars and MOOC courses and get certification.
- Industrial Visits and Distinguished Lectures were organized under the Invited Lecture Series.
- Early experiments in “Flipped Classrooms” were undertaken.
- Research and Patent workshop was also organized for students.
- Centre for Research, Innovation and Entrepreneurship established at MIET.
- 2 Student Patents were also filed in 2016.
- Innovative events such as codathons and hackathons are organized regularly to provide diverse exposure to students.
- I-Survive Boot Camp is a yearly affair, compulsory for all the students of all semesters, which helps them learn Life skills in tough conditions. With each year, they undertake increasingly different set of activities.

2.7 Total No. of actual teaching days

during this academic year

180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple-Choice Questions)

- Evaluation of students is based on both Continuous Assessment (internal) and the End Semester Examinations (external) with an allotment of 50% marks for each.
- Transparent system of evaluation is followed wherein students are shown their answer scripts and are required to sign the evaluation sheet to indicate satisfaction with the evaluation process. They can also request for re-evaluation of their answer scripts.
- Faculty are required to evaluate and display the marks in internal assessment within a week of completion of examination.

All question papers are submitted in three sets and are moderated to ensure quality.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

0	7	0
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2.10 Average percentage of attendance of students

85%

2.11 Course/Programme wise
distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
Electronics & Communication Engineering	638	3.41%	55.84%	9.83%	0	69.08
Computer Science Engineering	629	3.37%	62.02%	6.82%	0	72.21
Electrical Engineering	351	1.2%	60.31%	1.37%	0	62.89
Information Technology	193	3.24%	63.57%	6.8%	0	73.61
Masters in Computer Application	224	12.24%	60.72%	6.65%	0	79.61
Master's in Business Administration	121	13.4%	55.43%	20.16%	0	88.99

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- MIET experimented with the following:
 - Flipped Classroom
 - Meeting of Director with CR's
 - Facebook workplace
 - RSC Matrix (Research, Skill, Curriculum)
- 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.
- Faculty Mentoring Programme was initiated by IQAC for 11 young leaders during 2017. 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.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	1
UGC – Faculty Improvement Programme	0
HRD programmes	1
Orientation programmes	31
Faculty exchange programme	0
Staff training conducted by the university	0
Staff training conducted by other institutions	65
Summer / Winter schools, Workshops, etc.	79
Others	0

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	23	0	2	0
Technical Staff	26	0	1	0

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

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.

- 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.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	0	0	0
Outlay in Rs. Lakhs	0	0	0	0

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	0	0	0
Outlay in Rs. Lakhs	0	0	0	0

3.4 Details on research publications

	International	National	Others
Peer Review Journals	16	1	
Non-Peer Review Journals			
e-Journals			
Conference proceedings	9	2	

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>				
Any other(Specify)				
Total	0	0	0	0

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges

Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	1				
Sponsoring agencies	AICTE				

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency From Management of University/College
 Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	2
	Granted	
International	Applied	
	Granted	
Commercialised	Applied	
	Granted	

3.17 No. of research awards/ recognitions received by faculty and research fellows
 Of the institute in the year

Total	International	National	State	University	Dist	College
0						

3.18 No. of faculty from the Institution who are Ph. D. Guides
 and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
 National level International level

3.22 No. of students participated in NCC events: NA

University level State level
 National level International level

3.23 No. of Awards won in NSS: NA

University level	<input type="text"/>	State level	<input type="text"/>
National level	<input type="text"/>	International level	<input type="text"/>

3.24 No. of Awards won in NCC: NA

University level	<input type="text"/>	State level	<input type="text"/>
National level	<input type="text"/>	International level	<input type="text"/>

3.25 No. of Extension activities organized

University forum	<input type="text"/>	College forum	<input type="text" value="4"/>		
NCC	<input type="text"/>	NSS	<input type="text" value="5"/>	Any other	<input type="text"/>

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- a) Adoption of Village – Amb Village
- b) Save the trees drive
- c) Blood Donation Camp
- d) Swacch Campus Abhiyaan
- e) Green Audit

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	22,000 sq.m	0		22,000 sqm
Class rooms	50	0		50
Laboratories	32	0		32
Seminar Halls	10	0		10
No. of important equipments purchased (\geq 1-0 lakh) during the current year.		30	Institutional Funds	30
Value of the equipment purchased during the year (Rs. in Lakhs)		35,09,070	Institutional Funds	Rs.35,09,070
Others		Supplementary infrastructure resources such as furniture, fans, LED bulbs, Electric Supply Panels, TV, Audio Equipment	Institutional Funds	Rs.26,02,993

4.2 Computerization of administration and library

Administration: College has implemented ERP system to stream line the operations of major functional areas of admission, attendance, examination, fee management, financial accounting, time table, staff & payroll, library management, transport and other utilities.

Performance Insight 360, the custom-built analytics framework provides deep insights to institutional management on the performance of the institution, departments and individual stakeholders which allows for strategic interventions to address areas of concern.

Library: 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

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	25666	Rs.7232366	1157	Rs.5,19,493	26823	Rs.77,51,859
Reference Books	6946	Rs.1951826	131	Rs.60,064	7077	Rs.20,11,890
e-Books	0	0	10,000 (DELNET) & 41,86,185 (WEL) 7 million eBooks (NDL)	Rs.11,500 & Rs.1,00,300 Free	10,000 (DELNET) & 41,86,185 (WEL) 7 million eBooks (NDL)	Rs.11,500 & Rs.1,00,300 Free
Journals	60	Rs.234873	-	-	60	Rs.2,40,181
e-Journals	169+Back files to 2005,2015&2016	Rs.438065 (Annual Subscription)			169+Back files to 2005 (R.S. 2017)	Rs.5,32,818/- (Annual Subscription)
Digital Database	TLSS → Total Lib Software System					
CD & Video	1601	-	99	-	1700	-
Others (specify)	2550	-	102	-	2652	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	614	13	54mbps	2	0	6	7	0
Less (Disposed Off)	40	0	2mbps	0	0	0	0	0
Added	25	0	50mbps	0	0	0	0	0
Total	599	13	102mbps	2	0	6	7	0

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- a. MIET provides access to computing facilities through 10 high-end servers and 550+ computer terminals.
- b. Campus-wide fiber-optic backbone provides high-speed networking and data-access.
- c. MIET staff and students have their official E-mail ID's (@mietjammu.in) with 10TB Free data storage.
- d. Campus Wi-Fi is accessible to students and staff.
- e. Internet bandwidth of up to 50 Mbps is available.
- f. MIET Mobile App provides seamless access to all institutional digital resources.
- g. MIET has implemented ERP, Library Management System, Moodle-based LMS, Google Classroom and PI-360 analytics framework for transparent governance, improving teaching-learning and enhancing operational efficiency.

4.6 Amount spent on maintenance in lakhs:

i) ICT	Rs. 16,24,593.00
ii) Campus Infrastructure and facilities	Rs. 51,81,852.00
iii) Equipments	Rs. 35,09,070.00
iv) Others	Rs. 15,70,054.00
Total:	Rs. 1,18,85,569.00

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- a) IQAC routinely works with the Student Support Services Committee of the institution in obtaining student feedback. This committee has active student members too.
- b) The IQAC conducts “Student Orientation” sessions firstly at the time of joining and then on a weekly basis working with a small set of 30 students to apprise them of available services and special initiatives.
- c) The feedback collected is analysed and a detailed action taken report is prepared and shared with the students to close the loop.
- d) Students are apprised of new initiatives at other forums as well such as the “Tea with the Director”, “Town hall Meet” etc.
- e) Social Media presence has been strengthened with increased followers in various channels such as Facebook, Instagram, You Tube and Twitter.

5.2 Efforts made by the institution for tracking the progression

- a) ERP management system has been introduced and all the students have been given the access by providing unique user name and password for the regular monitoring of Attendance and Internal Assessment records.
- b) Third party assessments from AMCAT, Wheelbox and LinkedIn are conducted for the final year students and detailed evaluation reports on diverse parameters for further improvement.
- c) Each student’s detailed performance profile is maintained in the Performance Insight 360 framework covering academic, co-curricular and extra-curricular performance and achievements. Graphical analysis and relative benchmarking of student performance is also performed. The system further sends out automated guidance and counselling messages to the students apprising them of their individual performance and in relation to their peers.
- d) Gamification Module has been added in the tool to encourage healthy competition in the student peer group and create a culture which recognizes holistic performance.
- e) Remedial classes are organized for students whose performance is not up to the mark and they are recommended to the departments for specialized monitoring and mentoring.
- f) Departmental reviews are conducted regularly to monitor student pass percentage and progression.
- g) Each student is assigned a faculty mentor who in turn mentors around 15 students. The mentor meets with the students once in 30 days and takes stock of the progress of the student and whether the student is facing some issues. All possible help and support is provided by the faculty mentors as required on a case-to-case basis.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1346	180	0	0

(b) No. of students outside the state

0

(c) No. of international students

0

Men	No	%	Women	No	%
	0	0		0	0

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
439	15	7	1	0	462	441	17	7	1	0	466

Demand ratio NA Dropout %: 0.015%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Awareness cum orientation session on:

- CAT
- GRE
- GMAT
- IELTS
- TOFEL is being organized from time to time by the Guidance and counseling cell.

No. of student's beneficiaries

150

5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	<input type="text"/>	CAT	<input type="text" value="60"/>
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text" value="40"/>	UPSC	<input type="text"/>	Others	<input type="text"/>

5.6 Details of student counselling and career guidance

- The Institute is having a Placement, Alumni and Guidance Counselling Committee which extends counselling assistance to students with academic and social concerns.
- The college has created a student's placement cell also, where students help and motivate other students in the peer group.
- The "Tea with Director" is another motivational session conducted every week with a small group of students.
- A workshop on Meditation termed as Jigyasa Sessions by VCM (Vrindavan Charitable Meditation) is going on wherein 16 sessions will be organised for students to create self-awareness through spirituality.
- "Meet the Alumni" sessions are conducted regularly where successful alumni share their experiences with current students.
- Mock Group Discussions and Personnel Interviews are conducted for the final year students under "Competency Building" program.
- Third party assessments such as AMCAT, Wheelbox and LinkedIn for pre-final and final year students are organized to help make them industry-ready.
- Industrial visits are a major component in understanding the Industry requirements and developing the skills accordingly.
- Distinguished Lecture Series and Invited Lectures are organized regularly for the benefit of the students.

10. Student chapters of IEEE, ACM, CSI, IETE and ISTE regularly organize event and activities which aid in overall development of students through directed exposure.

No. of students benefitted

900

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
14	250	45	9

5.8 Details of gender sensitization programmes

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 on sexual harassment awareness
- Swachh Bharat Abhiyaan
- Tree Plantation Drives
- Blood Donation Camps
- Participation in Red Cross Society activities
- Visit to old-age homes/orphanages
- Workshops on human-rights, spirituality, morals and ethics
- Sessions on consumer rights and welfare
- Celebration of important days and participating in external events.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	18	Rs. 7,50,000.00
Financial support from government	0	0
Financial support from other sources	0	0
Number of students who received International/ National recognitions	0	0

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

1. To have better outdoor sports facility the playground has been extended with an area of 80 x 80 sq. m.
2. Basket Ball court has been provisioned.
3. Cricket practice pitches have been created.
4. Volley-ball court was re-laid.
5. Common room timings have been defined between 12:00 to 1:20pm during the activity lecture and break time daily.
6. Canteen menu has been improvised by enriching the menu list and the rates have been rationalized with the best competitive prices by the Student Support Services committee.
7. 2 new water coolers have been installed in Block C and Lab Block to cater the needs of all the students in 1 building.
8. To improve on the Internet Facility, the following measures have been implemented:
 - An additional 30 Mbps Fibre internet has been commissioned.
 - Optical fibre Backbone is also deployed for high speed and seamless internet connectivity between the buildings.
 - College has signed an agreement with Reliance Jio for providing wireless internet connectivity for free.
 - 3 Wi Fi access points are installed for students to improve Wi-Fi coverage.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION: To create a world class Institution.

MISSION: To deliver exceptional value to students, Industry & Society.

6.2 Does the Institution has a management Information System

Yes

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

MIET is an affiliated college to the University of Jammu and does not have the autonomy to undertake curriculum development. MIET faculty is regularly invited to the Board of Studies meetings conducted by the University of Jammu and provide detailed inputs on curriculum enhancement, revisions and reforms.

However, MIET through strategic industry partnerships offers value-added courses and international certifications on cutting-edge technologies and domains such as cloud computing, storage technologies, networking, and software development etc. for its students.

During the year MIET signed MoU with Bentley to set up BIM lab, Amazon Web Services to launch AWS Cloud Architect Certification and ICDL for Skill Development.

MIET set up the first student's chapter of the Association for Computing Machinery (ACM), USA in the state of J&K in 2017.

RSC matrix (Research, Skill and Curriculum) has been implemented in all the semester to enhance the student skill set as per industry requirement.

6.3.2 Teaching and Learning

1. A new forum Facebook Workplace has been introduced for real time showcasing of day to day activities and events carried out by faculty members. The faculty members have been inspired and motivated to explore new teaching pedagogies and activities for better teaching experience.
2. During the year MIET signed MoU with Bentley to set up BIM lab, Amazon Web Services to launch AWS Cloud Architect Certification and ICDL for Skill Development.

3. Google classroom which was introduced last year is being effectively implemented across entire organization by 100% faculty members. The platform is used to disseminate valuable information like, e-class notes, Web Links NPTEL Lectures, MooC courses, Internal Assignments, Quizzes, etc. Students are also being encouraged to share information and collaborate in the teaching process.
4. Academia ERP system is being successfully used since last three years for admissions and online attendance of the students.
5. A new institutional Strategy Document has been formulated and shared with all key stakeholders.
6. Strategic roadmap has been successfully implemented and is being regularly updated/monitored.
7. A new program focused on Evaluating Teaching Effectiveness was initiated for all faculty members with less than 5yrs of experience. The process is followed by award of recognition to the best teacher.
8. A new program “Faculty Mentoring Program” for 11 mid-level faculty members was initiated.
9. Competency Building program aimed at improving the interpersonal and interview skills of the students is being regularly organized for the pre-final and final year students of UG and PG program.
10. National level AMCAT and Wheebox aptitude test were carried out for final year engineering students.
11. Center for Research, Innovation and Entrepreneurship (CRIE) was established as an experiment and is in the process of being institutionalized.
12. Concern, Urgency, Responsiveness and Engagement (CURE) model has been implemented for the students to help students perform better and help raise overall performance and achievement levels. Faculty is being oriented in these areas so that overall student experience is also enhanced.
13. Civil Engineering labs for 4th semester set up at cost of Rs. 30 Lakh.

6.3.3 Examination and Evaluation

The examinations are conducted by the University of Jammu. However, internal assessment tests are conducted by MIET. Internal assessment constitutes 25-40% weight-age in the overall score and varies for different courses. Some of the best-practices adopted by the institution in examination and evaluation are:

- It is mandatory for students to view their evaluated answer scripts and sign on them to indicate their satisfaction with the evaluation process.
- Students can ask faculty to review the evaluation in case of any discrepancies.
- The quality of question papers is moderated by Dean Academic Affairs, he receives 3 sets for each subject in the prescribed format and randomly he will select the paper.
- The overall quality of examination and evaluation is monitored by a central Internal Assessment Committee comprising senior faculty members and heads of departments. The committee conducts regular checks and reviews to ensure that the process laid down at the institute level is complied with and any deviations are justified or corrected.
- Finally, a University of Jammu nominated committee validates the internal assessment award rolls and performs qualitative checks.

6.3.4 Research and Development

- MIET is set to start Joint R&D with Infineon Technologies, Bengaluru for undertaking applied research projects in electronics and communication.
- An institute-wide Research, Development and Publications committee comprising senior faculty and researchers has been constituted to monitor and enhance the quality of research.
- All research papers are routed through the committee which evaluates the paper and the quality of the forum to which the paper is submitted for review.
- The committee conducts regular orientation programmes/workshops for faculty to help them improve the quality of research.
- An online repository of all papers has been created for ready access to faculty within the institution.
- Faculty and students have been provided online access to IEEE Xplore digital library.
- A Research Promotion Scheme has been introduced which provides monetary incentives and recognizes faculty output in research and development. “Research Awards” are organized annually to felicitate all faculty members whose papers are published in the preceding year. A total of 450 research papers had been published by the faculty by the end of 2017.
- Faculty members are provided financial support to attend conferences and present papers.
- Regular “Research Workshops” for capacity building and “Gyan-Badhao” sessions for knowledge sharing are conducted to facilitate the research culture.
- A Centre for Mobile Application Development was established in 2013 to promote special projects in the mobile domain
- 15 patents have been filed by the faculty at the Indian Patents and Trademarks Office.
- The institute automatically tracks the citation counts, h-index, i-10 index for individual faculty, department and institution through the purpose-built Performance Insight 360 software.
- The institute publishes the International Journal of Next-Generation Computing (<http://ijngc.perpetualinnovation.net>) jointly with the University of Missouri-Kansas City, USA which is indexed by Thomson Reuters, Emerging Sources Citation Index (ESCI) under Web of Science.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- College has subscribed to IEL-Online under INDEST-AICTE by paying over Rs. 5.70 lakh per annum under which faculty and students have on-line access to 160+ IEEE Journals.
- College has subscribe to e-Books world library at cost of Rs. 1.03 Lakhs.
- 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.
- Access to open-access literature through JGATE
- DELNET membership
- The library maintains separate statistics for usage and visits by the faculty and students which are then shared with the departments to improve utilization.
- MIET started with Avid reader award for faculty and students for maximising usage.
- The library procurement committee ensures that text and reference books from

reputed authors and publishers are ordered.

- The library subscribes to IEEE-ASPP package at a cost of Rs. 4.78 Lakhs per annum.
- The library is completely automated with bar-coding of all books and reference materials.
- The library is open beyond working hours to provide enhanced access to students and faculty.
- ICT is a major emphasis area for the institution and several ICT initiatives have been undertaken, such as:
 - Google Classroom has been implemented
 - Learning Management System is implemented
 - Campus ERP System is implemented
 - Analytics Framework – Performance Insight 360 is implemented
 - Library Management System is implemented
 - Innovative solar-powered CCTV cameras are installed for campus security
 - All systems are accessible on 24x7 basis.
 - Wi-fi facility is available throughout the campus
 - About 30% of the classes utilize projectors for delivering digital content to the students.
- MIET provides good quality infrastructure and ambience and is one of the greenest campuses in J&K.
- IT and Lab infrastructure has been upgraded at a cost of 35 Lakhs.
- A sum of Rs. 20 Lakhs has been spent on campus upkeep and maintenance to improve student experience.
- The in-house IT team at MIET has highly experience personnel providing quick support and turnaround for high-availability of resources.
- The in-house campus management team is headed by an experienced Civil Engineer with a team of electricians, carpenters and plumbers at hand to take care of maintenance and upkeep issues.

6.3.6 Human Resource Management

- MIET prides itself in providing the best working environment and benefits package in the region helping in attracting the best talent.
- MIET is an equal opportunity employer with a diverse workforce, a fact which has been appreciated and acknowledged by the University of Jammu officials.
- MIET has a philosophy of upholding the dignity of all individuals and employees are accorded due respect.
- Career progression is supported and clear growth paths for individuals articulated.
- Performance appraisal system is completely automated through the online analytics framework.
- Staff feedback collection and analysis is completely automated and the action taken is duly shared back with the staff.
- Staff outreach programmes are regularly initiated for two-way communication and better engagement.
- Attrition rate is carefully monitored and exit interviews are mandatory for all employees leaving the institution. Strategies for improving retention are formulated based on the analysis of exit interviews.
- Advanced Mentoring programmes are conducted for developing future leaders at MIET.
- Tea with Director and Town Hall meets ensure regular interaction of management with faculty members.

- Management Development Program was carried out for the Leadership team where in the entire was committed towards planning and implementation of various processes.

6.3.7 Faculty and Staff recruitment

- All recruitments are made through a selection committee nominated by the University of Jammu comprising eminent subject experts.
- High-quality individuals are actively sought and special incentives are provided.
- Applications are invited throughout the year and high-quality faculty are absorbed through creation of special positions even above sanctioned strength if required.
- All benefits are accrued from day-one of appointment and transparency in norms is observed.

6.3.8 Industry Interaction / Collaboration

- J&K has very limited industry and hence industry collaboration remains a challenge. Yet significant progress has been made in this important area:
- MIET signed MoU with Bentley to set up BIM lab.
- MIET signed MoU with Amazon Web Services to launch AWS Cloud Architect Certification.
- MIET signed MoU with ICDL for Skill Development.
- MIET set up the first student's chapter of the Association for Computing Machinery (ACM), USA in the state of J&K in 2017.
- MIET has an industry-institute partnership cell funded by the AICTE.
- MIET is in the process of formalizing a linkage with Infineon Technologies, Bengaluru for undertaking applied research projects in electronics focussing on solving problems in the local context of J&K.
- Linkages with 4 of the top 10 IT companies in the world – IBM, Cisco, Microsoft and EMC² have been established. Students are trained on the latest technologies under these tie-ups.
- MIET has the only IBM Software Centre of Excellence in J&K.
- MIET has the only authorized Cisco Networking Academy in J&K.
- MIET has the only EMC² Centre of Excellence in J&K offering courses on storage technology, cloud computing and big data to students.
- MoU with Aircel has been signed to provide specialized training to MIET students in Telecommunication technologies besides providing 3G access to each MIET student and staff on campus.
- Regular industrial visits are organized for the students in neighbouring states to provide industrial exposure to the students.

6.3.9 Admission of Students

- Several outreach programmes are conducted to apprise students about the initiatives and achievements at MIET.
- Social media is utilized to reach out to the target audience for brand building and

generating awareness.

- The admission process is online and digital. A helpdesk provides all support and help to streamline the admission process.
- The average time to complete the formalities and secure admission is monitored and every effort made to reduce the time taken to complete admission.
- A complete folder with digital content – information, norms procedures, important contacts, useful resources, e-Books etc. is provided to the students at the time of admission.
- On line Fee payment through HDFC payment gateway.

6.4 Welfare schemes for

Teaching	1.Free Transport Service 2.Medical/Insurance Cover 3. Self-administered PF Scheme 4. Interest-free loans 5. Sponsorship for Higher Education 6. Study and Professional Development Leave
Non-Teaching	1. Free Transport Service 2. Medical/Insurance Cover 3. Self-administered PF Scheme 4. Interest-free loans
Students	1. Founders Scholarships 2. Medical/Insurance Cover 3. Project Funding for select projects 4. Financial support to attend external events.

6.5 Total corpus fund generated

Rs. 10,97,77,531

6.6 Whether annual financial audit has been done

Yes

No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Administrative	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes

Yes

No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

The institute is an affiliated institution and cannot carry out examination reforms on its own. However, several innovations in the management and conduct of internal examinations have been introduced. These have been detailed in section 2.6.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

The University of Jammu has only recently amended its statutes to allow for granting Autonomous status to affiliated colleges. Only one institution under University of Jammu, namely the MIER College of Education (a sister concern of MIET) has been awarded the autonomous status in 2015.

6.11 Activities and support from the Alumni Association

- With the success of Alumni Mentorship Programme, Phase II of the programme is being initiated as well, wherein under 1 alumni 3 students are mentored and benefitted.
- Meet the Alumni series has been started in which Alumni visiting Jammu are invited to deliver lecture on their experiences and interact informally with the students.
- An Alumni Meet was organized at MIET, Jammu in October and Distinguished Alumni awards were presented to 7 MIET alumni who have set new benchmarks in professional achievement. The meet was attended by over 75 alumni from across all batches.
- Alumni chapter of MIET was established at USA.

6.12 Activities and support from the Parent – Teacher Association

Parents are regularly invited to interact with the faculty and are shown the progress of the students through the PI 360 framework which provides an overall view of the student performance in all spheres i.e. academic, co-curricular and extra-curricular.

6.13 Development programmes for support staff

- Support staff is encouraged and sponsored to pursue higher education. Around 5 members of the technical staff are currently enrolled in various higher education programmes such as M.Tech.
- Regular orientation programmes/technical workshops are organized for the technical support staff to upgrade their skills.

6.14 Initiatives taken by the institution to make the campus eco-friendly

1. Innovative Energy Saving Methods

o 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.

o 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

o 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 6o C.

2. Use of Renewable Energy

o The CCTV cameras installed to cover external areas in campus use solar panels to charge their batteries.

o 30 KVA solar power generator is installed in campus under Govt. subsidy at cost of Rs. 5.40 Lakhs.

3. Carbon neutrality and Plantation: To improve of the carbon footprint of the institution, following actions have been taken: -

o 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

o 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.

o 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.

o 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.

o 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.

4. Waste Management:

o 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.

o 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.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- 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.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

The institute and department-level performance is reviewed every quarter using the PI 360 performance management framework. This ensures that progress is measured and corrective action initiated if progress is deemed unsatisfactory. The compliance rate of 80% is regularly achieved against stated objectives at the beginning of the year.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

Title of the Practice:

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 (Optional):

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.

Title of the Practice:

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 (Optional):

This best-practice is unique to MIET in the state of J&K and we are the only private institution which has a credible research output and culture which supports faculty research.

Contact Details:

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Name of the Institution: Model Institute of Engineering & Technology

City: Jammu

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Accredited Status: Accredited with "B"

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**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

- Save the trees programme was initiated and over 100 trees were white washed and made termite proof.
- A professional landscape architect and horticulturist has been approached to help design the campus better and improve the ecological environment.
- Over 100 herbal trees including neem and amla were planted last year.
- Regular plantation drives are conducted by the NSS committee to improve green cover in the campus. Currently 50% of the campus has a green cover.
- Swacch Campus drives are organized from time to time to promote cleanliness through sense of ownership.

7.5 Whether environmental audit was conducted?

Yes

No

7.6 Any other relevant information the institution wishes to add. (for example, SWOT Analysis)

MIET has prepared a vision document, a comprehensive strategic plan, academic plan, operational plan and risk management plan to further consolidate its position as the premier technical institution in J&K. The stated core values of MIET are Quality, Innovation and Customer Experience. All new initiatives and programmes are congruent with the core values of the institution. The SWOC analysis is as follows:

Strength

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

Opportunity

1. Foray into high-quality skill development programs
2. Finishing School for students
3. Autonomous college
4. Niche programs with international collaborations

Weakness

1. Only 20% PhD qualified faculty
2. Non-residential campus
3. Lack of consultancy assignments

Challenges

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.

8. Plans of institution for next year

1. To pursue the permanent affiliation with University of Jammu.
2. To start M.Tech program in CSE at the earliest.
3. The drive to recruit senior faculty must be sustained and reinvigorated. Retrenchment of poor performers must be initiated on priority and deadwood needs to be cleared to reenergize the institution. Alternative avenues for recruitment of faculty from outside the state such as Naukri.com etc. to be explored.
4. To leverage the CII institutional membership to reach out to prospective partners from industry for internships, placements etc.
5. To implement digital payments across all levels of the institution.
6. To promote student driven Innovation through CRIE and produce high-quality student patents and student research papers.
7. Strengthen IT adoption to drive operational efficiency and enhance customer experience using IT/ICT.
8. Focus on publishing research papers in high impact journals with minimum indexing in Scopus with aspiration for publishing in SCI/SCIE indexed journals on a consistent basis.
9. New admission strategy based on outreach to prospective students in schools and colleges to be initiated to create awareness and undertake brand building exercises.

Name: Ms. Ruksana Salathia



Signature of the Coordinator, IQAC

Name Prof. Ankur Gupta



Signature of the Chairperson, IQAC
