



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	MODEL INSTITUTE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Prof. Ankur Gupta
Designation	Director
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	01912623155
Mobile no.	9797522100
Registered Email	ankurgupta@mietjammu.in
Alternate Email	ankurg1@gmail.com
Address	Kot Bhalwal, Jammu
City/Town	Jammu
State/UT	Jammu And Kashmir
Pincode	181122

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		Self financed			
Name of the IQAC co-ordinator/Director		Ms. Ruksana Salathia			
Phone no/Alternate Phone no.		01912623181			
Mobile no.		9622244777			
Registered Email		ruksana.adm@mietjammu.in			
Alternate Email		alviruksana@gmail.com			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		https://www.mietjmu.in/naac/aqar/2018-19.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		https://mietjmu.in/pdf/Annual%20Calendar%202019-20%20%282%29.pdf			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
2	A	3.02	2017	30-Oct-2017	29-Oct-2022
1	B	2.57	2012	05-Jul-2012	04-Jul-2012
6. Date of Establishment of IQAC			01-Aug-2012		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		

Participation in NIRF, ARRIA, All India Survey on Higher Education (AISHE), CII Survey, Data Quest Survey of Higher education Institutions and Business Today Survey of Business Schools	30-Jun-2020 365	1350
A comprehensive training program on Outcome Based Education including creation of course packs, setting up of question papers as per Blooms Taxonomy and alignment with the requirement of OBE module in the ERP CAMU was carried out for faculty members	31-Dec-2019 30	110
The Program Assessment and Quality Improvement Committees to monitor the quality in the Civil Engineering Department has been set up	30-Oct-2019 30	240
IQAC Cell has worked closely with the Software Development Cell at MIET to complete the Automation of NAAC as per its new guidelines published in Feb. 2020 manual	30-Jun-2020 365	1350
The IQAC cell has worked closely with the software development team at MIET to automate the requirements of NBA and NIRF	30-Jun-2020 365	1350
Faculty Development Initiative Trainings: Online: 46 (Total Faculty: 62) In House: 4 (Total Faculty:10) Outside: 5 (Total Faculty:12) Workshops: Online: 27 (Total Faculty: 40) In House: 6 (Total Faculty: 44) Outside: 6 (Total Faculty: 20)	30-Jun-2020 365	178
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	Yes
If yes, mention the amount	410000
Year	2020

12. Significant contributions made by IQAC during the current year(maximum five bullets)
Prepared and submitted the proposal for autonomous institution as per the guidelines of UGC.UGC team visited the institution for the reviewing the institutions preparedness for autonomy in accordance with the proposal submitted by the institution
Complete automation of accreditation requirements was undertaken to simplify the process for all stakeholders
Automation and Quantification of several feedbacks including Teacher Feedback, Employer Feedback and Program Exit Surveys was completed for better stakeholder engagement
Long-term and Annual Strategic Plans have been made for the institution and for few departments
Renewed focus on faculty development initiatives was undertaken to introduce new teaching pedagogies in class room teaching

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achievements/Outcomes
To Improve quality of placements.	The quality of placements significantly improved during this academic year with 50 students getting annual salary package of 10 LPA. 160 offer letters were released for B.E and MBA students. 100 percent placements were achieved in MBA and in B.E 60 percent of the eligible students got placed with maximum package of 12 Lakh per annum
To improve the value added programmes	PLC Scada, Robotic Arm (Mitsubishi Electric), Amazon Web Services (AWS Cloud Architect), Nvidia DLI Workshop, CCNA Training, UiPath RPA Training, Soft Skills Training, Big Data Analytics, IIT Bombay Certifications (Java, Python, C, C++, Advanced C, PHP MySQL), Total Station, Quantity Surveying, Bridge Designing, Gate Training, General Aptitude Training, such value added programs were conducted for overall one thousand student
To improve Quality of Faculty Development Programmes.	The faculty members attended high quality Faculty Development programs organized under AICTE Training and Learning Academy, also got enrolled in the online Refresher Programs (Annual Refresher Program in Teaching) offered in the SWAYAM Portal. In addition to this, 20 faculty members attended the Faculty Development programs such as Online Teaching, SoftSkills, Entrepreneurship offered by the IUCEE. In total 178 faculty members participated in the online and offline trainings and workshops throughout the academic year.
To Improve the Quality of Labs	The infrastructure in the laboratories of EE, ECE and Civil Engineering Department has been significantly enhanced with addition of new work benches of Power Electronics, Electrical Machines, IoT Test Beds, Sensors and 10 new kits of PLC. The students would be able to carry out more than 200 new experiments and programs with the addition of this new lab equipment
Autonomous Status for MIET	The following preparation for

implementation of Autonomy started in the year: Preparation of statutes for MIET, Reorganization of central administration, Setting up of the Controller of Examinations section, Recruitment of experienced administrative staff to man the new sections, Constitution of statutory committees as per Autonomous norms, Faculty training in setting question papers and conducting final examinations as per norms, Devising process workflows for key academic and operational functions from an Autonomous institution perspective, Conduct meetings with MIET College of Education personnel and organize shortterm training for MIET faculty members and admin staff, Operationalize ERP which is suitable to handle processes as per norms of Autonomous institutions

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Management Committee Meeting	29-Nov-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

06-Dec-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

10-Mar-2020

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

The institution uses an ERP system to manage the day to day operations. MIET has also pioneered the use of an inhouse developed quality analytics framework called Performance Insight360, which is a first of its

kind software in academia. The framework provides indepth insights and statistics on all aspects of individual, group and institutional performance. Thus, the institute uses ERP and advanced analytics to devise strategic interventions based on data. The completed modules are: 1. Student's Attendance: Daily, Weekly, Monthly and consolidated reports 2. Faculty Profile: Basic and Additional 3. Mentor allocation and Counseling 4. Course entry, Subject allocation and Time table 5. Students Profile 6. Result Analysis and Comparative Analysis 7. Online Feedback 8. Department event details entry 9. Auto mail generation 10. Students' Progress report generation 11. Payroll (HR department) 12. Accounts and billing 13. NAAC 14. NBA 15. NIRF

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The institution has implemented outcome-based education starting from this academic session. The curriculum delivery is ensured through the following mechanism: 1. The academic calendar is prepared at the beginning of the academic session which captures the important dates like start and end of the session, internal examination, lab tests, etc. 2. The faculty members are required to prepare a comprehensive course pack consisting of lecture plan, tutorial sheets, course outcomes, and its alignment with program outcomes, assignments and model test paper for the consumption of the students. The course packs are duly approved and are further uploaded to the Google classroom created for each course. 3. The students are continuously assessed and evaluated through assignments, tutorial sheets, classroom performance and internal assessment exams. The questions in the tests and assignments are set as per Blooms Taxonomy and are further mapped with the course outcomes and Program Outcomes 4. The course level attainment levels and program outcome attainment levels are monitored annually for continuous improvement through ERP and Performance Insight 360 5. 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. 6. A program level assessment and quality improvement committee has been constituted at each department level to oversee the overall quality initiatives of the department

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
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IIT Bombay Spoken Tutorial STP S/Certification program	Nil	02/09/2019	60	Employability	STPS
IIT Bombay Spoken Tutorial Certification Program-PHP and MYSQL	Nil	02/09/2019	45	Employability	PHP and MYSQL
IIT Bombay Spoken Tutorial STP S/Certification program	Nil	01/10/2019	30	Employability	Advanced C programming
IIT Bombay Spoken Tutorial Certification Program -C	Nil	12/11/2019	30	Employability	C programming
IIT Bombay Spoken Tutorial Program-Linux	Nil	18/12/2019	7	Employability	Linux
AWS Cloud Computing Architect	Nil	07/09/2019	175	Employability	Cloud Computing Architecture
Robotic Process Automation	Nil	14/10/2019	94	Employability	Robotic Process Automation (RPA) Design Development
IIT Bombay Spoken Tutorial STP S/Certification program	Nil	26/11/2019	180	Employability	C programming
CCNA Certification	Nil	01/08/2019	30	Employability	The CCNA certification validates skills and knowledge in network fundamentals, network access, IP connectivity, IP services and security fundamentals
MATLAB/Simulink	Nil	10/04/2020	15	Employability	MATLAB/Simulink

Applications In Power Control Engineering					Applications
PLC Automation and Basics	Nil	02/05/2020	15	Employability	PLC Automation and Basics
GATE Training	Nil	04/11/2019	15	Employability	RCC structures, Design on Steel Structures, Geotechnical Engineering
AI for Everyone	Nil	04/03/2020	30	Employability	Neural Networks, Machine Learning, Deep Learning, and Data Science
Programming for Everybody	Nil	12/02/2020	30	Employability	Getting Started with Python
Factory Automation Lab	Nil	21/09/2019	90	Employability	GX works3 and PLC panel
IT Bombay Spoken Tutorial Certification Program-C	Nil	28/08/2019	60	Employability	C programming

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MBA	Master of Business Administration	02/07/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	876	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
NVIDIA DLI Workshop on Fundamentals of Deep Learning for Computer Vision	19/10/2019	60
Training on General Aptitude/Quantitative Ability	23/09/2019	350
Amazon Web Services-Cloud Architect	21/09/2019	35
UiPath Robotic Processing Automation	14/10/2019	50
GATE Training	04/11/2019	115
PCE Survey Camp	19/08/2019	57
Digital Marketing	02/09/2019	45
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Science & Engineering	248
BE	Electronics & Communication Engineering	225
BE	Information Technology Engineering	80
BE	Electrical Engineering	117
BE	Civil Engineering	109
MBA	Master of Business Administration	40
MCA	Master of Computer Application	21
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<ul style="list-style-type: none"> The feedback collection process is conducted online through Performance

Insight 360. The stakeholders are informed through emails and automated notifications to submit their valuable feedback. The collection process is secured, and identity of the stakeholder is not revealed. After the analysis of the feedback collected, an action taken report is made to address specific areas where intervention is deemed necessary. • 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 Director/Director Academics in his monthly meetings with the class representatives. • The Performance Insight 360 analytics framework is also used to collect the stakeholder satisfaction survey and Faculty Feedback (By Students). The software analyses the feedback using a weighted formula based on Likert scale. Thus, a Stakeholder Satisfaction Index (SSI) and Teacher Feedback Index (TFI) is generated and tracked. The SSI is further decomposed into aspects such as teaching and learning, infrastructure and support services, governance and leadership, brand perception and satisfaction etc. which also get their respective mean scores computed. This provides automated analysis of stakeholder satisfaction index allowing specific interventions to be designed. Question-wise analysis is also provided by the analytics framework. • The program exit surveys, employer surveys and alumni surveys were carried out for all programs to understand the student's perception about the attainment of program outcomes and program specific outcomes. • Action taken reports are prepared for each aspect highlighted during the feedback.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MCA	Master's in computer application	60	2	2
MBA	Master's in Business Administration	60	45	45
BE	Civil Engineering	60	55	55
BE	Electrical Engineering	60	31	31
BE	Electronics and Communication Engineering	120	18	18
BE	Computer Science Engineering	180	119	119
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution	Number of fulltime teachers available in the institution	Number of teachers teaching both UG and PG courses
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			teaching only UG courses	teaching only PG courses	
2019	1204	137	103	15	Nil

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
118	118	515	32	Nil	18

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

• Mentor- Mentees module have been introduced in PI 360. The process includes selecting mentees under each mentor which will automatically send E-Mail notifications to both Mentor Mentees. • Each faculty member is responsible for mentoring 15 students leading to greater student engagement. Mentoring is provided by designated mentors using well-defined mentoring checklists and analytics data. Twice in a semester the mentor is required to meet his/her mentee. • 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. • Centre for Research, Innovation Entrepreneur Cell (CRIE) is established for the enrichment of curriculum. • Placement and career counseling services are available to students through the Placement Cell/Committee. COCUBES and AMCAT test is conducted for all the final year students to determine their employability scores. Group discussions and interviews are carried out at departmental and committee level to prepare students for the interviews.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1341	118	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
118	118	Nil	29	24

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Ms. Prachi Gupta	Assistant Professor	Best Popular Science Stories award under PhD Category (AWSAR AWARD 2019)
2020	Mr. Sahib Singh	Assistant Professor	Indian Society Technical Education

			(ISTE) Best Teacher Award
2020	Mr. Manish Lamba	Assistant Professor	Indian Society Technical Education (ISTE) Best Teacher Award
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Reforms in evaluation initiated by the college are as under: • The institution is using Blooms Taxonomy to design quality assignments tests for students. The teachers create assignments through the framework which helps in enhancing student's understanding of important concepts and ideas and enable them to meet the key course objectives. • A new post of Controller of Examination (COE) 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 COE who also moderates the papers if required, publishes examination schedule, nominates supervisory staff from other departments and provisions exams halls in such a way that tests are conducted in a fair manner. • All papers are evaluated by table evaluation and moderated on spot for transparent evaluation and quick declaration of results. • 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 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

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 student Dates in 1st and 2nd sessional tests • Dates for displaying attendance status of students • Tentative date of final examination

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.mietjmu.in/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
ECE	BE	Electronics & Communication	599	405	67.61
CSE	BE	Computer Science & Engineering	734	425	58.78
IT	BE	Information Technology Engineering	233	168	72.10
EE	BE	Electrical Engineering	357	214	59.94
MCA	MCA	Masters of Computer Application	272	195	71.69
MBA	MBA	Masters of Business Administration	160	143	89.38
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://drive.google.com/drive/search?q=Student%20Feedback%202019>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	180	All India of Council of Technical Education (AICTE)	410000	410000
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Online Sessions conducted by Institutions Innovation Council (IIC) of MHRDs Innovation Cell,	Computer Science Engineering, Electronics Communication Engineering, Civil	28/04/2020

New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs	Engineering, Masters in Business Administration, Electrical Engineering	
Expanding Scope of Robotics	Computer Science Engineering, Electronics Communication Engineering, Civil Engineering, Masters in Business Administration, Electrical Engineering	21/05/2020
Future of Communication Engineering	Computer Science Engineering, Electronics Communication Engineering, Civil Engineering, Masters in Business Administration, Electrical Engineering	20/05/2020
Smart management of reactive power and energy saving costs	Computer Science Engineering, Electronics Communication Engineering, Civil Engineering, Masters in Business Administration, Electrical Engineering	17/05/2020
Machine Learning : its Applications in Engineering	Computer Science Engineering	12/05/2020
Battery-based Energy Storage Systems (BESS): Role and Economic Benefits	Computer Science Engineering	15/05/2020
Modern Antennas for Wireless Systems	Electronics and Communication Engineering	22/05/2020
SIG Workshop: Explore, Model and Design Innovative Buildings Faster/Connect Edition	Civil Engineering	27/05/2020
SIG Workshop: Hands-on Workshop on Dynamic Analysis with STAAD.Pro CE	Civil Engineering	25/06/2020
SIG Workshop: Special Considerations of Seismic Analysis-Unreinforced Masonary Wall Modelling	Civil Engineering	14/05/2020
SIG Workshop: Special Considerations of Seismic Analysis- Advantages of Using Signed Response Quantities in Response Spectrum Analysis	Civil Engineering	11/06/2020
Innovative Construction	Civil Engineering	09/11/2019

Machinery, Materials and Methods, 2019		
Pre Incubation and Incubation Management, Design Thinking, IPR Technology Transfer, Entrepreneurship Development Program	MBA, Computer Science and Engineering	18/01/2020
Intellectual Property Rights	Electronics Communication Engineering	11/04/2020
Intellectual Property (IP) Management at early stage of Innovation Startup	Civil Engineering, CSE, EE and ECE and ASH	28/05/2020
Automation and Enterprise AI	Computer Science Engineering	07/02/2020
Cyber Security Challenges In Online Digital Classes During Covid-19	Computer Science Engineering, Electronics Communication Engineering, Civil Engineering, Masters in Business Administration, Electrical Engineering	27/05/2020
How to Innovative faster and better during Covid-19 by stanford University	Computer Science Engineering, Electronics Communication Engineering, Civil Engineering, Masters in Business Administration, Electrical Engineering	12/05/2020
Effective Data visualization in the era of Covid-19 by Stanford University	Computer Science Engineering, Electronics Communication Engineering, Civil Engineering, Masters in Business Administration, Electrical Engineering	22/04/2020
Using Data Science to Capture and increase viability of M2m roaming Traffic	Computer Science Engineering	07/05/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Facebook Scholarship to pursue an online nano degree program on DEep Learning Artificial Intelligence from Udacity	Mohd. Naushad Bhat	Facebook	19/12/2019	Education

Dell India Compassador Program	Avinash Kaushal	Dell Technologies	25/09/2019	Education
Infinito, IIT Jammu	Abhishek Baru, Zuha Atta, Avinash Koshal	IIT Jammu	14/01/2020	Education
WIEHACK 2.0	Aalya Iqbal, Ananya Sharma, Dhvani Gupta, Tanya Sharma, Rohini Sharma, Tanya Sharma, Reema Sharma, Nishita Koul	All India Council for Technical Education (AICTE)	03/12/2019	Education
CSI In app Project	Arpita Gupta, Joyjit Kour, Vivek Rathore, Shivam Choudhary, Avinash Koushal, Mohd. Nuashad Bhat	Computer Society of India (CSI)	23/10/2019	Education
Mitsubishi Electric Cup-4	Ushneesh Gupta, Himesh Jasrotia, Shubham Sharma, Shivam Gupta	Mitsubishi Electric Cup	05/11/2019	Education
Smart India Hackathon	Kushagar Mahajan, Mohit Sharma, Rohini Sharma, Tushar Nagar, Danish Soma, Tauseef Shah	All India Council for Technical Education (AICTE)	19/09/2019	Education
girlscript foundation student chapter and for developer in a technical field	Mohit Sharma	21 under 21 award by Girl script Foundation	21/10/2019	Education
Infineon Girls Hackathon	Dikshita Sharma, Mansvi Dubey, Supriya Koul, Reema Sharma, Saba Hamid, Nishita Koul	Infineon	15/12/2020	Education
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Science Engineering	7	0.27
International	Electronics Communication Engineering	5	0
International	Electrical Engineering	4	0.12
International	Civil Engineering	6	0.16
International	Applied Sciences Humanities	6	0.59
International	Masters of Business Administration	3	0
National	Computer Science Engineering	3	0
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Electrical Engineering	2
Computer Science Engineering	3
Master of Business Administration	1
No file uploaded.	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Effect of Iron Slag and Robodust on the	Mr. Peerzada Danish	International Journal of Innovative Technology	2020	Nil	Model Institute of Engineering Technology	Nil

Mechanical Properties of Concrete		and Exploring Engineering				
Approaches for the development of potential dengue inhibitors	Dr. Aman Mahajan	Synthetic Communications	2020	Nil	Model Institute of Engineering Technology	Nil
High Gain Linear 1 4 X-slotted Microstrip Patch Antenna Array for 5G Mobile Technology	Ms. Prachi Gupta	Journal of Telecommunications and Information Technology	2020	Nil	Model Institute of Engineering Technology	Nil
Dynamic Analytical Observations of RC Frame	Mr. Muzafar Ahmad Ganie	Blue Eyes Intelligence Engineering Sciences Publication, India	2020	Nil	Model Institute of Engineering Technology	Nil
Impact of Coronavirus on the Education Sector in India	Dr. Ankita Nanda	World After Covid-19 Social Economic and Financial Transformations	2020	Nil	Model Institute of Engineering Technology	Nil
Laguerre Neural Network Driven Adaptive Control of DC-DC Step Down Converter	Dr. Arghya Chakravarty	IFAC World Congress (International Federation of Automatic Control)	2020	Nil	Model Institute of Engineering Technology	Nil
Penetration and Prevalence of Strategic Management in Higher Education Institutions	Prof. Ankur Gupta, Dr. Sahil Sawhney	Journal of Engineering Education Transformations	2020	Nil	Model Institute of Engineering Technology	Nil

ns in India						
Mentoring Faculty for Quality Enhancement in Indian Higher Education	Prof. Ankur Gupta	The Wiley International Handbook of Mentoring: Paradigms, Practices, Programs, and Possibilities	2020	Nil	Model Institute of Engineering Technology	Nil
Engineering Education Industry: Challenges and Strategy to Overcome These	Prof. Shiv Kumar Sharma	Test Engineering and Management	2020	Nil	Model Institute of Engineering Technology	Nil
Influence of dimple location and depth on the performance characteristics of the hydrodynamic journal bearing system	Mr. Niranjan Singh	Proc IMechE Part J: J Engineering Tribology	2020	Nil	Model Institute of Engineering Technology	Nil
View File						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Approaches for the development of potential dengue inhibitors	Dr. Aman Mahajan	Synthetic Communications	2020	13	Nil	Model Institute of Engineering Technology
Impact of Coronavirus on	Dr. Ankita Nanda	World After Covid-19	2020	1	Nil	Model Institute of Engineering

the Education Sector in India		Social Economic and Financial Transformations				ring Technology
Penetration and Prevalence of Strategic Management in Higher Education Institutions in India	Dr. Sahil Sawhney	Journal of Engineering Education Transformations	2020	1	Nil	Model Institute of Engineering Technology
Penetration and Prevalence of Strategic Management in Higher Education Institutions in India	Prof. Ankur Gupta	Journal of Engineering Education Transformations	2020	10	Nil	Model Institute of Engineering Technology
Mentoring Faculty for Quality Enhancement in Indian Higher Education	Prof. Ankur Gupta	The Wiley International Handbook of Mentoring: Paradigms, Practices, Programs, and Possibilities	2020	10	Nil	Model Institute of Engineering Technology
An Innovative Low Power Reversible ALU for Quantum Processor using QCA	Mr. Rajinder Tiwari	International Journal of Innovative Technology and Exploring Engineering (IJITEE), a SCOPUS indexed Journal	2019	6	Nil	Model Institute of Engineering Technology
Design and Implementation of	Mr. Rajinder Tiwari	International Journal for	2020	6	Nil	Model Institute of Engineering

Industrial Scrap Segregation System using PLC		Scientific Research Development (IJSRD)				Technology
Design Implementation of Smart Home Automation System using LabView	Mr. Rajinder Tiwari	International Journal for Scientific Research Development (IJSRD)	2020	6	Nil	Model Institute of Engineering Technology
Design and Implementation of Industrial Scrap Segregation System using PLC	Mr. Jamini Sharma	International Journal for Scientific Research Development (IJSRD)	2020	1	Nil	Model Institute of Engineering Technology
Design Implementation of Smart Home Automation System using LabView	Mr. Jamini Sharma	International Journal for Scientific Research Development (IJSRD)	2020	1	Nil	Model Institute of Engineering Technology
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	15	Nil	Nil	Nil
Attended/Seminars/Workshops	5	345	15	38
No file uploaded.				

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	Thalassemia Society , JK Red Cross Society, PG Department of Pathology GMC, Jammu. Blood bank, SMGSH, Jammu	6	100

National Education Day	Middle school Amb, Jammu	4	40
Swatchhata Pakhwada	Model Institute of Engineering Technology	10	250
Plastic Free Campus	Model Institute of Engineering Technology	8	111
Fit India Movement	University of Jammu	55	850
Vigilance Awareness Week	Model Institute of Engineering Technology	8	250
Installation of Computer Systems	Middle school Amb, Jammu	6	75
Fixation of Acrylic Sheet on Windows	Middle school Amb, Jammu	6	75
Ek Bharat Shrestha Bharat	Model Institute of Engineering Technology	10	250
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!				
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Mitsubishi Electric India Private Limited	15	Model Institute of Engineering Technology	8
No file uploaded.			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering	Duration From	Duration To	Participant
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		institution/ industry /research lab with contact details			
Industry	Mitsubishi Electric India Pvt. Ltd.	Mitsubishi Electric India Pvt. Ltd.	14/12/2019	13/12/2020	87
Industry	AICTE- Internship	All India Council for Technical Education	01/08/2019	30/06/2020	950
Industry	MIET- Coursera	Coursera	02/03/2020	31/12/2020	1350
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Mitsubishi Electric India Pvt. Ltd.	22/04/2020	Authorized Training Center of Mitsubishi Electric India has been set up at MIET to provide training on PLC, SCADA and Robotic Arm for students and Industry	300
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
2000000	13940873

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
No Data Entered/Not Applicable !!!	
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
TLSS	Fully	NA	2005

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	27339	7937044	287	115087	27626
Reference Books	7294	2092870	68	27948	7362	2120818
e-Books	10000	13570	Nil	Nil	10000	13570
e-Books	4186185	100300	Nil	Nil	4186185	100300
Journals	60	233078	Nil	Nil	60	233078
e-Journals	193	731034	125	270360	318	1001394
CD & Video	1771	Nil	38	Nil	1809	Nil
Others (specify)	2850	Nil	121	Nil	2971	Nil
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	471	14	50	2	0	6	7	50	0
Added	15	0	50	1	0	0	0	50	0
Total	486	14	100	3	0	6	7	100	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
No Data Entered/Not Applicable !!!	

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on	Expenditure incurred on	Assigned budget on	Expenditure incurred on
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academic facilities	maintenance of academic facilities	physical facilities	maintenance of physical facilities
50000000	38383000	50000000	4479968

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The physical facilities including Laboratories, Classrooms and Computers etc. are made available for the students those who are admitted in the college. The maintenance of these facilities is done as per the following guidelines: • Regular administrative check of systems after every 15 days • All systems are updated with antivirus software package Microsoft Security Essentials • Each lab is managed and monitored on daily basis by the designated Lab Assistants with the support of centralized IT Cell • All labs are provisioned with power back up through online/offline UPS • The labs are upgraded on regular basis with new software packages and system up-gradation. Two labs were fully upgraded with new systems of higher configuration. • The old systems are further disposed responsibly as e-waste through certified e-waste vendors • The Lab Manuals are designed keeping in line with the requirements of the practical's and are distributed among all students for each lab. • The department has access to licensed operating systems and MS Office suite from Microsoft in addition to the other software packages like Oracle, Turbo C etc. • Annual internal audits are carried out by IQAC • Fire extinguishers are provided as part of safety equipment • High speed gigabit internet is used to connect the labs to the central fiber-optic backbone. The classrooms boards and furniture facilities are utilized regularly by the students the maintenance and the cleaning of the classrooms and the laboratories are done with the efforts of the non-teaching staff. The college has adequate number of the computers with internet connections and the utility software's distributed in different locales like office, laboratories, library, departments etc. The library is also provided LAN facility for the computers and they are loaded with the library software. Academic and Support Facilities The academic support facilities like library, the sports and the other platforms supporting overall development of the students like NSS or Competitive examination cell etc. is open to the college students. The sport department of the college is consisting of the Indoor Hall, cricket ground, basketball court. The maintenance is being taken care by the Institutional staff.

<https://www.mietjmu.in/>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Tuition Fee Waiver/ Sh HL Gupta and Shanti Gupta Scholarship	76	4395000
Financial Support from Other Sources			
a) National	Merit cum Means Scholarship/Post Matric Scholarship	14	285700
b) International	Nil	Nil	Nil

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Bridge Course for Mathematics	02/09/2019	220	Model Institute of Engineering Technology
Language Lab	15/07/2019	260	Model Institute of Engineering Technology
Soft Skill Development (Competency Building Programme)	22/10/2019	560	Model Institute of Engineering Technology
Remedial Classes	02/12/2019	250	Model Institute of Engineering Technology
Mental Wellness for college students and staff	23/05/2020	251	Model Institute of Engineering Technology
Gate Exam Coaching	20/01/2020	265	GATE COACH
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	CAT, GRE, GMAT, IELTS, TOFEL, NET	272	262	3	150
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	14	B.E	Computer Science Engineering	Chandigarh University, University of Jammu, Symbiosis, Arizona State University	M.Tech, MBA, Ph.D, MS, PGDBM
2019	3	B.E	Electrical Engineering	SMVDU, Katra, IIT Indore	M.Tech, M.Sc Astronomy
2019	4	B.E	Information Technology	University of Jammu, Central University	MBA, M.Tech
2019	3	B.E	Electronics & Communication Engineering	Punjab University, University of Jammu	MBA, M.Tech
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GRE	1
NET	2
GATE	2
Any Other	6
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
MIETs Got Talent	Inter-College	125
MIET Open Table Tennis Championship	Inter-College	143
MIET Open Chess Championship	Inter-College	120
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ International	Number of awards for	Number of awards for	Student ID number	Name of the student
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			Sports	Cultural		
2020	Nil	Nil	Nil	Nil	Nil	Nil
No file uploaded.						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The following are the methods of Students Counseling followed every year: 1. Orientation Programme: On the day admission orientation programme is organized by the 2. college for all the first-year students. There will be address by Director, Director Academics and Heads of various B.E courses. This is followed by showing them a documentary film on the Institution and taking them for a campus tour. 3. One-week orientation programme: With the guidelines issued by AICTE recently, a one-week special induction programme has been organized for the first-year students of 2019-20. Programmes in the areas of Culture, Behavioral aspects, Industrial Visit, Sports and games, Personality development were scheduled continuously for a week. Special sessions were arranged for senior students to interact with first year students. This has resulted in very good beginning for the first-year students. 4. Mentoring: The college adopts mentor/ tutor system to look after the learning capabilities of students Individually: a. For 15 students, one faculty is assigned as mentor b. Mentor continuously track the mentee attendance details and academic performance c. Mentor will assist mentee in selecting professional electives and career guidance d. Mentor will track the mentee sports activities, extra-curricular and co-curricular activities 5. Placement cell: Placement cell of college organizes number of activities for the pre final year students to be ready for placement interviews. These involve skill development, personality development, attitude, body language etc. All these programmes have resulted in many students are getting placed by companies. 6. The Institute does not have a Student Council in existence. However, there are 15 committees in the college which look after various academic and non-academic aspects headed by faculty and in some cases have student members as well. These committees focus their attention on one specific process/functional area of the college, plan activities and ensure its implementation. They keep meeting periodically and take suitable decisions for effective implementation. List of the committees are given below: • Planning and Academic Affairs • Research, Project Development Publications • Quality Assurance • Internal Assessment • Disciplinary • Professional Development Training Value-Added Courses • Student Support Services Amenities • Grievance Redressal • Sports Games • Maintenance House Keeping Hospitality 2 • NSS, Extension Outreach • Sexual Harassment • Cultural Co. Curricular • Placement, Alumni Guidance Counselling •Anti SC-ST Harassment • Anti Ragging

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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.

5.4.2 – No. of enrolled Alumni:

1500

5.4.3 – Alumni contribution during the year (in Rupees) :

No Data Entered/Not Applicable !!!

5.4.4 – Meetings/activities organized by Alumni Association :

The following meetings and activities were organized by Alumni Association: 1. Alumni Meet 2019: 10th Edition of Alumni Meet Connexions was organized on 28th Dec 2019. Over 75 Alumni participated in the event. Excellence in Action Alumni Awards were presented to selected alumni who have set benchmarks in professional achievements. 2. Meet the Alumni Series: Over 20 alumnus participated and delivered lectures to over 1000 students from various departments. 3. Alumni Mentorship Program: This is unique initiative wherein an opportunity is provided to students to interact with alumni and get guidance over academics, career and personality development. This year 15 students who underwent an extensive selection process are being mentored under 10 Alumni

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Yes, the college has always promoted decentralization and 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. • Every lab has a faculty in Charge who initiates all purchases and repairs. • HoD has been authorized to invite quotations from competitive firms. Comparative statement is prepared and recommendations are made by the Department.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	<ul style="list-style-type: none">• 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.
Industry Interaction / Collaboration	<ul style="list-style-type: none">• JK has very limited industry and hence industry collaboration remains a challenge. Yet significant progress has

been made in this important area during the previous academic year • MIET signed MoU with Coursera. • MIET signed MoU with Future Prime- Initiative of NASSCOM. • MIET is member of CII- Jammu, PhD Chamber of Commerce • MIET became the authorized center of Mitsubishi Electric India to impart training on PLC, Scada and Robotics

Human Resource Management

•The time for recruitment for outstation candidates has been significantly reduced by introducing Skype interviews and online release of offer letters. •The institution has explored online portals like Naukri.com, LinkedIn Jobs and Facebook Jobs for hiring faculty •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. •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.

Library, ICT and Physical Infrastructure / Instrumentation

• College has subscribed to N-List at cost of Rs 60000. It provides access to more than 6000 e-journals, 1,64,300 e-books through N-LIST and 6,00,000 e-books through NDL • The library infrastructure has been revamped with

new state of the art infrastructure including air Conditioning and fall ceiling. • 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 subscribed 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 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: o Google Classroom has been implemented o Learning Management System is implemented o Campus ERP System is implemented o Analytics Framework - Performance Insight 360 is implemented o Library Management System is implemented o Innovative solar-powered CCTV cameras are installed for campus security o All systems are accessible on 24x7 basis. o Wi-fi facility is available throughout the campus o About 30 of the classes utilize projectors for delivering digital content to the students.

Research and Development

• 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. This year 18 faculty members were incentivised during the research awards. During this year 35 research papers were published by the faculty in various reputed International Journals and Conferences, resulting in a total of 614 research papers till date. • 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. • 21 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. • The IRINS portal for MIET was set up. It is a web-based Research Information Management (RIM) service developed by the Information and Library Network (INFLIBNET) Centre. The portal facilitates the institution to collect, curate and showcase the scholarly communication activities and provide an opportunity to create the scholarly network

Examination and Evaluation

The examinations are conducted by the University of Jammu. However, internal assessment tests are conducted by MIET. However, after autonomy the institution shall carry out its own examinations. 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 during this year are mentioned below: • The quality of question papers is moderated by

Controller of Examination, 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 Controller of Examination Internal Assessment Committee comprising of 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. • 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.

Teaching and Learning

1.The teaching pedagogy is aligned with outcome-based education model
 2.100 percent classrooms and labs are equipped with IT infrastructure to enable ICT based teaching
 3.Google classroom 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.The student's performance is assessed continuously through various assessment tools including classroom performance, tutorials, quizzes, assignments and internal examination.
 5.Teaching and learning processes are continuously improved from the student's feedback collected twice every semester which helps every faculty to improve their teaching procedures. Teachers adhere to the academic calendar prepared for that particular year and have a Course Handout-Lesson plan in hand before commencing the new semester. Course Handouts are shared on the google classroom.

Curriculum Development

The institution regularly upgrades the curriculum based upon the inputs

received from the departmental Advisory Board and prepares a RSC Matrix (Research, Skills Curriculum) which is embedded in all the semesters. Based on the recent communication of Model Curriculum framed by AICTE, college has taken up implementation of revised academic regulations and curriculum, applicable from 2018-19 onwards.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Performance Insight 360
Administration	ERP
Finance and Accounts	ERP
Student Admission and Support	ERP
Examination	ERP

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Salim Qureshi	Fourth International Conference on Information and Communication Technology for Competitive Strategies	ICTCS-2019	11752
2019	Anil Kumar Jha	Training on PLC Scada	Renewable Energy India Expo 2019, Coca-Cola , AEAB Pvt. Ltd, Mitsubishi India private limited ,Gurgaon	7292
2019	Purnendu Prabhat	Robotic Process Automation	NITTTR Chandigarh	3764
2019	Jamini Sharma, Satyendra Kumar, Rajinder Tiwari	Introduction to Basics of Robotics Arm	Mitsubishi Electric India Pvt. Ltd	21046
2019	Vahiny Sharma, Suparti Koul, Akankasha	Data Analytics with Python	IIT Roorkee	9610

2019	Vinayak K Naik, Rakesh Abrol, Sandeep Thakur, Pronnoy Bhat, Amad Ur Rehman, Shubham Mahajan, Kumar Rishabh	Innovative Construction Machinery, Materials and Methods	IIT Jammu	21000
2019	Hanuman Prasad	International Conference on Innovative Trends and Advances in Engineering and Technology	ICITAET-2019	6000
2019	Sahil Sawhney, Rishi Gupta, Purnendu Prabhat, Karan Khajuria	Pre-Incubations Incubation Management	Lovely Professional University	10780
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	NVIDIA DLI Workshop on Fundamentals of Deep Learning for Computer Vision	Nil	19/10/2019	20/10/2019	30	Nil
2019	UI Path Robotic Automation	Nil	30/07/2019	03/08/2019	32	Nil
2020	Training Program on PLC FX-5U	Nil	01/04/2020	15/04/2020	15	Nil
2020	IUCEE Online Teacher Training	Nil	01/05/2020	30/06/2020	9	Nil
2020	Awareness Session on	Awareness Session on	07/03/2020	07/03/2020	50	20

	Health and Hygiene	Health and Hygiene				
2020	Training on ERP	Training on ERP	25/02/2020	10/03/2020	120	50
2020	Management Development Program	Nil	12/02/2020	15/02/2020	15	Nil
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
AICTE Incorporating Universal Human Values in Education	8	05/03/2020	10/03/2020	5
IUCEE Faculty Training on Online Teaching	8	01/02/2020	12/03/2020	15
Pre-Incubations Incubation Management	4	16/01/2020	17/01/2020	2
Faculty Orientation Program	24	01/08/2019	30/06/2020	50
Advanced Composites: Design and Manufacture	5	26/12/2019	30/12/2019	5
Design and Development of RPA Solutions	1	22/07/2019	26/07/2019	5
Introduction to Basics of Robotics Arm	4	09/07/2019	11/07/2019	30
Online Refresher Course in Management	6	01/09/2019	16/01/2020	90
Faculty Induction Programme	22	08/07/2019	10/03/2020	2
NITTT Training Program	27	01/07/2019	31/12/2020	1

No file uploaded.

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
118	118	55	55

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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	1. Free Transport Service 2. Medical/Insurance Cover 3. Self-administered PF Scheme 4. Interest-free loans	1. Founders Scholarships 2. Medical/Insurance Cover 3. Project Funding for select projects 4. Financial support to attend external events.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

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 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

75726196

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Model Institute of Education Research	Yes	Internal Quality Assurance Cell

Administrative	Yes	Model Institute of Education Research	Yes	Internal Quality Assurance Cell
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6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

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. 1) It helps to foster and promote good relationship among faculty, staff, student with parents to promote social development. 2) It helps to create keen interest for the smooth functioning of the institute. 3) It helps to understand the diversified need of the students belonging to different backgrounds 4) Parent feedback is collected once in a year for further improvement.

6.5.3 – Development programmes for support staff (at least three)

- 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. This year a 2-week training programme was organized for the Lab and workshop staff wherein they prepared literature on VLab, wrote material for Pre-Lab sessions, designed experiments for the upcoming semester.
- Awareness talk on health and hygiene.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. The institution has been conferred with the Autonomous Status by the University Grants Commission and it has been further approved by the University of Jammu and State Government. 2. The institution has implemented outcome-based education and is focused on continuous assessment through direct and indirect assessment methodologies 3. The institution has significantly improved the quality of teaching staff by hiring PhD qualified faculty from IITs, NITs and top ranked NIRF institutions 4. The institution has set up PLC, Scada and Robotics lab in association with Mitsubishi Electric to provide practical exposure to students in Factory Automation

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Faculty Induction Programme	01/07/2019	02/09/2019	07/09/2019	22
2019	Tea with Director	01/10/2019	07/10/2019	24/12/2019	350
2019	Training/Orientation session on	12/08/2019	12/08/2019	31/10/2019	285

	Quality Analytics Framework- Performance Insight 360 (PI-360)				
2019	Orientation on Government Scholarships	23/09/2019	23/09/2019	23/09/2019	40
2019	Research Awards	22/11/2019	22/11/2019	22/11/2019	85
2019	Student Induction Programme	12/08/2019	12/08/2019	14/10/2019	285
2020	Faculty Classroom Evaluation	11/03/2020	11/03/2020	13/03/2020	10
2020	Automation of NAAC, NBA and NIRF	01/08/2019	01/08/2019	30/06/2020	15
View File					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International Women's Day	07/03/2020	07/03/2020	50	2
Workshops on Sexual Harassment Awareness	11/02/2020	22/02/2020	250	Nil
AICTE Guidelines on promoting Gender Equality in Institutions to motivate girl students	13/05/2020	13/05/2020	214	Nil

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

- Solar panel are installed on the campus rooftops to harness solar energy, the present solar panels generate energy equivalent to 30KVA.
- The CCTV cameras installed to cover external areas in campus use solar panels to charge their batteries.
- The campus is installed with LED lights throughout.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	No	Nil
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	No	Nil
Rest Rooms	Yes	Nil
Scribes for examination	No	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nil	1	10/10/2019	6	Blood Donation Camp	Collection by Red Cross	100
2019	Nil	1	28/10/2019	36	Vigilance Awareness Week	Creating Awareness against fraudulent	30
2019	Nil	1	02/11/2020	4	Installation of Computer Systems and Lecture	In line with the Technology	10
2019	Nil	1	11/11/2019	5	National Education Day	Importance of Education	15
2019	1	Nil	15/07/2019	3	MAT online Exam	Online exam for students	80
2019	1	Nil	11/09/2019	6	Co Cubes	Better Placement Opportunities	165

2019	1	Null	21/10/2019	12	Project athon	In line with the Technology	75
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
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No Data Entered/Not Applicable !!!

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
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No Data Entered/Not Applicable !!!

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five):

- 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 6o C.
- Use of Renewable Energy
 - The CCTV cameras installed to cover external areas in campus use solar panels to charge their batteries.
 - 30 KVA solar power generator is installed in campus under Govt. subsidy at cost of Rs. 5.40 Lakhs.
- 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, JK, students were involved in plantation of trees and creating anUrban Forest over the years. As on today, this forest comprises:
 - Number of tree of age 15 years and more - 700
 - 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 around20-30 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 (phyllanthusemblica)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.
 - Latest batch of E-waste weighing 3945 Kgs comprising 106 CRT monitors and 85 key boards were disposed-off.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Title of the Best 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, Research Promotion Scheme and 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: 563 research papers published by faculty till date with 60 in international journals and conferences, 21 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 JK and we are the only private institution which has a credible research output and culture which supports faculty research. Contact Details: Name of the Director: Prof. Ankur Gupta Name of the Institution: Model Institute of Engineering Technology City: Jammu Pin Code:181122 Accredited Status: Accredited with "A" Work Phone: 0191-2623116 Fax: 0191-2623181 Website: mietjammu.in E-Mail: ankurgupta@mietjammu.in Mobile: 9797522100

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.mietjmu.in/>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

1. MIET became the first and only technical institution in the JK UT to be conferred Autonomous status by University Grants Commission 2. MIET is the only NAAC "A" grade accredited technical institution in the state of JK. 3. MIET is the only institution in the state of JK to have filed 21 patents and have been

granted 1 patent. 4. MIET became the first institution in the state of Jammu and Kashmir to receive the NBA accreditation for duration of 3 years for the Computer Science and Engineering Department 5. Linkages with top 5 out of top 10 IT companies including IBM, Dell-EMC, Cisco, Microsoft, Amazon, Bentley, Mitsubishi (most industrial linkages in the region) 6. MoU with University of Missouri-Kansas City, USA for direct admission to MS program without GRE and guaranteed tuition fee waiver. 7. Strong RD push - 21patents filed, 1 IT product commercialized, 614 research papers, International Journal of Next-Generation Computing (IJNGC) published since 2010 (indexed in Web of Science) 8. MIET is the only private college in the region permanently affiliated to the University of Jammu

Provide the weblink of the institution

<https://www.mietjmu.in/>

8.Future Plans of Actions for Next Academic Year

1.To implement the UGC regulations for autonomous institutions 2.To attain NBA accreditation for 50 percent of the departments. 3.To take up consultancy projects 4.To start two new under-graduate programs BBA and B.Com under School of Management 5.To start the semester-abroad academic arrangement with the University of Florida, USA for 8th semester B.E students of MIET (CSE, ECE/EE). 6. To start the two-year MCA program at MIET