



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		MAR BASELIOS INSTITUTE OF TECHNOLOGY AND SCIENCE
Name of the head of the Institution		Dr. P Sojan Lal
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04852837807
Mobile no.		9446745380
Registered Email		dean.ac@mbits.edu.in
Alternate Email		office@mbits.ac.in
Address		Mar Baselios Institute of Technology and Science Nellimattom P. O., Kothamangalam, Ernakulam District.
City/Town		Kothamangalam
State/UT		Kerala

Pincode	686693																		
2. Institutional Status																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	Dr. Solly George																		
Phone no/Alternate Phone no.	04852837807																		
Mobile no.	8943672581																		
Registered Email	iqac@mbits.ac.in																		
Alternate Email	info@mbits.ac.in																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://www.mbits.edu.in/uploads/IOAC/NAAC.html																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.mbits.edu.in/uploads/																		
5. Accreditation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B++</td> <td>2.78</td> <td>2020</td> <td>14-Feb-2020</td> <td>13-Feb-2025</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	B++	2.78	2020	14-Feb-2020	13-Feb-2025
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	B++	2.78	2020	14-Feb-2020	13-Feb-2025														
6. Date of Establishment of IQAC	15-Jan-2014																		
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															

Regular meeting of the IQAC	09-Mar-2020 1	9
Regular meeting of the IQAC	06-Mar-2020 1	19
Regular meeting of the IQAC	06-Jan-2020 1	17
Regular meeting of the IQAC	05-Sep-2019 1	17
Feedback from Stakeholders - Students	27-Sep-2019 3	1018
Feedback from Stakeholders - Parents	24-Oct-2019 10	520
Academic Audit - Internal	07-Oct-2019 9	1113
Academic Audit - Internal	09-Dec-2019 8	1113
Academic Audit - External	08-Nov-2019 1	1113
Participation in NIRF	15-Nov-2019 15	1113
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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!!!				
No Files Uploaded !!!				

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 :

4

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?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Completed NAAC Accreditation Process

Formation of Education 4.0 Implementation Committee (E4IC) and its involvement

Formation of Covid19 Cell and contributions by the institute during the pandemic

Effective Career Guidance, Placement Training and Add on Courses

Participation of Students / Staffs in online certificate courses (MOOC / NPTEL)

[View File](#)**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	Achivements/Outcomes
To make more students / staff to involve in online certificate courses	Students / staff participation in online certificate courses (MOOC / NPTEL)
Steps for the improvement of Institute Industry Interaction	MoU with Industries
Initiative to improve the design thinking of students and to participate in national level SIH, IEDC, IICDC, Institute Innovation Council etc.	Team FORBOTS won the first prize worth 1 lakh rupees for Smart India Hackathon 2019 Hardware Edition by AICTE, Government of India conducted at Reva University, Banglore. Team Metal Heads won overall 4th in All India Ranking for ISNEE QUADTORC 2K19 conducted at Garage 1, Chandpur, UP.
Initiatives to do Summer Internship in Prestigious Institutions (NIT, IIT etc.)	Sponsorship Certificates. Many students applied, but due to Covid19 many of the Institutes cancelled the same.
NAAC Accreditation	Accredited with B plus plus grade
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Planning and Monitoring Committee	17-Aug-2021

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

Yes

Date of Visit	23-Jan-2020
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	03-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)	<p>CAMPUS AUTOMATION SOFTWARE (ELive). Our College is fully equipped with campus automation software, ELive Campus. ELive Campus is a complete online campus management software that extends campus information to teachers, staff members, parents, students and Management. ELive Campus provides flexible access to users from within the campus, from home or over the public internet with digital encryption of your data offering peace of mind and security. Connecting our campus community with ELive Campus will provide us with the ability to offer staff members, new ways of working and provide parents with access to valuable family and student information. By accessing the web, teachers can access information from home, whilst parents can access their wards attendance and academic records. MODULES IN ELive.</p> <ul style="list-style-type: none"> • Student Admission and profile creation. • Class creation, roll number allocation and register number creation. • Group mapping for classes and elective subject mapping. • Student Attendance and reports in various category. • Student assignment marks. • Minor course details and honours subject mapping. • Student internal mark entry and reports. • Student university grade entry and various reports. • Sessional mark reports for college and university. • Tutor details for each branch and batch. • Time Table mapping, entry and reports. • Staff attendance mapping and entry reports. • Teacher workload reports. • Employee master and staff records. • Leave details of all staff members according to different category. • Holiday mapping and reports. • Swipe details

for each day and monthly reports. • TDS, PF, ESI and other details. • Payroll calculation and related salary reports. • Fee collection module and other reports. • Transportation facility reports for both staff and students by route wise. • Future proposal (Hostel facility, Alumni details, Feedback mechanism, NAAC and NBA reports to be included by this year). E essentials is an ERP which is used by our college which is maintained by a single database. This is used for Human Resource Management, payroll, Finance, procurement, purchases, maintenance and inventory management.

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 institute is affiliated to APJ Abdul Kalam Technological University and follows the university designed curriculum. The university prepares an academic calendar that specifies the duration of the semester, date of commencement and end date, examination dates etc. The effective curriculum delivery is ensured through the following procedure: • Based on university academic calendar, the Dean Academics prepares a detailed academic calendar which includes internal test dates, remedial classes, extracurricular activities etc. It is then approved in the HOD meetings and thereby published. All classes are conducted either online or offline strictly following the academic calendar. • HOD Meeting: Principal, HODs and Deans meet either online or offline twice in a week. HODs discuss their action plans to arrive an optimal and effective way of implementation of curriculum delivery. • Department Staff Meeting: Department wise staff meetings are conducted either online or offline once in a week. Decisions in the HOD meetings are conveyed to the faculty members. Suggestions from them are collected and formulated as action plans. • Course Plan: Before the beginning of the semester a course plan is prepared for every course by the respective faculty and is approved by the HOD. • Course File: Faculty members maintain a course file for all courses including laboratory courses which contain: - Course Diary which contains course plan, subject coverage, academic calendar, students' attendance, result analysis etc. - Mapping of COs with POs & PSOs - Tutorial / Assignment Questions - Sample Tutorial / Assignment Book - Question Papers & Scheme of Evaluation for Internal Exams - Sample Answer Sheets of Internal Exams - University Question Papers - Scheme of Evaluation & Answer Key for University Question Papers. • Course / Class Committee Meeting: Periodic Course / Class Committee Meeting with students' representatives are conducted either online or offline for the effective implementation of Course plan. • Tutorials: Tutorials are conducted regularly and effectively. • Result Analysis: Proper evaluation of internal exams, tutorials and assignments are done by faculty members and are reviewed by the HOD. • Remedial Classes: Remedial classes are arranged for weak students who show poor performance in internal examinations. • Progress Report: Progress report of each student including internal exam marks and University results are available in Elive campus software. • PTA meeting: PTA meeting is conducted in each semester and

students' progress report is distributed to parents. • Practical courses: Laboratory manual is prepared for all the experiments and is given to students. Detailed online lecture with demonstration of each experiment is conducted for students. • Bloom's Taxonomy: Internal examination and assignment questions are prepared based on Bloom's Taxonomy. • Feedback System: Timely feedback is obtained from the students, staff, training and placement cell and alumni. Measures are taken to do necessary changes by the IQAC. • Management: Management, meet principal and HODs periodically and give full support. • Course End Survey: To assess the effectiveness of curriculum delivery, course end survey is being conducted for all the courses.

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
RPA Foundation and RPA Orchestrator	Nil	07/10/2019	20	Familiarization with Robotic Automation	Robotic Automation using UiPath Tool
Google Cloud Career Readiness Programme	Nil	01/09/2019	90	Familiarization with Google Cloud platform essentials	Learners explored and deployed solution elements, including in infrastructure components such as networks, systems and applications services using Google Cloud Platform

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
BTech	Civil Engineering	12/08/2019
BTech	Mechanical Engineering	12/08/2019
BTech	Electronics and Communication Engineering	12/08/2019
BTech	Electrical and Electronics Engineering	12/08/2019
BTech	Computer Science and	12/08/2019

Engineering

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

	Certificate	Diploma Course
Number of Students	102	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
HUN101 Life Skills	12/08/2019	219
HUN102 Professional Communication	13/01/2020	219
Induction Program for S1 students	24/07/2019	219
Aptitude and soft skill development by Six Phrase	01/08/2019	380
RPA Foundation and RPA Orchestrator	07/10/2019	44
Google Cloud Career Readiness Programme	01/09/2019	58
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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
BTech	Civil Engineering	104
BTech	Mechanical Engineering	54
BTech	Electronics and Communication Engineering	63
BTech	Electrical and Electronics Engineering	33
BTech	Computer Science and Engineering	59
Mtech	Computer Aided Structural Engineering	2
View File		

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

Feedback form / formats are designed for the stakeholders. This includes faculty feedback, alumni feedback, student feedback, course end survey, etc. Faculty feedback from the students for the respective course is taken twice in a year on various teaching / learning aspects and it is analyzed by the HODs and corrective measures, if any, are informed to the respective faculty for further improvements. Course exit feedback and program exit feedback are taken to analyze the understanding capability of the students. Feedback about the infrastructural facilities are taken from the final year students at the end of the program for improving the lab facilities, if any. The feedback so obtained is analyzed for further improvement. Feedback from the parents is taken by interacting with them during the Parent Teacher Meet. Feedback is taken from alumni for suggestions or improvements in the curriculum. We have also installed a suggestion box which is accessible to all the stakeholders so that they can give their feedback / suggestions for improvements, if any. We have a system of taking feedback from students on infrastructure and also subject wise teachers. This is a feedback on 5-point scale, which measures parameters like Subject knowledge, Expression, Teaching aids used, methodology etc. which is analyzed by our management for taking appropriate decisions for improving the infrastructure and also quality of teachers. The alumni feedback and exit feedback are taken from all students. From these forms we are able to make out whether the proper teaching learning process is in place. Also, this process enables the institute to improve in the areas wherever necessary. The feedback is a key tool which triggers continuous improvement in the quality of education. The feedback is taken from students in order to analyze and implement as per their needs. Also, feedback is taken from experts and external examiners on the quality of our students. Based on the faculty feedback the probationers and regular faculty are counselled for the lacunae. Based on the above feedback and suggestions received we take corrective actions to complete the loop.

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
BTech	Civil Engineering	132	120	62
BTech	Mechanical Engineering	132	100	55
BTech	Electronics and Communication Engineering	66	80	36
BTech	Electrical and Electronics Engineering	66	60	41
BTech	Computer science and Engineering	66	150	62
Mtech	Computer Aided Structural Engineering	18	16	12

Mtech	Computer Integrated Manufacturing	18	4	3
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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 teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	988	30	77	1	17

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
95	95	4	19	1	4

[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)

A system of mentorship has been adopted by the college to give individual care to students. From each class, a group of 15 students has been allocated to each faculty based on this idea. Students can approach their respective mentors any time and discuss their problems. The main objective of this mentorship is to guide the students in academics as well as in the development of their all-round personality thereby making the college a home away from home. 'To Do' List of Faculty mentors include - 1) Introduction of group and discussion of the mentor – mentee system. 2) Call of meeting and record of details in the form about goal setting action plans. 3) Mentor shall advise and take necessary actions about the attendance of the mentee with regards to University rules. 4) Mentor shall keep the track of the overall academic performance of the mentee through counselling. 5) Keep a track of attendance and academic performance. 6) Provide academic and emotional support. 7) Contact the parents and inform them about the progress of their ward. 8) Arrange remedial teaching, if necessary. 9) Encourage the students to take the advice and guidance of the mentor whenever essential. The student mentoring system at MBITS helps to provide guidelines and support to the students in different avenues of academic and personal aspects. Under the Mentor-Mentee system, the college aims to improve the overall personality development of the students and to inculcate qualities like problem solving, decision making, stress management, self-motivation and human values. The campus has also developed a culture where the teachers are proactive and more vigilant in dealing with students problems. They put extra efforts to mentor and motivate students and also identify their inner strengths. The campus has the services of a full time Counsellor, who takes the lead in activities of the Counselling Cell. The cell actively works towards reaching out to the students and helping them with their wellbeing.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1018	78	1:13

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned	No. of filled positions	Vacant positions	Positions filled during	No. of faculty with
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positions			the current year	Ph.D
92	95	Nil	3	7

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
2019	Dr. P Sojan Lal	Principal	Smart India Hackathon 2019, MHRD, AICTE
2019	Robin George	Assistant Professor	Smart India Hackathon 2019, MHRD, AICTE
2019	Midhun Mathew	Assistant Professor	Elite Academicians of IICDC, AICTE
2019	Tinku Soman Jacob	Assistant Professor	Elite Academicians of IICDC, AICTE
2020	Arun Eldho Alias	Assistant Professor	KPIT SPARKLE 2020
2020	Abin Sunny	Assistant Professor	ISNEE QUADTORC 2K19
2020	Mahesh K M	Assistant Professor	Appreciation received from APJ Abdul Kalam Technological University
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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
Mtech	CASE	3	01/01/2020	29/05/2020
Mtech	CASE, CIM	1	03/01/2020	12/06/2020
BTech	CE, ME, ECE, EEE, CSE	8	06/06/2019	16/07/2019
BTech	CE, ME, ECE, EEE, CSE	6	15/06/2019	29/07/2019
BTech	CE, ME, ECE, EEE, CSE	4	21/06/2019	15/08/2019
BTech	CE, ME, ECE, EEE, CSE	2	03/07/2019	23/08/2019
BTech	CE, ME, ECE,	1	19/12/2019	07/05/2020

	EEE, CSE			
BTech	CE, ME, ECE, EEE, CSE	3	18/01/2020	28/03/2020
BTech	CE, ME, ECE, EEE, CSE	5	06/01/2020	25/03/2020
BTech	CE, ME, ECE, EEE, CSE	7	02/03/2020	09/04/2020

[View File](#)

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The university regulations for conducting internal evaluations are followed along with the regulations of the institute. •As due the present pandemic situation, the Examination Committee schedules and executes the evaluation process with the help of LMS. •Basic criteria for internal assessment are made known to students through university website, institute website, notice boards, class committee and through students' handbook. •The class test time table is published one week prior to the examination date. The question paper of each subject is evaluated by the department question paper scrutiny committee members. •The results of each test are declared within a week of the conclusion of the test and the Result analysis is done by class tutors. All the answer sheets are returned through Google classroom. The students can see their respective answer sheets and discuss their queries with concerned staff. •Students submit the assignments on the scheduled date in Google classroom. After evaluation, scripts are returned. •Attendance is properly monitored and recorded. •In laboratory courses, continuous assessment is done by considering day-to-day laboratory work, preparation of work book, regular class viva and end semester examination. •Project evaluation has two internal assessments. Viva and oral are conducted with the relevant academy and industry people. •Class/course committee meetings are conducted after each internal exam and results are analyzed in the meeting. •Department meetings are conducted to review the results after each class tests. HOD and Principal verifies the internal marks. Thus, the students are continuously evaluated through a transparent internal evaluation process.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Preparation of Academic Calendar: KTU publish academic calendar for the complete academic year. University calendar is used as a reference point to prepare academic calendar of the institute. Academic calendar is prepared and circulated in advance to all concerned. Contents of Academic Calendar: • Registration and Commencement of classes • Course selection, registration mapping details • Exam registration details • Class committee and course committee meetings • Schedule for class test I and class test II • Schedule for remedial classes • Date for publishing attendance and internal marks for UG and PG • Practical / Oral / Theory Examination dates • Last date for forwarding list of examiners to university by cluster convener (PG) • Last date for evaluation of practical (PG) • Last date for project evaluation internal (S8 B. Tech) • Date for Project evaluation by Dept. Committee (PG) to be completed • Date for Submission of project report in the college (PG) • Date for project evaluation and viva voce (PG and UG) by external • Last date for uploading of viva voce marks (PG and UG) by external • Commencement of summer course • Date for Summer course eligibility uploading • Conclusion of classes • Commencement of exams • Result declaration dates • Holidays All the faculty prepared the course plan covering the syllabus, tutorial, remedial and revision classes are being approved by the HOD in the beginning of the semester. The subject coverage is also verified periodically by the HOD.

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)

<http://www.mbits.edu.in/departments>

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
CASE	Mtech	Computer Aided Structural Engineering	15	15	100
CSE	BTech	Computer Science and Engineering	59	58	98.31
EEE	BTech	Electrical and Electronics Engineering	17	17	100
ECE	BTech	Electronics and communication Engineering	20	20	100
ME	BTech	Mechanical Engineering	86	85	98.84
CE	BTech	Civil Engineering	88	87	98.86

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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://www.mbits.edu.in/uploads/IOAC/NAAC.html>

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

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
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National webinar on the future of engineering education	IQAC	30/05/2020
Skill share Python	IEDC	25/05/2020
Motivational and technical talk on smart meters	ECE	19/02/2020
Workshop on product prototyping	IEDC	18/02/2020
Trends in AI and Robotics	IEDC	14/02/2020
Skill share C plus plus	IEDC	14/02/2020
Technical talk on Building India: New challenges	CE	15/11/2019
Seminar on IEEE and its benefits	ECE	02/11/2019
Seminar on Meet the CEO	CSE	01/11/2019
Workshop on mobile application development	IEDC	16/10/2019

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
Metal Heads	Team Metal Heads	ISNEE QUADTORC 2K19	07/09/2019	QUADTORC
Retrofitting of conventional vehicle to semi autonomous electric vehicle	Arun Eldho Alias (Mentor) and Team	KPIT SPARKLE 2020	01/03/2020	Energy and mobility for future
Forbots	Team Forbots	Smart India Hackathon 2019, MHRD, AICTE	12/07/2019	Hardware edition
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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 !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	10000	0

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	Civil Engineering	35	5.75
International	Mechanical Engineering	5	3.49
International	Computer Science and Engineering	3	4.98
International	Electronics and Communication Engineering	1	1.66
International	Electrical and Electronics Engineering	1	1.24
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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
Civil Engineering	2
Computer Science and Engineering	5
View File	

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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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
No Data Entered/Not Applicable !!!						
No file uploaded.						

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	19	48	28	Nil
Presented papers	6	1	Nil	Nil
Resource persons	1	2	1	Nil
View File				

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
Campus Cleaning and Beautification	NSS	4	120
Flood Relief	NSS	10	113
Independence Day	College Union	38	104
Sapling Planting	NSS	4	116
Talk on Cyber Crimes	NSS	6	180
Flood Relief - Uriyampetty	NSS	6	15
NSS Day	NSS	4	194
Anti Ragging Awareness	Anti Ragging Cell	10	247
Blood Donation Campaign	NSS	10	110
Onam Celebration at Pratheeksha	NSS	4	118

[View File](#)

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
Blood Donation Campaign	Recognition from IMA	IMA	110
Rebuild Kerala Initiative	Recognition from LSGD, Kerala	LSGD, Kerala	27

No file uploaded.

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/Agen- cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
E-Service	NSS	Aadhar Rectification Campaign	10	164
Swachh Bharat	NSS	Green Protocol Implementation	6	139
Disaster Management	NSS	Flood Relief	10	113
Disaster Management	Covid-19 Cell	COVID-19 Cell Activities	4	150

Swachh Bharat	NSS	Campus Cleaning and Beautification	4	120
Swachh Bharat	NSS	Sapling Planting	4	116
Swachh Bharat	NSS	Paper Pen Making	3	94
Gender Issue	Women Cell	Womens Day Celebration	10	30
Rebuild Kerala Initiative	LSGD, Kerala	Renovation of LSGD Roads	11	27
Blood Donation	NSS	Blood Donation Campaign	10	110
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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
Faculty Exchange	Viswajyothi College of Engineering and Technology, Vazhakulam	Institution Funded	5
Faculty Exchange	Rajagiri School of Engineering and Technology, Kakkanad	Institution Funded	12
Faculty Exchange	Adi Shankara Institute of Engineering and Technology, Kalady	Institution Funded	3
Faculty Exchange	Nexpression Pvt. Ltd., Kerala	Institution Funded	2
Faculty Exchange	VSSC, ISRO, Trivandrum	Institution Funded	1
Faculty Exchange	NIT, Warangal	Institution Funded	1
Faculty Exchange	Institution of Engineers India, Cochin	Institution Funded	1
Faculty Exchange	Federal Institute of Science and Technology, Angamaly	Institution Funded	1
Faculty Exchange	Vimal Jyothi College of Engineering, Kannur	Institution Funded	6
Faculty Exchange	DRJ Telecom, USA	Institution	1

Funded

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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 institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Project Work	M.Tech Project	VSSC, ISRO, Trivandrum	01/08/2019	24/06/2020	CE Department- 2 students
Workshop	Industrial Training / Workshop	Nexpression Pvt. Ltd., Kerala	18/02/2020	19/02/2020	ME Department- 1 student
Workshop	Industrial Training / Workshop	The Institution of Engineers (India) Tiru chirappalli Local Centre	20/09/2019	21/09/2019	CE Department- 8 students
Field trip	Industrial Visit	TechBlaze Solutions, Kerala Kakkoor, Piravom, Kerala 686662	06/03/2020	06/03/2020	CSE Department- 48 students
Internship	Industrial Training	VMware Software India Pvt. Ltd., J. P. Nagar, Bengaluru, Karnataka 560076	08/07/2019	12/07/2019	ME Department- 1 student, ECE Department- 5 students
Internship	Industrial Training	Keltron Controls, Aroor, Alappuzha, Kerala 688534	04/07/2019	11/07/2019	CSE Department- 7 students, ECE Department- 5 students
Internship	Industrial Training	Cochin Shipyard Limited, Ravipuram, Perumanoor, Kochi, Kerala 682015	01/07/2019	06/07/2019	ME Department- 2 students

Internship	Industrial Training	Laxmiinfotek Kalamassery	29/05/2019	09/06/2019	ECE Department- 2 students
Internship	Industrial Training	Pantech ProEd Pvt.Ltd, Ernakulam, Kerala 682017	11/07/2019	15/07/2019	CSE Department- 2 students, EEE Department- 17 students, ECE Department- 2 students
Internship	Industrial Training	Kerala Electrical and Allied Engineering Company Limited, Mamala, Kochi 682305	10/07/2019	15/07/2019	EEE Department- 1 student

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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
Shades Architectural Associates, Mathson chambers, Kothamangalam	02/07/2019	Curriculum Design, Industrial Training Visit, Iternships, research development, skill development programmes, guest lectures, FDP	6
DRJ Telecom, 8399 Buckeyen Court, Frederick, MD21702, USA	02/07/2019	Curriculum Design, Industrial Training Visit, Iternships, research development, skill development programmes, guest lectures, FDP	100
Accredited Training Online Inc., Calgary, Alberta, Canada	09/07/2019	Publications, Curriculum design, Visiting Faculty, Training Development Programmes, Guest Lectures, FDP	4
Monlash Solutions Private Limited, Ernakulam	20/07/2019	Curriculum Design, Industrial Training Visit,	4

		Iternships, research development, skill development programmes, guest lectures, FDP	
Metrolla Steels Ltd, Muvattupuzha, Pezhakkappilly	22/07/2019	Curriculum Design, Industrial Training Visit, Iternships, research development, skill development programmes, guest lectures, FDP	60
Manhaar Constructions India Pvt Ltd, Kothamangalam	24/07/2019	Curriculum Design, Industrial Training Visit, Iternships, research development, skill development programmes	4
Eldhose Engineers, Civil Structural Engineers, Perumbavoor	25/07/2019	Industrial Training Visit, Iternships, skill development programmes	90
Kottancheril Builders Consultants Pvt Ltd, Kothamangalam	29/07/2019	Curriculum Design, Industrial Training Visit, Iternships, research development, skill development programmes	4
Ojes Automobiles, Kothamangalam	05/09/2019	Curriculum Design, Industrial Training Visit, Iternships, research development, skill development programmes	6
Transformers and Electricals Kerala Limited (TELK), Ernakulam	18/09/2019	Consultancy, training programmes projects	4

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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

120	116.25
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4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
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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
KOHA	Partially	19.05.04.000	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	18853	1100000	147	48000	19000	1148000
Reference Books	250	125000	10	9500	260	134500
e-Books	750	Nil	10	Nil	760	Nil
Journals	66	130000	Nil	Nil	66	130000
e-Journals	3	63570	Nil	Nil	3	63570
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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
Nedheesh Eldho Baby	Engineering Graphics - Section of Solids	YouTube	20/03/2020
Jobil Varghese	Structural Analysis I -	YouTube	20/03/2020

Rolling Loads and Influence lines

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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	402	320	402	80	80	22	42	50	29
Added	0	0	0	0	0	0	0	90	0
Total	402	320	402	80	80	22	42	140	29

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

140 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
SDPK -BSNL FTTH : 61.2.64.4	https://www.youtube.com/channel/UCgIZ4Rw6Hwlw69c7vsm5q3Q/featured

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 academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
22	10.48	116.31	79.66

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, academic and support facilities are well maintained using the budget allocated annually. The maintenance and housekeeping of the classrooms, laboratories, library, and the institute as a whole are taken care by the non-teaching staff. Laboratory. Optimum utilization of laboratory resources is ensured by the faculty and lab assistants. In order to avoid risk from viruses, spyware and other external threats, legal antivirus is installed in all the computers. Access to internet is provided in the lab even after college working hours. The lab staffs collect the list of equipment for servicing at the end of every semester from the respective labs and a communication is sent to the respective companies and their consent is taken for servicing the equipment. An estimate is obtained which is then submitted for the approval of the department HOD and Principal thereafter sent to the Management for final approval and the amount is settled with the company after servicing. During the Covid-19 pandemic, virtual labs and google classrooms were utilized for the smooth conduct of labs. Library. In order to provide suitable atmosphere for reading, proper maintenance of reading tables and chairs is taken care of. Dusting, shelving of reading materials and stock verification of library books is done on a regular basis by the library staff. The maintenance and utilization of

library includes maintenance and organization of collections, bar-coding, repair and rebinding of damaged books. The librarian collects the list of books required by each department through the HODs during the beginning of each semester and submits it for the approval of the Principal. Class Rooms. The availability and state of the classroom plays a key role in facilitating the teaching-learning process. Institute provides a good physical environment in the form of desks, chairs, tables, space, instructional materials, proper lighting and ventilation as well as the latest Information and Communication Technology (ICT) equipment. During the Covid-19 pandemic, virtual meet and google classrooms were utilized for the smooth conduct of classes and assessments. Sports. Regular maintenance of the play area is done a regular basis under the supervision of Physical education faculty. A first aid box is always available for the students in case of any emergency. Awards, Trophies and Certificates are issued to the individuals teams after the completion of the events and published in the annual college magazine. Canteen. The Institution runs a fully-fledged canteen under the supervision of faculty where hygienic and nutritious food is provided to the students and staff of the Institution. The surroundings of the canteen are also well taken care of and a biogas plant is in function. Transportation. Transport in-charge is responsible for allotting the routes considering the number of students and faculty travelling from various locations to ensure safe and comfortable travel. The transport in-charge also maintains college vehicles and obtains necessary clearance certificates, insurance, and permits from the RTA.

<https://www.mbits.edu.in/resources>

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	Scholarship provided by the institution	680	16643150
Financial Support from Other Sources			
a) National	Merit Cum Means, Central Sector Scholarship, e-Grant, Tuition Fee Waiver, PMSS (MHA) and Pragati scholarship	174	4478500
b) International	Nil	Nil	0

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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
Personal Counselling	12/08/2019	54	MBITS, Nellimattom P. O., Kothamangalam
Yoga and meditation	25/07/2019	272	MBITS, Nellimattom P. O.,

			Kothamangalam
Bridge courses	24/07/2019	219	MBITS, Nellimattom P. O., Kothamangalam
Remedial classes	02/09/2019	308	MBITS, Nellimattom P. O., Kothamangalam
Aptitude / Quantitative	03/08/2019	270	Six Phrase Finishing School
Soft skill development	14/10/2019	110	Six Phrase Finishing School
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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
2019	Guidance for Competitive Examinations	270	Nil	13	Nil
2019	Career Counselling	Nil	503	Nil	127
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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
8	7	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
TCS and many more	235	127	Aabasoft and many more	45	20
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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
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2020	1	B.Tech	Civil Engineering	Lambton University	M.S
2020	1	B.Tech	Computer Science and Engineering	Mar Athanasius College of Engineering, Kothamangalam	M.Tech
2020	1	B.Tech	Computer Science and Engineering	Sault college, Toronto	M.S
2020	1	B.Tech	Mechanical Engineering	University of Northampton, UK	M.S
2020	4	B.Tech	Mechanical Engineering	Conestoga College, Canada	M.S
2020	2	B.Tech	Mechanical Engineering	UCC, Ireland	M.S
2020	1	B.Tech	Electrical and Electronics Engineering	Mar Athanasius college of Engineering, Kothamangalam	M.Tech
2020	1	B.Tech	Electrical and Electronics Engineering	MES AIMAT, Marampally	MBA
2020	1	B.Tech	Electronics and Communication Engineering	Fleming College, Canada	PG diploma
2020	1	B.Tech	Electronics and Communication Engineering	Lambton College, Canada	M.S
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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
GATE	1
Any Other	12
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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
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SKILL SHARE QUIZ COMPETITION	Institution level	30
IDEA PITCHING COMPETITION	Institution level	36
WOMENS DAY CELEBRATIONS	Institution level	40
CAMPUS - SMART INDIA HACKATHON - 2020	Institution level	124
SAKSHAM 2020 - ENCON CLUB PROGRAMME	Institution level	87
FAREWELL AND ALUMNI INDUCTION PROGRAMME - 2019	Institution level	376
MBITS DAY - 2019	Institution level	984
ONAM - 2019	Institution level	1043
ANNUAL SPORTS DAY - 2019	Institution level	486
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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	SMART INDIA HACKATHON 2019	National	Nil	1	M17/4503	Ganesh Sreedhar
2020	KPIT SPARKLE 2020	National	Nil	1	E16/2502	Afsal Ebrahim
2019	ISNEE QUADTORC 2K19	National	1	Nil	M16/2589	Ben Basil Binoy
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

During 2019 - 2020 Academic year, following Academic and Administrative bodies / committees of the institution such as College union, IQAC, Alumni Association, Training Placement Cell, Departmental associations and various other academic committees of the college had active participation in a Academic and Administrative activities One boy representative and one girl representative are elected as Class Representatives (CR) from each class. Finally elected by the conventional parliamentary election process. The Students Representative addresses and represents students' views and grievances, and as a spokesperson, conveys these to the concerned authorities for discussion and amicable resolution. The Students' Representative provides valuable informal feedback regarding curriculum, teaching learning and evaluation process. Class / Course Committees. All programmes have class committees and course committees for each course that comprise of student

members representing each class , along with faculty members nominated by the Head of the Department, other than the course teacher. The Class / Course Committees provide feedback on all aspects of the programme and respective course. Class / Course Committee Meetings are held regularly, at least twice in each semester. Cultural and Sports Committees. Students have strong representations in all cultural and sports and games committees and help in organization and management of events. Hostel Administration. Students provide strong support in the administration and management of hostel affairs. Each hostel has a Captain, Vice-Captain, Mess Committee, Cultural Committee, Sports Committee and Cleanliness Committee. Students organize extra-curricular events and competitions throughout the year. Organization of Special Events. Students organize National celebrations that include, Independence Day, Republic Day, Engineers Day, Science Day and various NSS and social service activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The college has a registered alumni unit (MBITSAA) with registration number EKM/TC/408/2019. Objectives of alumni association. To make the alumni of MBITS stand together to achieve their goals. To utilize the experience, wisdom, ability and spare time of former students of MBITS for the benefit of the weaker section of the society. To enhance and develop various facilities inside the campus. Contribution of Alumni Association. The alumni form the major strength of an institution. MBITS started in the year 2009 and the first batch of students passed out in the month of May 2013. An executive committee was constituted in the year 2013 with Principal Dr. M M Paulose as the president and Asst. Prof. Nedheesh Eldho Baby as the secretary. Association meets twice in an academic year as it is the flag bearer of the developments in the institution. A bank account was opened to receive monetary contributions and do creative spending in a systematic way. The most important contribution of the alumni association is that the members share their experience with their junior students. The main focus is on acquiring a job and working in diverse job environments including working out of state, abroad and working in a company handling different portfolios. The alumni identified that physical fitness and personality development were very important in addition to subject knowledge in performing well in a job. To fulfill this they came forward to start a gymnasium in the college. Alumni felt that the annual expenditure of 20 of the subscription amount, specified in the bye law, was less, and endorsed the increase to 40. They contributed a sum of 1,50,000 rupees for the landscaping and completion of the college front area, which was a dream of alumni, and about 2 lakh rupees for buying chairs for college auditorium. Besides these financial contributions, alumni actively take part in the overall betterment of available facilities in the institution by giving feedback and taking part in various committees in college such as IQAC. To help financially backward students, they made a resolution to make a contribution for giving the scholarship for one student from each branch during every academic year based on academic excellence. As of June 2020, MBITS alumni chapters run in Canada and Germany with more than 30 members in each chapter. To inspire the upcoming students, alumni decided to sanction scholarship amount to the project teams of MBITS as follows. Retrofitted electric esteem (KPIT Sparkle) - Rs. 5000/- V2G Model Solar powered vehicle (KPIT Sparkle) - Rs. 5000/-

5.4.2 – No. of enrolled Alumni:

270

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

5.4.4 – Meetings/activities organized by Alumni Association :

During the academic year 2019 - 2020, 5 no. of meetings were conducted by the alumni association. 1. Date - 10/06/2019, No. of members attended - 10. 2. Alumni Induction Programme: Date - 12/06/2019, No. of members attended - 414, No. of alumni enrolled - 284. 3. Date - 24/07/2019, No. of members attended - 6. 4. Date - 29/08/2019, No. of members attended - 7. 5. Date - 07/02/2020, No. of members attended - 5.

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)

Decentralization is having a significant impact on policies, planning and management in achieving the programme outcomes. For this, various committees and class committees functions at different levels contributed by staff and students. This provides a platform for students to take part in participative management. The student representatives are being given the responsibility for maintaining good order in the class and college. 1) Course / Class Committee. Purpose. To verify compliance with the academic calendar of the university in order to ensure proper content delivery to the students. To impart the suggestions regarding the course conduct. To identify the weak students and to recommend them for remedial classes. To take feedbacks on infrastructural improvements. To recommend the development, implementation, performance and resourcing of the ongoing courses. To suggest palatable teaching methodology as per student aspirations. Functioning. The course / class committee are formed for each class. It is formed in the beginning of the semester. It is headed by a chairman and a convener who is selected from members of the faculty having sufficient experience in academics and who is not related to the course for the current session. Committee consists of staff members handling the courses and the student representatives. Three meetings are conducted in each semester, one at the beginning, the second and third ones after the first and second internal examination respectively. The minutes are recorded along with actions to be taken as per the recommendations. The first meeting conducts discussions on academic calendar, course plan, tutorials/assignments, reference books etc. The second class committee meeting evaluates the student's performance of first internal exam and identifies the weaker students. They are further referred for the remedial class. Attendance of each student is evaluated. PTA meeting is conducted to inform the parents about the progress of their wards. The difficulties faced by the students are identified and suitable remedial measure the taken. The committee submits the report to the HOD. HOD discusses the reports with faculty members and the possible improvements are implemented. The specific matters are discussed in the periodic HOD meetings with the Principal. The decisions are further implemented by the Principal through the HOD's and faculty members. The decisions are executed through the faculty advisors. In this system, students are assigned to a particular faculty member till the completion of the graduate program. They act as foster fathers in grooming them up as committed engineers. In this way, the class committee and faculty advisor system work in tandem for achieving the above objectives. 2) Hostel Administration. Students provide strong support in the administration and management of hostel affairs. Each hostel has a Captain, Vice-Captain, Mess Committee, Cultural Committee, Sports Committee and Cleanliness Committee. Students have strong representations in all cultural, sports and games committees and help in organization and management of events. Students organize extra-curricular events and competitions throughout the year. Thus our

institution maintains effective practices in decentralization and participative management.

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
Curriculum Development	<p>The design and development of academic curriculum is done by the University. The Institute supplements the curriculum through enrichment program in the form of value added courses and soft skill trainings through the Placement activities Industrial training programs. In addition, along with classroom teaching other activities such as projects, Industrial visit, survey etc. are adopted. Besides Institute promote students to attend various classes and enrol various courses through different online platforms like NPTEL. It will develop their subject knowledge.</p> <p>Institute provides various extracurricular activities as per the direction from the university for the students.</p>
Teaching and Learning	<p>Besides the traditional teaching method, group discussion, class level seminars, industrial visit, use of charts and computer facility for learning to bridge the curricular gap. Student appraisal of teachers, Examination, Mentor System, Remedial Coaching, Innovative practices in teaching are encouraged. The faculty members are continuously evolving the teaching practices by attending various faculty development programs, pedagogical workshops, seminars, internships, orientation programs in premier institutions. Institute has a well developed learning management system for the effective learning process. Seminars, workshops, special lectures are organised on a regular basis. Regular feedbacks from students are taken to improve teaching and learning methods. Remedial classes for weak students are arranged.</p>
Examination and Evaluation	<p>All the Semester Examinations are conducted under the supervision of the Controller of Examinations, Kerala Technological University, Kerala. The</p>

centralized paper evaluation is undertaken and the results are declared by University. As per University rules regulations, 33.3 percentage weightage given to internal evaluation and 66.6 percentage weightage given to external central evaluation. For the case of Lab papers, the examination conducted by the institute as per the direction from university internally and submits the mark to university portal. For the internal evaluation for the students, internal exams are regularly conducted by the supervision of institute exam cell and result will publish through the Elive system.

Research and Development

Research groups are formed based on the specialization of faculty members to enhance research activities in the Department. Institute has a Research Wing to promote the research activities such as publications, funding proposals, grants, patents, innovative projects, MoUs and consultancy activities among internal stake holders. Motivation is given to the faculty and students to participate/ present/ publish papers in the conferences/Seminar/Workshops, involve themselves in Research activities. Centre for Research in science, computer science engineering involves active participation to research.

Library, ICT and Physical Infrastructure / Instrumentation

Central Library consists of 19250 books of 4780 titles, subscription to 66 journals/periodicals. The library has KOHA software facility to manage and locate the available materials and subscription to e-journals like IETE, DELNET, and NDL. ? Library has internet and Xerox machine. ? A separate Digital Library Section with 10 Systems has been implemented. ? Every student has a membership card in the library and students are encouraged to use library frequently. The course plans schedule ensures library-hours. ? Library ensures availability of all newspapers each day. ? Library committee ensures the purchase of relevant books and e-journals to the library.

Human Resource Management

Biometric attendance, Online Time Table through Elive etc. is provided. ? Faculty members are encouraged to apply for FDPs in IIT's, NIT's. ? Faculty is also given support for paper presentations, attending conferences

	<p>and seminars leading to rounded improvement of the intellectual property in MBITS. ? Faculties were appraised motivated for further enrichment with research aptitude. All staff is computer literates with MS word and Excel. Counselling facility for students and faculty is provided.</p>
Industry Interaction / Collaboration	<p>An Industry Institute Cell (IIC) in association with Training and Placement Cell is functioning in MBITS. Industrial visits are made to study the activities of Industries. The collaboration with other education / other institutions is encouraged. Departments are also encouraged to make their course of study relevant to industry. Industrial visits, lectures by industry experts and domain experts are regularly conducted. Internship not less than 2 weeks is part of student curriculum.</p>
Admission of Students	<p>The admissions of the students are strictly followed as per rules and regulation of the Government of Kerala and AICTE norms. For under graduate programmes: The students are admitted through KEAM single window system, NRI and Management quota. For post graduate programmes: The students are admitted through a common entrance test (GATE) and Management quota. Admission process is facilitated through online and offline mode.</p>

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

E-governace area	Details
Planning and Development	<p>Time table planning is done using a software namely ASC Timetable and the implementation of the planned timetable and the curriculum delivery is recorded in Elive on regular basis.</p>
Administration	<p>The college authorities implement full supervision of all service units in the office through the Elive software. The Administration communicates with Governing Body members as well as the teaching and non-teaching staff through email. All-important administrative information including notices is regularly published in the website and Elive. Biometric attendance for all staff members. Fully automated, wireless office with 24x7 internet facility. To achieve the target of Paperless IQAC,</p>

	<p>committee members of it started using Google facilities like Google sheet: For data collection from Various Departments Google Docs: To prepare notices and activity reports. Google Forms: To prepare Feedback forms and get online feedbacks of Students, Parents. The college campus is equipped with CCTV Cameras installed at various places of need. ICT has been introduced in the administrative work. WhatsApp Group helps to provide the brief notices of any event to be happened on college. WhatsApp Groups are also used for awareness and of smooth functioning of the same.</p>
Finance and Accounts	<p>The accounts of the institution are maintained through the Tally software. The same software is used to generate various reports like Consolidated Day Book, General Day Book, Daily Cash Collection report. Financial matters are also dealt with Online mode for transaction purposes.</p>
Student Admission and Support	<p>Elive is used for managing the student admission (both management and merit) and recording all the related matters of every student during the entire programme duration. Student Admission is carried out through the Admission Module of College website and Elive. The college website act as a mirror of the college information. Admission and online transaction interfaces are provided on website. Alumni portal is provided on website for the information of pass out students.</p>
Examination	<p>All the internal and end semester university examination results are available in Elive. The results can be accessed by the students and the parents through Elive. Examination Processes are handled through Elive. Publishing Notices, seating arrangement, Timetable, uploading of marks etc. is done in online manner through Elive and college website. Academic cell of College Examination oversees the complete process of examination under the guidance of the examination controller of the institution</p>

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	Abin Sunny	ISNEE QUADTORC 2K19	Nil	29932
2020	Arun Eldho Alias	KPIT SPARKLE 2020	Nil	10000
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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	Faculty Development Programme on Student Induction	Nil	13/06/2019	15/06/2019	17	Nil
2020	Coursera Corona Virus Response Initiative Program	Nil	01/04/2020	01/04/2020	6	Nil
2020	National Webinar on The Future of Enginee ring Education organized jointly with NIT Warangal VSSC, ISRO	Nil	30/05/2020	30/05/2020	48	Nil
2020	National Webinar on UGC NAAC Teaching Learning Excellence	Nil	24/05/2020	24/05/2020	23	Nil
2020	National Webinar on How to write a Research Paper?	Nil	31/05/2020	31/05/2020	36	Nil

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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
6th International conference on Engineering and Technology	1	05/03/2020	05/03/2020	1
Coursera Corona Virus Response Initiative Program	6	01/04/2020	01/04/2020	1
Faculty Development Programme on Student Induction	17	13/06/2019	15/06/2019	3
FDP on Advanced Combustion Technologies	1	12/06/2019	14/06/2019	3
FDP on Advancements in Drives, Instrumentation and Control	3	01/07/2019	05/07/2019	5
FDP on Building Information Modelling	2	02/12/2019	13/12/2019	10
FDP on Computational Methods in Fluid and Structural Mechanics	1	01/07/2019	12/07/2019	10
FDP on Emerging Areas in Manufacturing	1	25/05/2020	30/05/2020	6
FDP on Geo Hazards and Disaster Mitigation	2	12/12/2019	14/12/2019	3
FDP on IoT Trends to Drive Innovation for	1	11/05/2020	15/05/2020	5

Business and Digital Technology

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
3	Nil	Nil	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • As motivation, financial aids and duty leaves are provided to attend National / International conferences, workshops, FDPs etc. • Encourage faculties to pursue for PhD by giving adequate support. • Personal accident insurance schemes were taken for all employees of the institution. • Treatment aids are provided for those staff who cannot afford the treatment expenses. • Festival allowance is given to all staff members in the month of October for celebrating Mar Basil Day. • Transportation facilities are provided for those who are living in the outskirts of the town. • Based on performance appraisal system of the college best teaching staff is selected and as a token of appreciation, an award is given. • Yearly increment in salary is provided. • Maternity leave is provided. • Compensatory off is provided for all extra duties taken by employees. • After completion of an academic year employees can avail one month vacation leave with pay. 	<ul style="list-style-type: none"> • Employee Provident Fund (EPF), accidental health insurance and ESI are provided. • Maternity leave is provided. • Treatment aid, transportation facility, vacation leave, festival allowance and compensatory off are provided for the non teaching staff also. 	<ul style="list-style-type: none"> • Treatment aids are provided for those students who cannot afford the treatment expenses. • Free medical support facility from MBMM hospital, Kothamangalam. • Honouring achievers during MBITS day and best outgoing student and special achievers during Farewell programme every year. • Personal counselling, Yoga and meditation services for students. • Scholarship schemes by the management for eligible students from rural area and economically weak students. • Monitoring academic and disciplinary issues. • Facilitating extra-curricular activities through clubs and chapters. • Forming students union that acts as a representative of the students. • Addressing students' grievances through Grievance Cell. • Facilitating coaching classes for competitive examinations. • Special soft skill development programmes. • Placement training to all the students on a regular basis.

6.4 – Financial Management and Resource Mobilization

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

The Institute is managed by Mar Baselios Educational and Charitable Trust (MBECT), which is functioning under the auspices of Mar Thoma Cheria Pally, Kothamangalam. The financial accounts of the institute are audited by a statutory auditor regularly on an annual basis from its inception in the year 2009. The anomalies if any pointed out by the auditor are attended to and rectified during the course of the auditing itself. Besides the statutory audit, the Management conducts internal auditing from their side on an annual basis Reports are placed before the annual general meeting of the church, Mar Thoma Cheria Pally and deliberated extensively. Corrective actions are taken as per the directions issued from the Managing Committee of the Church. Internal Audits of various cells including NSS, IEDC etc. are performed by the staff in charge of internal audit periodically. Reports are submitted to the corresponding authorities before the external audit. The copy of internal audit report covering all matters related to maintenance of account is preserved. External audit report and its findings are submitted to the management The audit report is consolidated and the annual return is submitted to the Income Tax department. It is pertinent to state that the Trust (MBECT) has been granted registration under section 10(23C) and section 12A of the Income Tax Act.

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
Mar Thoma Cheria Pally Kothamangalam, MBITS Alumni Association, PTA MBITS	17014650	Scholarships, Alumni Association Programmes, PTA Programmes
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6.4.3 – Total corpus fund generated

0

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	APJ Abdul Kalam Technological University	Yes	Internal Audit Cell
Administrative	Yes	APJ Abdul Kalam Technological University	Yes	Internal Audit Cell

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. PTA meetings (Executive committee and General body). 2. Representations in the Advisory committees of each class (2019 admission students). 3. Participation in First year student induction programme. 4. An amount of Rs. 80500/- generated as PTA fund.

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

Nill

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

1. Learning Management System (LMS) developed by the college for effective online teaching. 2. More no. of staff and students enrollment in NPTEL / MOOC courses. 3. Professional development programmes for staff and students conducted online with more no. of external participants jointly with NIT, Warangal and VSSC, ISRO. 4. Covid-19 Cell activities.

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	No

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
2020	Regular meeting of the IQAC	09/03/2020	09/03/2020	09/03/2020	9
2020	Regular meeting of the IQAC	06/03/2020	06/03/2020	06/03/2020	19
2020	Regular meeting of the IQAC	06/01/2020	06/01/2020	06/01/2020	17
2019	Regular meeting of the IQAC	05/09/2019	05/09/2019	05/09/2019	17
2019	Feedback from Stakeholders - Students	05/09/2019	27/09/2019	29/09/2019	1018
2019	Feedback from Stakeholders - Parents	05/09/2019	24/10/2019	05/11/2019	520
2019	Academic Audit - Internal	05/09/2019	07/10/2019	15/10/2019	1113
2019	Academic Audit - Internal	05/09/2019	09/12/2019	16/12/2019	1113
2019	Academic Audit - External	05/09/2019	08/11/2019	08/11/2019	1113
2019	Participation in NIRF	05/09/2019	15/11/2019	29/11/2019	1113

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
Talk on Behavioural issues in teenagers	30/08/2019	30/08/2019	66	Nil
Idea pitching competition	20/09/2019	20/09/2019	16	20
Talk on block chain and entrepreneurship	10/10/2019	10/10/2019	16	46
Trends in AI and robotics	14/02/2020	14/02/2020	90	100
Product prototyping workshop	18/02/2020	19/02/2020	15	29
Women's Day Celebrations	06/03/2020	06/03/2020	40	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
0.01 (Met by Solar Energy)

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	23
Provision for lift	Yes	23
Ramp/Rails	Yes	23
Braille Software/facilities	No	Nil
Rest Rooms	Yes	23
Scribes for examination	Yes	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	Number of initiatives	Date	Duration	Name of initiative	Issues addressed	Number of participating
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	address locational advantages and disadvantages	taken to engage with and contribute to local community					students and staff
2019	1	Nill	06/01/2020	6	Rebuild Kerala Initiative	Conduct field studies for reconstructing two Panchayat roads namely Anikadu-Pra vidakunnu road in Avoli Gramma Panchayat and 12th mile-Mezh ukumchal road in Adimali Grama Panchayat damaged during mega flood 2018 and DPR submitted	38
2019	Nill	1	02/10/2019	3	Green Protocol	Volunte ership in green protocol managemen t during church festival at Kotham angalam	145
2019	1	Nill	21/08/2019	2	Flood Relief Ac tivities	Material collectio n and Dis tribution in affected places including Tribal village, Uriyampet	123

						ty	
2019	Nill	1	01/06/2019	26	Online Examination Centre	Serves as venue of various competitive examinations	10400
2020	Nill	1	05/02/2020	2	Aadhar Rectification Campaign	Helping public in Aadhar rectification with the help of postal department	174
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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)
Student's conduct and Disciplinary code	22/07/2019	Updated on August 2019 - Includes Objectives of code , Applicability of code, Responsibility of students, Behaviour and Disciplinary actions.
Core Values of Institution	Nill	5 Core values-Honesty and Integrity, Community Development and Participation, Excellence, Global vision, Accountability and Transparency. MBITS hosted a 3 day faculty development programme organised by AICTE on human values as a continuum to our efforts towards inculcation of human values and ethics.
Service Book for staff	Nill	Contains information such as date of appointment, qualification, scale of pay, increment, probation, particulars of leave. Service book is updated and signed by staff members every year.
Leave Norms	10/03/2020	Have well defined leave norms. Set a work from home culture for staff members during the Covid-19 pandemic

		situation.
Courses	22/07/2019	HUT101 Life skills, HUT200 Professional ethics are the courses included in the KTU B.Tech curriculum with the objective to enable the students to create awareness on ethics and human values. This also guides the students to become responsible engineers, experimenters, researchers or business men.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Seminar on Rule of law and Criminal Justice System	05/09/2019	05/09/2019	145
Paper pen making	21/09/2019	21/09/2019	97
Talk on Attitude setting for professional education as part of first year induction	26/07/2019	26/07/2019	218
First year orientation : Talk on universal human values and professional discipline	01/08/2019	01/08/2019	215
Talk on anti narcotics, traffic rules, cyber laws	07/08/2019	07/08/2019	212
Independence Day	15/08/2019	15/08/2020	142
Sapling planting	16/08/2019	16/08/2019	120
Campus cleaning and beautification	28/08/2019	28/08/2019	124
Anti ragging Campaign	03/09/2019	03/09/2019	257
Teachers Day Celebration	05/09/2019	05/09/2019	165
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Bio gas waste management system installed. 2. Rain water recharging pit. 3. Rain water harvesting system with 6 lakh liters capacity. Water is collected from the rooftop having an area of 4220 square meters. 4. Future based pollution free Electric vehicle projects. 5. Adopted new softwares for enabling

paperless campus. 6. Pedestrian friendly roads and street lights. 7. Use of LED lights for campus and garden lighting at night. 8. Campus is planted with bushes and trees which makes it eco friendly and provides fresh air.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice - 1 Title of the Practice: Employability Enhancement. Objectives of the Practice. Every Institution's track record with respect to placements is always a parameter that is strongly considered by Parents before seeking the admission. Accordingly our institute has taken the task of employability enhancement and specific practices are implemented in our institute. The objective is to make our students employable immediately after graduation. The Context. It is necessary that the student attains requisite knowledge in his/her branch of engineering as well as possess adequate soft skills and programming ability to become employable. We focused on all these three aspects to achieve this goal. The Practice. To impart the requisite technical knowledge the following practices are adopted: The important technical aspects are emphasized by every teacher in the classroom. Guest lectures and training programs are arranged for a good number of core subjects in every branch of engineering. Certification programs and training are arranged for specific subjects. For providing adequate soft skills the following methods are adopted. Chosen training programs arranged by external experts are listed here. Aptitude / Quantitative training. Numerous competitive exams are conducted as an eligibility to enter post graduate professional courses as well as for securing services in the government. The subjects and patterns vary according to the level of the test. Most are objective types and followed by a personality test. Activities to promote and to guide the students to appear for examinations are conducted in association with Six Phrase Finishing School during 03/08/2019 to 20/04/2020 and 270 students participated. Soft skill development. As the numbers of graduates are rising every year, employers are becoming critical and strategic in their recruitment. Nowadays the engineering industry looks for technical skills as well as overall personality. To bridge the gap between requirements of the industry and the skills of the students, Soft Skills Development Programs are being organized in association with Six Phrase Finishing School on 14/10/2019 and 110 students participated. Personal counseling. Confidential personal counselling can help you to understand and confront the challenges. Personal counselling provides an opportunity to explore your concerns in a supportive and non-judgmental environment. From 2014 onwards, Ms. Shiji Shanty, MSW, is doing counseling at MBITS. A lot of students have benefitted from this. Evidence of Success. Numbers of students placed. As a result of the continuous training which has been given to the students, the number of placed students is 127. Qualifying exams. As a result of the continuous training which has been given to the students, the number of students appearing in state / national / international level examinations has also increased. The exams include GATE / IELTS / State government examinations. Problems Encountered and Resources Required. Appropriate new techniques are to be adopted for improving communication skills for acquiring better placements. Mini projects and projects based on social commitment made the students confident in the transition from university to workplace. Labs are created to train the students on various domains. Best Practice - 2 Title of the Practice: The Institute Level Scholarship System. Objectives of the practice. To provide support for financially backward students, an institution level scholarship programme has been set up with the support of the management, faculty, staff and alumni of our college. The Context. Annual cost of professional and technical education has increased over the last years. Our scholarship is a support for those who are not eligible for the sponsorship provided by the central and state governments. The Practice. Our college provides scholarships

for academically excelling students coming from financially backward. During the year 2019 - 2020, a total of 680 students benefitted by getting a total scholarship amount of Rs. 1,66,43,150/- Evidence of Success. The scholarship system has been functional for a long period of time and has been a motivational factor for many of the students for actively participating in curricular and co-curricular activities. Our students showcase their talents and bagged numerous achievements in recent years. Problems Encountered and Resources Required. Many students, who are eligible for scholarship are not aware of it. By organizing campaigns we can make sure that every eligible candidate is aware of it. Lack of guidance to prepare for competitive exams makes student ineligible for scholarships. Career guidance programmes can be conducted as a remedy.

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

https://www.mbits.edu.in/uploads/IOAC/files/Best_Practices.pdf

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

RURAL UPLIFTMENT PROGRAM. The aim of the program is to provide employment opportunities to rural areas as well as opportunities to develop their skills so as to improve their living conditions. The objective of Rural upliftment Program is to help families in the rural areas to enhance their state of living and to empower them by helping them to develop at every level. Rural upliftment is implemented through the following programmes: ADDITIONAL SKILL ACQUISITION PROGRAMME. ASAP is a joint initiative of the General Education Department and Higher Education Department, Government of Kerala developed to impart sector specific skills to create a 'labour market' ready work force. This has been accomplished by providing additional skill sets to students along with their regular courses. PRADHAN MANTHRI KOUSAL VIKAS YOJAN. PMKVY is the scheme which has been launched to empower the Indian Youths. The scheme will be implemented through the National Skill Development Corporation. The training under PMKVY includes soft skills, personal grooming, behavioural change for cleanliness, good work ethics. Our college offers Lathe operator course, Assistant Surveyor course, Domestic Data Entry Operator course, Field Technician course and Solar PV Installer course. All courses are offered free of cost. UNNAT BHARAT ABHIYAN. UBA programme involve engaging with neighbouring communities and using technologies for their upliftment. Becoming a part of this technological movement and among the fewer institutions selected from Kerala, MBITS is poised to intervene into the ten connected panchayats. As an initiative Computer literacy training program was given to selected Kudumbashree members from the associated panchayaths. A well equipped computer lab is provided for this training. Those candidates who have passed 10th are included in this program. The main aim is to impart computer literacy to different grama panchayaths. The team members from MBITS had communicated with various Panchayats to gather valuable inputs before developing the initial framework of this programme. DEEN DAYAL UPADHYAYA GRAMEEN KAUSHALYA YOJANA. DDU-GKY is the skilling and placement initiative of the Ministry of Rural Development, Government of India. The scheme focuses on catering to the occupational aspirations of rural youth and enhancing their skills for wage employment. In this project our college offers course on Accounts using tally. SCHOLARSHIP FOR THE STUDENTS FROM RURAL AREA. Scholarships upto 90 percentage of the tuition fees to meritorious students from rural areas. In the year 2019-2020, 680 students were benefitted. Fund to to the tune of Rs. 1,66,43,150/- was expended from Mar Thoma Cheriya Pally exchequer. REINSTATING INFRASTRUCTURE DISRUPTED BY NATURAL CALAMITIES. Kerala experienced an abnormally high rainfall and flood from 1st June 2018 to 19th

August 2018. MBITS was part of Rebuild Kerala, State Government initiative aimed at rebuilding life in Kerala after the floods. MBITS team comprising 11 staff members from various streams and 27 students from M.Tech and B.Tech started the work of site investigation and field work for preparation of DPR on 6th January 2020. Team completed drawings after doing the field work including soil investigation and total station survey for preparing DPR for two roads.

Provide the weblink of the institution

https://www.mbits.edu.in/uploads/IOAC/files/Institutional_Distinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

- Thoroughly study the peer team report and plan to address the deficiencies pointed out in the report systematically and initiate actions.
- In the wake of the Covid-19 pandemic, create the best possible learning management system.
- Try to ensure the efficacies of the online teaching, learning and evaluation.
- Plan to improve the academic output of the students.
- Imparting placement training and career guidance using innovative methods to produce a greater number of campus placements.
- Explore all our possible ways to fight against the Covid-19 pandemic.
- Revamp the activities of all cells and clubs in the new 'normal'.
- Ensure quality sustenance in all practices practiced in the College.
- Promote co-curricular and extracurricular activities.
- Initiate NBA accreditation process for as many programmes as possible.
- Finetune the activities of existing Education 4.0 Implementation Committee (E4IC) as per the current contest of Covid-19 pandemic.
- Conduct as many number of webinars on frontier areas.
- Promote MOOC.
- Develop more e-content materials to help teaching - learning process.