Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**PROF RAM MEGHE INSTITUTE OF TECHNOLOGY AND RESEARCH**
Name of the head of the Institution	**Dr. Amol P. Bodkhe**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**07212681246**
Mobile no.	**9422917590**
Registered Email	**principal@mitra.ac.in**
Alternate Email	**iqac_prmitr@mitra.ac.in**
Address	**Anjangaon Bari Road, Badnera-Amravati 444 701 (M.S.)**
City/Town	**Amravati**
State/UT	**Maharashtra**
Pincode	**444701**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. C. N. Deshmukh**
Phone no/Alternate Phone no.	**07212681246**
Mobile no.	**9820004158**
Registered Email	**iqac_prmitr@mitra.ac.in**
Alternate Email	**cndeshmukh@mitra.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://mitra.ac.in/site/view-page/naac-aqar-ay2018-19_17

4. Whether Academic Calendar prepared during the year

Yes

if yes,whether it is uploaded in the institutional website: Weblink :	http://mitra.ac.in/uploads/main-media-pdf/Academic_Calender_2019-20(All).pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.25**	**2017**	**02-May-2017**	**01-May-2022**

6. Date of Establishment of IQAC

16-Jun-2016

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
NASSCOM Future Skills	**01-Jan-2020**	**550**

Program (Institute Level)	365		
Workshop on Introduction to Arduino	06-Jan-2020 3	160	
Workshop on Introduction to Robotics Programming: Spark V	06-Jan-2020 3	173	
Workshop on IOT	13-Sep-2019 6	178	
Workshop on Use of Mobile for Productive Purpose	24-Dec-2019 1	82	
STTP on Python for Iot and Introduction to 3D Printing Technology	17-Dec-2019 5	7	
Workshop on Restructuring of Syllabus as Per AICTE Model Curriculum of CSE and MCA	14-Mar-2020 1	107	
AICTE-ISTE approved Induction/Refresher Programme on	17-Dec-2019 5	1	
CSI Poster Presentation	21-Sep-2019 1	28	
AMCAT Exam For Third Year and Final Year Students	23-Jun-2019 1	402	
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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
Computer Science and Engineering	MODROBS	AICTE	2020 730	1584769
Civil Engineering	PRERNA	AICTE	2020 365	255000
Electronics and Telecommunication Engg	STTP	AICTE	2020 15	385000
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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?	**No**

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

2. Improvement in e_learning facilities and e_governance

3. Registration of students for NASSCOM future skills Program comprising of AI, Machine Learning, IoT, Cyber security etc.

4. Establishment of CISCO Net Academy

5. Organization and conduction of International Conference ICI 4.0

1. Improvement in Placement Activities

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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	Achivements/Outcomes
Advance Software Development Program for Civil Engg	**Two Workshop totaling one week have been conducted on STADD,ETABS,SAP MSP**
Jalyukta Shivar Abhiyan Program	**One program conducted**
Field Visit	**08 Field visits are part of curriculum and students are regularly taken for the visits.**
Technical Workshops Outcomes:	**1. Effective sharing of knowledge, practices and technologies in support of the implementation of the new tools available.2. Able to learn content beyond syllabus. 3. Understand new trends of technology and will be able to apply in their academics.4. Identify, analyze, and solve broadly defined engineering technology problems.5. Analyze, design, and implement hardware and software computer systems.**
Introduction to Arduino-Uno Workshop:-	**1. Apply the basics of electronics and**

	to interface the sensors and electronic components with Arduino on breadboard. 2. Program Arduino using Arduino IDE. 3. Analyze different parameters by interfacing sensors with Arduino. 4. Apply the logic to convert analog signal into digital signal. 5. Design the prototype of any circuits using Arduino.
Data science & machine learning in R Workshop	1. To understand the need of Data Science & Machine Learning 2. To define & explain R Programming language constructs 3. To analyze data by generating graph/plots. 4. To predict future data based on past data 5. To summarize different machine learning strategies.
Introduction to IOT using Raspberry Pi-3	1. Understand IoT principles, design and abstraction of developing IoT systems 2. Develop on a variety of open source devices and software services 3. Integrate a variety of IoT devices, sensors and services to build complex applications 4. Learn the basics of Raspberry Pi and compatible programming frameworks 5. Present and demonstrate the developed system
CSI Foundation Day Outcomes	1. Contribute to a productive/positive department environment. 2. Demonstrate personal characteristics that positively affect the workplace and organization. 3. a knowledge of the impact of engineering technology solutions in a societal and global context. 4. Demonstrate an understanding of the balance between academics and outside commitments. 5. To provide students with a platform where they could develop and brush their management and interpersonal skills.
CSI Activities Outcomes: (Quiz, Programming, coding contest)	1. Contribute to a productive/positive department environment. 2. Demonstrate personal characteristics that positively affect the workplace and organization. 3. a knowledge of the impact of engineering technology solutions in a societal and global context. 4. Demonstrate an understanding of the balance between academics and outside commitments. 5. To provide students with a platform where they could develop and brush their management and interpersonal skills.
To emphasize on student training &	Emphasized on in-plant training

	program. Students went through hands on training program in various industries so as to get actual exposure of industry which helps in better understanding of subject knowledge and industry work culture. Improvement in campus placement numbers from 119 (in 2018-19) to 131 (in 2019-20)
technical activities so as to increase placement chances.	

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14. Whether AQAR was placed before statutory body ?	**No**
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2020**
Date of Submission	**14-Mar-2020**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**The institute has a limited Management Information system in terms of ERP. The modules covered by ERP are Student attendance, Faculty Academic planning and execution, Fee Management, Employee salary management, office account management and student feedback.**

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

PRMIT&R is affiliated to SGBAU, Amravati and follows the curriculum recommended by Board of Studies and approved by the Academic Council of SGBAU Amravati. Every year in the beginning of the semester, the Academic Dean, in consultation with the Principal, referring to the SGBAU academic calendar, prepares an academic calendar enlisting the working days, internal assessment schedule, test schedule and dates of important events in the semester. The teaching faculty at PRMITR is a judicious blend of youth and experience. The Institute, through its faculty members, is actively involved in consultancy, interaction with government and other agencies; Faculty defines Course Outcomes, Assessment Tools, and Assessment Methods. Prepares Academic Teaching Plan to cover curriculum and content beyond syllabus. Teaching plan is prepared based on the

academic calendar. Faculty uses Interactive Lecture method using blackboard, Group discussions, Problem solving, Seminars. Most of the faculty makes use of ICT to support lectures. Periodic review of the progress of teaching activity is taken. Short fall if any is covered through extra classes. Remedial classes are conducted for academically weaker students. Also, these classes are open to all students. The Institute communicates with all the stake holders through various means like one to one interaction, parents meet, alumni meet, industry interaction, interaction with experts etc. Based on the feed-back remedial measures are adopted if required. The performance of all the teachers is assessed by the students through Student feedback mechanism. The result of student assessment is available to the concerned faculty members. The suggestion box is also available for the students. Role of Departments:- - Every department scrupulously follows this academic calendar. - The allotment of the subjects is done by HOD, in consultation with the faculty at the end of previous semester in the faculty meeting. - The faculty members prepare the teaching plan as per the SGBAU syllabus, referring to academic calendar. -The learning material is uploaded on the Moodle site. - The internal assessment tests are conducted as per the university norms. - Students are given an opportunity to see their answer books after valuation and seek clarifications, if any. - The test papers are evaluated within three days by the concerned faculty and the marks obtained are displayed on the student's notice board. There is a Departmental Academic Assessment Committee (DAAC) which monitors the academics and thus plays a major role in improving the teaching learning process. - The committee monitors each academic activity in the department and ensures that the same is taking place as per the schedule. - The academic progress of students, marks scored in the internal assessments tests as well as attendance is communicated to the parents. Further, the slow learners are identified. The slow learners are asked to attend remedial classes if necessary. - DAAC also assures maintenance of quality in academic activities.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Spoken Tutorial IIT Certificate (Linux)	Nil	01/07/2019	120	Employabil ity	Yes
Spoken Tutorial IIT Certificate (Python)	Nil	01/07/2019	120	Employabil ity	Yes
Spoken Tutorial IIT Certificate (Scilab)	Nil	01/07/2019	120	Employabil ity	Yes
Spoken Tutorial IIT Certificate (BOSS Linux)	Nil	01/01/2020	120	Employabil ity	Yes
Spoken Tutorial IIT Certificate (PHP and MySQL)	Nil	01/01/2020	120	Employabil ity	Yes

| Spoken Tutorial IIT Certificate (JAVA Business Application) | Nil | 01/01/2020 | 120 | Employability | Yes |
| IIT Bombay Spoken Tutorial Java, Php, MySql ,Python ,Aurdino | Nil | 01/07/2019 | 120 | Employability | Yes |

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	Nil	Nill

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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
Nill	BE (Civil Engg) First Year	31/08/2019
Nill	BE (CSE) First Year	31/08/2019
Nill	BE (Electronics & Telecommn. Engg) First Year	31/08/2019
Nill	BE (Info. Technology) First Year	31/08/2019
Nill	BE (Mechanical Engg.) First Year	31/08/2019

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

	Certificate	Diploma Course
Number of Students	745	0

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
Campus Recruitment Training For Second Year	06/01/2020	489
Campus Recruitment Training For Third Year	06/01/2020	648
Campus Recruitment Training For Final Year	17/06/2019	568
IITB Spoken Tutorials- Training on PHP MySQL	13/01/2020	42

IITB Spoken Tutorials- Training on Python	01/07/2019	42
IITB Spoken Tutorials- Training on R Language	01/07/2019	41
IITB Spoken Tutorials- Training on Joomla	01/07/2019	3
Future Skill Courses by NASSCOM	15/10/2019	373
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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	Civil Engg	352
BE	Computer Science & Engg	27
BE	Electronics & Telecom. Engg	78
BE	Information Technology	30
MBA	Business Administration	108
MCA	Computer Application	39
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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
Following surveys are used to obtain feedbacks from various stakeholders. 1. Alumni Survey 2. Senior Students Exit Survey 3. Semester end Student's Survey 4. Employer's/Institutes of Higher Education feedback survey 5. Parent feedback survey 1. Alumni Survey Report: - Procedure: The assessment process is periodically conducted every year based on the documents and survey form data collected online from the alumni. Alumni survey is conducted once in three to four years. Collected data is analyzed and tabulated for quantitative assessment at each Department. 2. Senior Exit Survey conducted by Department: - Procedure: All final year passing (Sem VIII) students are asked to undertake the Senior exit survey. Students are asked to rate their level of agreement on how they feel they met these outcomes. Collected data is analyzed and tabulated for quantitative assessment at each Department. 3. Semester End Student's Survey: - Procedure: All Students of each Department undertake an Online End of Course Survey for each course at the conclusion of the semester. The form contains questions that address faculty beliefs and concerns in areas related to general program outcomes and program specific outcomes related to the course. It also includes feedback of Faculty by students. 4. Parent Feedback

Report: - Procedure: The Parent Meets are organized by each Department twice in a year with the objective of discussing with parents regarding their ward's performance and trying to settle their queries inquiries. The motive is to discuss all measures to be taken for the overall growth and development of the students so that they are able to cope up with present day challenges. Parents actively participate in the event and offer valuable suggestions on academic/administrative concerns. 5. Teachers Feedback:- At least two meetings are organised by department in which faculty share their views regarding their experience throughout the semester. Along with this department takes suggestions to improve student's quality general administration of department. 6. Institute Level Student Feedback: - Dean (Academics) conducts the feedback process for all students of the Institute. The feedback is taken twice in each semester. Thus, faculty feedback from the students for the respective course is taken twice in a semester (End of Course Survey) on various teaching/learning aspects and it is analyzed by the HODs and corrective measures if any are informed to the respective faculties for further improvements. Feedback about the infrastructural facilities (Institute Level Student Feedback) like canteen, internet access, library access etc are taken from the students at the end of the each Semester for improving the facilities, if any. The feedback so obtained is analyzed for further improvement. Feedback from the parents is taken by interacting with them during Parent Teacher Meet. Feedback is taken from alumni for suggestions or improvements in the curriculum. Feedback from the final year students are taken for their suggestions in improving the curriculum Feedback from faculties are also taken for their suggestions in syllabus revision. Feedback is also collected from the companies. This feedback is discussed and submitted to Dean of Academics.

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
BE	CSE	180	0	180
BE	EXTC	180	0	89
BE	MECH	180	0	127
BE	CIVIL	180	168	136
ME	CAD/CAM	18	0	2
ME	THERMAL	18	0	2
ME	STRUCTURE	18	18	15
MCA	COMP APPLICATION	60	0	40
MBA	HR/MARKETING/ FINANCE	120	0	120
BE	IT	120	0	108

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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	Number of students enrolled in the institution	Number of fulltime teachers available in the	Number of fulltime teachers available in the	Number of teachers teaching both UG

	(UG)	(PG)	institution teaching only UG courses	institution teaching only PG courses	and PG courses
2019	3168	374	214	22	18

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	Numberof smart classrooms	E-resources and techniques used
254	254	5	36	0	9

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)

Yes, the Institute implements the Teacher-Guardian Scheme, which is very Innovative and Unique technique implemented in effective way. It helps to develop interactive atmosphere within the Departments. The teacher is in contact with the students of the class to which he/she teaches as well as students of the other class for whom he/she acts as teacher guardian. Significance and Need of the Scheme Under this scheme, the Database of the students is prepared which includes complete information about a particular student like the address, contact numbers, academic performance, participation in co-curricular and extra-curricular activities, details of fees paid or installments in fees, etc. Record is also maintained regarding the achievements of the students like prizes, awards, certificates for participation in technical events like project competition, paper presentation competition etc. Through this scheme, the student can contact his/her teacher guardian in any of the difficulties he/she is likely to come across like personal , monitory problems, health problem, homesickness, ragging problem etc. which may be personal or official . Record of the academic performance is also maintained like attendance of the students after three, six or nine weeks, term-work submission, attendance in and conduction of practical's, tutorials etc. Based on that the teacher guardian can contact the students allotted to him/her and accordingly communicate with the parents about the status of the student in advance so that the corrective measures can be taken to improve the performance. Counseling is also carried out from time to time to sort out students' problems. Hence the teacher guardian acts as the link between the Department, the student and the parents, so that the student has the idea that he/she is under constant observation of the teacher guardian, the class teacher and the HOD their complete performance is going to be communicated to their parents. Consequently the student's overall personality is developed under discipline and care at the same time. Scheme Formation Execution : 1. After formation of the Roll lists of the students admitted in the beginning of the academic session the groups, each of 15-20 students, consisting of Second, Third and Final year students, are formed and allocated to each faculty. 2. Student Data Base is prepared in the prescribed format including the information regarding contact numbers- personal and parents', address for correspondence, status of fees paid, result of every semester and Participation in Curricular, Co-curricular and extra – curricular activities. Photo copies of the documents are collected by the teacher guardian. 3. Meetings of Teacher guardians are conducted at least once in the semester. 4. Frequent counseling's are carried out to sort students' problems like Installments in payment of fees, permission for participation in sports, participation in Technical activities / Events, Cultural activities outside the Institute and absenteeism of the students. 5. For students who are directly admitted to Second year after completing diploma, extra classes are arranged to complete their syllabus and practical's. Similarly this scheme is also implemented in First Year Engineering Department.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3542	254	1:14

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

207	63	144	191	48

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. G. R. Bamnote	Professor	Computer Society of India Mumbai Chapter in CSI TechNext India – 2019, Annual Industry - Academia Conference and Awards, Best HOD of The Year Award
2019	Prof. Roshan R. Karwa	Assistant Professor	Received Best Paper Award in International Conference Industry 4.0 (ICI 4.0) Innovations in Engineering, Technology and Management,
2019	Dr. S R Gupta	Assistant Professor	Received Best Paper Award in International Conference Industry 4.0 (ICI 4.0) Innovations in Engineering, Technology and Management,
2020	Dr. S R Gupta	Assistant Professor	As a Student Branch Counsellor (SBC) of Computer Society of India (CSI) received the "Best Accredited Student Branch Award"
2019	Dr. G. R. Bamnote	Professor	Received Best Paper Award in International Conference Industry 4.0 (ICI 4.0) Innovations in Engineering, Technology and Management,
2019	Prof. Yogita S Alone	Assistant Professor	Received Best Paper Award in International

			Conference Industry 4.0 (ICI 4.0) Innovations in Engineering, Technology and Management,
2020	Dr. S. W. Mohod	Professor	Technical Organizing Committee Member : IEEE 2020 International Conference on Smart Grid and Clean Energy Technologies, ICSGCE 18-21May , Malaysia .
2019	Mrs M.D.Ingole	Professor	Member of BOS, S. G. B. A. U. , Amravati
2019	Dr N N Khalsa	Associate Professor	Member of BOS, S. G. B. A. U. , Amravati
2020	Dr. Abrar S. Alvi	Professor	Best Faculty of the Year, TechNext India 2019, CSI Mumbai Chapter
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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
BE	Civil/Mech/EX TC/CSE/IT	I	10/01/2020	30/01/2020
BE	Civil/Mech/EX TC/CSE/IT	II	25/06/2020	14/08/2020
BE	Civil Engg	III	12/12/2019	15/01/2020
BE	Civil Engg	IV	12/05/2020	20/08/2020
BE	Civil Engg	V	17/12/2019	15/01/2020
BE	Civil Engg	VI	12/05/2020	20/08/2020
BE	Civil Engg	VII	13/12/2019	16/01/2020
BE	CSE	III	11/12/2019	15/01/2020
BE	CSE	IV	28/05/2020	20/08/2020
BE	CSE	V	17/12/2019	15/01/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Continuous Internal Evaluation is done in department on outcome based evaluation system which includes two class tests as mentioned in academic calendar of the institution. The first class test covers first two units for assessment and the second class test covers the 3rd and 4th unit from the syllabus. All the question papers are set as according to the outcome-based evaluation which specifies the satisfaction level of course outcomes. For the evaluation of last two units online MCQ tests, quiz and Seminar are conducted in classroom and assessment is done according to student performance. The assignment given to the students differ from students to student and basically designed to improve thinking ability and systematic approach which helps students to enhance their logical and technical skills and use them for solving techno-social problem. As a part of evaluation the assignment has been given a weightage which will be included in internal assessment. However, as the SEE and CIE both focus only on the lower knowledge levels, we have introduced activities like Open Book Test, Seminar, Micro/ Mini Projects to assess the attainment of higher level outcomes. With the increasing use of Moodle learning Management System we have also introduced Multiple Choice Quizzes as part of CIE. This allows multiple attempts and therefore leads to better learning. Similarly, the final year project is divided in to three phases. First phase is based on Problem definition and Design, second phase is based on Problem implementation and Testing and the third phase is based on Project Demonstration and Report Submission. Thus, every student is examined and evaluated with the outcome-based approach which helps to identify the attainment level of each and every individual. It helps in identifying slow learning students, so that remedial classes and tutorials can be arranged by the departments.

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

Before the start of every academic session, Principal along with the Director and Vice- Principal conducts an IAC meeting with Heads of all the Departments and finalize the Academic Calendar in alignment with the university schedule. College academic calendar is designed considering all events in accordance with the University academic calendar. In all 15 weeks are planned which mainly include commencement date, closing date of the term, dates of internal tests I and II, college festivals, submissions, oral / practical exams etc. Schedule for internal exams and tentative dates for University theory and practical exams are displayed in academic calendar. Curricular and extra-curricular activity dates, exam schedules and other activity dates are displayed in the academic calendar. Dean Academics is in charge of academic monitoring cell. Academic monitoring cell is responsible for ensuring proper academic calendar and teaching learning process. It monitors all parameters right from attendance, (75 attendance is mandatory as per University rules), assignments, practical's / labs, internal tests. List of defaulter students is notified fortnightly and the parents are informed. Teachers are supposed to maintain course files of their subjects. All assignments are given in first two weeks, so that students can plan and complete the assignments in time. Parent teacher meeting date is also mentioned in the academic calendar. Faculty conducts lectures and practical's as per the timetable in alignment with the academic calendar. Exams and result declaration are strictly followed on the dates mentioned in the academic calendar. Each department has separate In-charge committee to implement the exam schedule given in the academic/activity calendar. Every faculty is asked to submit the question paper based on predecided topic, around ten days prior to the test. In internal exam committee then get these question paper printed and a common internal examination is conducted in the department. Test papers are evaluated by respective faculty in three days from the exam and the results are displayed / dictated in the class. Students are given an opportunity to go through their answer sheets and get the

queries solved. They are given a chance to appear for improvement test if required.

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://mitra.ac.in/uploads/main-media-pdf/co-po-19-20.pdf

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
NIL	ME	CSE (FT)	7	4	57.14
NIL	ME	CSE (PT)	19	14	73.68
NIL	ME	Structure	7	6	85.71
NIL	MCA	NIL	41	41	100
NIL	MBA	HR/Finance /Marketing	80	80	100
NIL	BE	Mech	217	217	100
NIL	BE	IT	124	124	100
NIL	BE	EXTC	165	165	100
NIL	BE	CSE	224	224	100
NIL	BE	Civil	196	196	100
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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)

http://mitra.ac.in/uploads/main-media-pdf/Student_Satisfaction_Survey.pdf

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)	730	AICTE	15.84	0
Industry sponsored Projects	240	DoxPro Robotics Pvt. Ltd.	0.16	0.16
Industry sponsored Projects	240	V. S. Informatics Pvt. Ltd.	0.15	0.15
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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
No Data Entered/Not Applicable !!!		

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
Innovation in Engineering Technology (2nd Position)	Mr. Ashish N. Bujarge	Sant Gadge Baba Amravati University, Amravati, 14th Intra-University Student Research Convention	15/01/2020	Innovation in Engineering Technology
Patent on Advance Maglev Train Suspension System	Sourav Pandurang Bhoyar	Intellectual Property, India	27/12/2019	Technical
RAPID MICROFINANCE LENDING PROCESS (No:4695/2020/Co/A)	Dr.N.M.Gawande	ROC-International	23/04/2020	Business Administration
Amravati Startup Business Plan Competition 2019-Senior innovator (Home Automation System)	Mr.Nishant Telange	Govt of Maharashatra state Innnovation Council,Regional coordinating Institute-Unnat Bharat Abhiyan,SGB Amravati university Development of innovation,Incubation and Enterpreneurship centre, Director of Technical Education Maharashatra state Mumbai	05/09/2019	Students Startup
Amravati Startup Business Plan Competition 2019-Senior innovator (Home Automation	Miss Naina Israni	Govt of Maharashatra state Innnovation Council,Regional coordinating Institute-Unnat	05/09/2019	Students Startup

		Bharat Abhiyan,SGB Amravati university Development of innovation,Incubation and Enterpreneurship centre, Director of Technical Education Maharashatra state Mumbai			
Amravati Startup Business Plan Competition 2019-Senior innovator (Home Automation System)	Miss Gayatri Pardhi	Govt of Maharashatra state Innnovation Council,Regional coordinating Institute-Unnat Bharat Abhiyan,SGB Amravati university Development of innovation,Incubation and Enterpreneurship centre, Director of Technical Education Maharashatra state Mumbai	05/09/2019	Students Startup
Amravati Startup Business Plan Competition 2019-Senior innovator (Home Automation System)	Mr.Akshay Chincholkar	Govt of Maharashatra state Innnovation Council,Regional coordinating Institute-Unnat Bharat Abhiyan,SGB Amravati university Development of innovation,Incubation and Enterpreneurship centre, Director of Technical Education Maharashatra state Mumbai	05/09/2019	Students Startup
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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
0	Nil	Nil	Nil	Nil	Nill

No file uploaded.

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	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
Civil engineering	1
Computer Science Engineering	1
Electronics Telecommunication Engg.	1
Mechanical Engineering	2
PG Dept of Business Administration	1
PG Dept of Computer Application	1

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)
National	Civil Engineering	4	4.76
International	Civil Engineering	24	7.13
International	Computer Science and Engineering	45	5.83
International	Electonics Telecommunication Engg.	47	3.45
International	Information Technology	24	4.5
International	Mechanical engineering	112	5.28
National	First Year Engineering	1	0
International	First Year Engineering	14	4.67
International	PG Dept. of Computer Application	2	6.24

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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	17

Computer Science and Engi	35
Electonics Telecommunication Engg.	33
First Year Engineering	2
PG Dept. of Computer Application	2
Mechanical Engineering	113
Information Technology	10

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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
"Analysis and Design of RC Unsymmetrical Multistorey Building Having Soft Storey"	Dr. P. S. Pajgade	International Engineering Journal for Research Development Vol 4. E-ISSN No : 2349-0721	2019	0	Head and Professor, Civil Engineering Department,P RMITR, Bandera	0
A Review Paper on Torsional Behavior Of A symmetrical Buildings	Dr. P. S. Pajgade	International Engineering Journal for Research Development Vol 4. E-ISSN No : 2349-0721	2019	0	Head and Professor, Civil Engineering Department,P RMITR, Bandera	0
Torsional Behavior of Multistory Buildings with Different Structural Irregularities	Dr. P. S. Pajgade	TEST Engineering Management January-Februry 2020 ISSN: 0193-4120 Page No.83 95-8401	2019	0	Head and Professor, Civil Engineering Department,P RMITR, Bandera	0
Performance of lead-rubber base isolated building structure in high	Dr. P. S. Pajgade	TEST Engineering Management January-Februry 2020 ISSN: 0193-4120 Page No.83	2019	0	Head and Professor, Civil Engineering Department,P RMITR, Bandera	0

seismic prone region		71-8383				
"Need of smart transportation for transforming Indian Cities" (2019)	Dr. N. W. Ingole	Journal of Transportation Engineering and its Applications ,(Mantech Publications) vol. 4, no 1, January-March 2018, page 1-13.	2019	0	Professor andDean (Research and Consultancy) Civil Engineering Department,P RMITR, Badnera	0
Advances in air pollution, its monitoring and remedial measures-a review	Dr. N. W. Ingole	International Engineering Journal for Research and Development Vol 4 Issue 4 E-ISSN No. – 2349-0721	2019	0	Professor andDean (Research and Consultancy) Civil Engineering Department,P RMITR, Badnera	0
Methods for Nitrate removal from ground water	Dr. N. W. Ingole	International Engineering Journal for Research and Development Vol 4 Issue 4 E-ISSN No. – 2349-0721	2019	0	Professor andDean (Research and Consultancy) Civil Engineering Department,P RMITR, Badnera	0
Conservation of wastage of Potable water	Dr. N. W. Ingole	Indian Water Works Association Vol. 1 July-September 2019 ISSN 0970-275X, pg. – 221-223	2019	0	Professor andDean (Research and Consultancy) Civil Engineering Department,P RMITR, Badnera	0
Effect of Saw Dust Ash Lime on	Prof. R. Y. kale	International Research Journal of	2019	0	Assistant Professor, Civil Engi	0

Expansive Soil (Black Cotton Soil)		Engineering and Technology			neering Department, PRMITR, Badnera	
Effect of Foundry Waste on Expansive Soil (Black Cotton Soil)	Prof. R. Y. kale	International Journal for Scientific Research and Development	2020	0	Assistant Professor, Civil Engineering Department, PRMITR, Badnera	0

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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
Cost and schedule overrun in construction projects	Prof. P.V.Kolhe	International Engineering Journal For Research Development 4 (4), 6-6	2019	2	6	CIvil Engineering Department, PRMITR, Badnera
Effect of Tyre Shreds and LDPE waste on Behaviour of Black Cotton Soil	Prof. Rushikesh Langote	IOSR Journal of Engineering 10 (1), 01-09	2020	1	3	CIvil Engineering Department, PRMITR, Badnera
"Whale-Crow Optimization Based Regression Model for Software Cost Estimation"	Dr. G. R. Bamnote, Dr. Ms. S. W. Ahmed	Journal of Indian Academy of Sciences SADHANA Springer India.	2019	0	0	Computer Science Engineering Department, PRMITR, Badnera
Data Mining Techniques for Prediction of Diabetes Disease	Dr. G. R. Bamnote	International Journal of Computer Trends and Technology (IJCTT)	2019	0	0	Computer Science Engineering Department, PRMITR, Badnera
Survey	Dr. V.	Internat	2019	0	0	Computer

of recent trends in Blockchain Technology	M. Deshmukh	ional Engineering Journal For Research Development				Science Engineering Department, PRMITR, Badnera
Analysis and design of rc unsymmetrical multistorey building having soft storey	Dr. P. S. Pajgade	International Engineering Journal For Research Development 4 (4), 9-9	2019	9	319	CIvil Engineering Department, PRMITR, Badnera
A review paper on torsional behavior of asymmetrical buildings	Dr. P. S. Pajgade	International Engineering Journal for Research Development 4 (4), 5-5	2019	9	0	CIvil Engineering Department, PRMITR, Badnera
Advances in air pollution, its monitoring remedial measures-a review	Dr. N. W. Ingole	International Engineering Journal For Research Development 4 (4), 10-10	2019	10	355	CIvil Engineering Department, PRMITR, Badnera
Methods for nitrate removal from ground water	Dr. N. W. Ingole	International Engineering Journal For Research Development 4 (4), 7-7	2019	10	0	CIvil Engineering Department, PRMITR, Badnera
Seismic Control of Skewed Highway Bridge Using Seismic Control System	Dr.N.P Kataria	International Engineering Journal For Research Development 4 (4), 7-7	2019	2	22	CIvil Engineering Department, PRMITR, Badnera
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	7	233	44	36

Presented papers	72	18	0	0
Resource persons	0	2	0	12
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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
NSS Orientation Program	NSS Unit PRMITR, Badnera	10	179
Program on Healthy Diet	NSS Unit PRMITR, Badnera	10	179
Stress Management for Students	NSS Unit PRMITR, Badnera	10	179
Free Eye Check up Camp	NSS Unit PRMITR, Badnera	10	179
Mega Blood Donation Camp	NSS Unit PRMITR, Badnera	10	179
Blood Donation Camp	NSS Unit PRMITR, Badnera	10	179
NSS Special Residential Camp at Uttamsara	NSS Unit PRMITR, Badnera	10	179
Used Drawing Sheet Distribution program at Dr. Narendra Bhivapurkar Andha Mahavidyalay.	NSS Unit PRMITR, Badnera	10	179
Covid – 19 Awareness Program (Online Quiz)	NSS Unit PRMITR, Badnera	10	179
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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
Nil	Nil	Nil	0
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/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites

Voter Awareness	NSS Unit	Voter Awareness Camp	2	13
International Yoga day	NSS Unit	Yoga day Celebration	5	50
Tree plantation	nature Club IT	Nature Club IT	4	40
Swachh Bharat	NSS Unit	Swacchaa Bharat Summer internship	2	30
Unnat Bharat	NSS Unit	Unnat Bharat	2	13
Health Awareness	NSS Unit	Dental Check up Health Awareness Camp	2	13
C3N Connect, Contribute, Conserve Nature	YNCO - youth for nature conservation organization	Work for Nature conservation, wildlife study	1	1
Organ Donation Awareness	Indian Medical Association	MARATHON For Organ Donation Awareness	1	1
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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
Nil	Nil	Nil	0
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 institution/ industry /research lab with contact details	Duration From	Duration To	Participant
MOU	Promotion on interaction between Industry and Institute via Providing technical support in research projects	Construction Quality Control Constrochem (CQCC)	28/12/2012	31/12/2021	42
MOU	Collaboration in technology	Umap Builders Developers	10/01/2018	31/12/2021	35

	and skills required to create a center of excellence				
MOU	Interaction and assistance in on field/live problem assessment, layout plotting, planning, technical support in terms of expert lectures and software guidance.	Balaji Structural Consultancy, Amravati	05/07/2019	31/12/2021	40
MOU	Regarding availing the facility of technical visits to RMC plant for understanding the process of concrete mix design, Mix design creation, lab facility	M/S Anmol Ready mix concrete plant, Amravati	09/07/2018	31/12/2021	180
Internship	Association in Internship, training, workshops and Industrial Visit	V. S. Informatics Pvt. Ltd., Nagpur	06/11/2017	06/11/2020	20
Internship	Workshops on Embedded Systems and Industrial Automation	Prolific Systems Technologies Pvt. Ltd., Nagpur	04/10/2017	04/10/2020	70
On-the-job training	Training Placement Support	ISTC Pvt. Ltd., Pune	20/03/2017	20/03/2020	90
MOU	Internship	Ibase Electrosoft	26/06/2019	25/06/2021	5

| MOU | Internship | Obdurate Technologies PVT. LTD.Amravati | 26/06/2019 | 25/06/2021 | 5 |
| MOU | Internship | Ctronics Info Tech Pvt.Ltd Amravati | 26/06/2019 | 25/06/2021 | 1 |

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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
V. S. Informatics Pvt. Ltd., Nagpur	06/11/2017	Technical Training	45
The Executive Engineer, Irrigation Projects, Amravati	30/06/2012	The Institutes renders soil sample testing services for the proposed Bor river project at 0.5 km east of village Angoda in Amravati	10
PMGSY	28/06/2012	Technical support in the form of lab facilities and visit to onsite construction practices	30
Construction Quality Control Constrochem (CQCC)	28/12/2012	Promotion on interaction between Industry and Institute via providing technical support in research projects	40
Umap Builders Developers	10/01/2018	Collaboration in technology and skills required to create a center of excellence.	30
Balaji Structural Consultancy, Amravati	05/07/2019	Interaction and assistance in on field/live problem assessment, layout plotting, planning, technical support in terms of expert lectures and software guidance.	40

M/S. Rachna Constructions , Amravati	01/08/2019	Collaboration in technical visits for students, material testing, structural design/audit, mix design, placement drives	0
M/S Anmol Ready mix concrete plant, Amravati	09/07/2018	Regarding availing the facility of technical visits to RMC plant for understanding the process of concrete mix design, Mix design creation, lab facilities	180
M/S R.S. Structural Consultants, Amravati	05/07/2018	Collaboration in structural design/detailing/ software training, Concrete mix design, Third party consultancy.	54
CADD Center	01/08/2019	Collaboration and incorporation in training of various civil/structure oriented software's via FDP/STTP/ students training and exposure to new software.	50

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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
57.5	41.52

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
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased	Newly Added

	during the year (rs. in lakhs)	
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added	
Classrooms with Wi-Fi OR LAN	Existing	
Others	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 patially)	Version	Year of automation
LIBSYS-4	Fully	4 (Rel.5.7.2)	1995

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	77236	18826837	772	381892	78008	19208729
Reference Books	2048	2091279	0	0	2048	2091279
e-Books	6993	213794	59	264138	7052	477932
Journals	2861	2444203	133	164710	2994	2608913
e-Journals	42532	13203613	1424	617831	43956	13821444
Digital Database	11507	211140	59	250568	11566	461708
CD & Video	14016	50000	0	0	14016	50000
Library Automation	1	188720	0	0	1	188720
Weeding (hard & soft)	11431	954143	523	76972	11954	1031115
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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
Dr. G R Bamnote (CSE)	Network Security (Sem-8)	MS Power Point, MS Word, Acrobat PDF, Moodle	30/12/2019
Dr. M. A. Pund (CSE)	Artificial Intelligence (Sem-8)	MS Power Point, MS Word, Acrobat PDF, Moodle	30/12/2019
Dr. V. M.	Operating Systems	MS Power Point,	30/12/2019

Deshmukh (CSE)	(Sem-6)	MS Word, Acrobat PDF, Moodle	
Dr. S. R. Gupta (CSE)	Embedded System (Sem-8)	MS Power Point, MS Word, Acrobat PDF, Moodle	30/12/2019
Prof. S. P. Akarte (CSE)	Computer Resource Management (Sem-4)	MS Power Point, MS Word, Acrobat PDF, Moodle	30/12/2019
Prof. G. J. Sawale (CSE)	Assembly Language Programming (Sem-4)	MS Power Point, MS Word, Acrobat PDF, Moodle	30/12/2021
Prof. A. A. Chaudhari(CSE)	Discrete Structure (Sem-4)	MS Power Point, MS Word, Acrobat PDF, Moodle	30/12/2019
Prof. A. U. Chaudhari (CSE)	Embedded System (Sem-8)	MS Power Point, MS Word, Acrobat PDF, Moodle	30/12/2019
Prof. S. S. Dandge	Theory of Computation (Sem-4)	MS Power Point, MS Word, Acrobat PDF, Moodle	30/12/2019
Prof. S. M. Ahmad	Software Engineering (Sem-8)	MS Power Point, MS Word, Acrobat PDF, Moodle	30/12/2019
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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	825	640	800	35	35	25	80	190	0
Added	15	15	0	0	0	0	0	0	0
Total	840	655	800	35	35	25	80	190	0

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

190 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
Nil	Nill

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 incurredon maintenance of physical facilites

339	325.44	146.5	125.66

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 Institute has a well established policies and procedures to create the infrastructure at par with the standards and norms of AICTE and SGBAU with respect to the human resources, laboratory equipment, built-up area, learning resources and other teaching learning aids. The required demands are satisfied whenever the variation in existing intake or new courses were introduced. The infrastructure required is planned by various departments and annual budget is prepared. After getting the approval from the Chairman, the necessary actions are initiated. The policy comprehensively includes but not limited to: • To plan for class rooms as per the requirements. • To establish laboratory as per the syllabus. • To have seminar halls board rooms. • To provide amenities like canteen, transport, playgrounds etc. • To establish class rooms and laboratories for newly sanctioned departments/ increase in intake • To purchase books in central and departmental library to meet the requirements. The institute also has a separate maintenance wing to look after the physical infrastructure and other essential services like water, fire equipment, garden, drainage, sanitation, etc. As far as the equipment maintenance is concerned each department has in-charge faculty to look after the repairs, calibration, and configuration. In case of major repairs of academic support facilities the concerned agencies are contacted and quotations are invited. In most of the cases the repairs are done within the campus only else the equipments are transported to the repair facilities of the concerned agency. System Manager shall look after all the Computing facilities within the campus. He along with his team will carry out minor repairs as and when required. He/She shall forward demands for purchase of computing ancillary to the Principal. He/ She will be responsible for any replacement/ replenishment required in the maintenance of computing facilities. Similarly he/ she will ensure proper installation of softwares, hardwares etc. in respect of all the departments. He/ She will also look after the Internet services required by various departments. System Manager will maintain the all the LANs, Servers, Networking equipments, Firewalls etc. for smooth functioning of the computing facilities. The Library has developed a procedure to maintain and preserve books. Pest Control operations are carried out regularly. Books which are torn/ damaged are re-binded at the campus with the help of external agency. The Institute strives for optimal utilization of all existing facilities. As a matter of policy each department displays utilization chart in Laboratories. Drinking water is utilized in appropriate manner. Similarly waste water is treated and reutilized for gardening purposes. The institute also employs services of external agency for daily cleaning of classrooms, labs, toilets, surrounding area etc.

http://mitra.ac.in/uploads/main-media-pdf/PRMITR_Policy_for_Purchase_Maintenance.pdf

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	VYWS TFWS Scholarship/ VYWS (Staff) students Scholarship	304	5856422
Financial Support from Other Sources			

a) National	Leela Poonawala Foundation Scholarship for Girl Students	2846	224772571
b)International	Nil	0	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 implemetation	Number of students enrolled	Agencies involved
Motivational - Leadership Workshop (Second Year Students)	23/08/2019	207	Subodh Deshmukh
Technical Selfie and Techno-Social Poster Competition	28/02/2020	80	Dept. Of EXTC and IEI Student Chapter
Guest Lecture on Modern Trends in IT	15/07/2019	86	Abhay Khadse, Capgemini
Two Week Training on Aptitude skill	15/07/2019	83	Mr. Manish Bhayani, Mahavir Classes
SofSkill Training	15/07/2019	83	Ms. Varadlakshmi Heda
One day Workshop on Rational Rose	27/07/2019	41	Prof. Rahul Papalkar, Department of Information Technology,PRMITR Badnera
Guest Lecturer on Cyber security	25/11/2019	41	Mr. Anand Dandge , Cyber Security Cell , Amravati
Online Guidance on Resume Building for students	12/06/2019	41	Mr.Abhay Khadse
Online Guidance on Job Searching and Interview tricks for students	11/06/2019	41	Mr.Abhay Khadse
Online Quiz to Test C Skill	07/05/2020	41	P. G. Department of Computer Application

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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	Number of benefited students by career	Number of students who have passedin the comp. exam	Number of studentsp placed

		examination	counseling activities		
2019	Campus Recruitment Training -II	756	556	395	395
2019	Expert/ Guest Lecture	240	150	10	7
2019	Carrier Counselling in INDUSTRIAL AUTOMATION	0	58	0	0
2019	Higher Education outside India (GRE-GMAT)	129	0	0	0
2019	GATE Awareness	50	0	3	0
2019	Opportunit ies for Abroad Education and Preparations	40	0	2	0
2019	Aptitude Training and Soft Skills training	0	13	0	13

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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
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
32	3955	595	22	60	27

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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	Depratment graduated from	Name of institution joined	Name of programme admitted to

2020	16	BE(Civil)	Civil Engineering	As per uploaded file	As per uploaded file
2020	3	BE(CSE)	Computer Science and Engg	PRMIT&R Badnera	ME (CSE)
2020	1	BE (CSE)	Computer Science and Engg	Govt College of Engg. Amrtavati	MTech
2020	6	BE(Mech)	Mechanical Engineering	As per uploaded file	As per uploaded file
2020	1	BE(IT)	Information Technology	Sunny Buffalo Newyork	MS
2020	1	BE(IT)	Information Technology	SGBAU Amravati	MTech
2020	1	BE (EXTC)	Electronics and Telecommunication Engg.	Tulsiram Gaikwad Copllege of Engg. Nagpur	ME (E&C)

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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	16
GRE	1
TOFEL	2
Any Other	8

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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
Sports	All India Inter University	4
Sports	Inter University	7
Sports	Inter Collegiate	385
Youth Festival (Cultural)	All India Inter Collegiate	1
Youth Festival (Cultural)	Inter Collegiate	38

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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	All India Inter University (Colour Coat)	National	1	Nill	19010082 293	Parth Raut
2020	All India Inter University (Colour Coat)	National	1	Nill	19020111 760	Shon Milind Thakare
2020	National Boxing Cha mpionship	National	1	Nill	18010051 504	Kaustubh S. Tayde
2019	All India Inter University (Colour Coat)	National	1	Nill	17010141 294	Sramika Sakhare
2019	All India Inter University (Colour Coat)	National	1	Nill	16010081 263	Ashwini Chafale
2020	All India Youth festival (Western Group Song)	National	Nill	1	18010012 228	Vaishnavi Thakur
2020	All India Youth festival (Indian Group Song)	National	Nill	1	18010012 228	Vaishnavi Thakur
			[View File](#)			

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

The Student Council members and members of all other committees are involved in all institute activities. Members of the committees are selected through Student Council Elections. College Development Council: The President of the student council is a member of College Development Council (CDC) and attends to all the business of CDC. He is responsible for raising all students concerns

during CDC meetings. Sports committee- The Sports Committee headed by the physical education director of the institute organizes Annual Sports Meet. Representatives from Student Council and senior classes are actively involved in the committee. They are responsible for planning and execution of all the indoor and outdoor competitions. Student committee identifies students good at sports and train them for inter institute competitions. Cultural committee-The Cultural activities of the institute are planned by the Cultural committee every year. This involves interclass cultural competitions as well as cultural programs conducted during various institute celebrations like Republic Day, Independence Day, Music Club, Annual social gathering "Aashayein" etc. The Cultural committee members include faculty members as well as student council members. The committee identifies students good at cultural programs and trains them for institute activities as well as inter institute cultural fests. Inter institute and intra institute cultural activities/ competitions involve student representatives and class representative. Institute fests and celebrations-Committees are formed for all celebrations of the institute which involves in charge faculty members and one or two student representatives. National festivals include NSS students and Student Council members. Student Council members and other student representatives are also members of following committees of the institute. 1. Anti- Ragging Cell 2. Women's ICC 3. Music Club 4. Youth Festival at University Level 5. Discipline Committee

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

PRMITR Alumni Association established in the year 2004 has over many members settled in various parts of India and abroad. PRMITR Alumni is a Network of Alumni to connect, collaborate and promote quality Education, Entrepreneurship and Employment. It is a registered body (Reg. No. Amravati /277/2018) PRMITR Alumni Association is serving as the forum to promote and foster the good relationship between alumni, present students, management and teaching faculty, to keep alumni informed, and create a network enabling them to remain engaged with their alma mater and help shape its future through the Association's programmes and services. Alumni association helps in promoting a sustained sense of belonging to the alma mater amongst Alumni, by being in regular contact with them. It also provides a platform to communicate with alumni and students in respect of achievements of an alumni and also success of the Institute. This provides a forum to interact with each other and promotes academic, Research and Development activities, organize lectures by distinguished alumni and other professionals, Seminars, and Workshops and thus introduce the students to the state of art technologies in each discipline of engineering. It also helps to develop mutual cooperation in various sectors like training and placement, Industry Institute Interaction etc. Attempts are made to identify Area Coordinators in different zones of our country and abroad so that they can work more effectively to coordinate and interact with alumni. Thus the overall Objectives of the association are as follows: 1.The association wants to set up a healthy tradition of identifying a distinguished alumnus and invites him or her for a special function every year where he/she is honored and felicitated. 2.To promote interaction amongst the Alumni members and improve engagement between the Alumni and the Institute 3.To arrange to get together of the alumni and social /cultural functions of the alumni. 4.To encourage, promote and facilitate education and research and other activities of the Institute. 5.To assist the college to promote training and placement activity. 6.To raise various funds and awards stipends out of it to the deserving students on a need-cum-merit basis. 7.To seek donations from the alumni and potential donors for promoting various righteous activities of the association Apart from this the Institute has its own Institute Alumni Council

(Unregistered) established in April 2018 and has around 3300 members.

5.4.2 – No. of enrolled Alumni:

982

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Reunion of 1989 Batch at Nagpur in Jan 2020 Reunion of 1989 Batch at Prayagraj in Feb 2020

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)

I. Jalyukta Shivar Abhiyan (JSA) Jalyukta Shivar Abhiyan (JSA) is a flagship program of Government of Maharashtra launched in the year 2014 to provide long-term and sustainable solutions to the water scarcity problem faced by rural communities. Prof. Ram Meghe Institute of Technology and Research (PRMITR), a leading technological institution from central India has been empanelled by Government of Maharashtra as 'Unnat Maharashtra Abhyan participating institute' vide GR dated 5th July 2017. It is a policy of Government of Maharashtra to seek involvement of technical institutes, the faculty and the students of this institute in development process of the state. As per the policy decision taken by the Government of Maharashtra, the works executed under Jalyukt Shiwar Abhiyan were to be assessed through some reputed third party agency. A work order 8094/2018 dated 24/10/2018 has been issued to the Institute by Amravati district administration. Also a tripartite agreement mentioning modalities and responsibilities has been signed between Amravati District Administration, PRMITR and IIT Bombay (CITARA). In Amravati district, 505 villages were selected for JSA program. At our institute the Principal has deputed this responsibility to Dr. N W Kale as part of decentralization. Dr N W kale was the chief coordinator for the assessment of work under Jalyukt Shiwar Abhiyan. Dr N W Kale along with Dr. P S Pachgade, Head, Department of Civil Engineering had meticulously planned for smooth execution of assessment work. The work was carried out in academic year 2019-20 and has seen active participation of 20 faculty members and 12 students. One of the students was also recognised by IIT, Bombay for her work during this assessment drive. The assessment was carried out within the prescribed time limit. Time to time reports was submitted to IIT, Bombay through the Principal to indicate the progress made. II. NASSCOM Future Skills Program NASSCOM future skill program was a boon to all the students and faculty to enhance their skill set in latest technologies. The VYWS society had signed MoU with NASSCOM for providing Future skills to faculty and students of all institutes under its umbrella and has appointed a centralized coordinator to manage all the activities related to this platform.. The on boarding for this program started institute started in Oct 2019 and was completed by Jan 2021. Each institute appointed a coordinator for this program and was the key person through whom all communication took place. The Institute appointed departmental coordinators so as that the onboarding process could be carried out smoothly. Also all the class teachers were involved to ensure that the students undertake various skill development program under the ambit of NAASCOM future skills. They were also responsible for monitoring the progress of students. NASSCOM shred the progress on regular basis and was conveyed to respective institutional coordinators who in turn would forward the same to departmental coordinators and class teachers.

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

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	**Institutional provision for awarding scholarship / free-ship to meritorious students. Institutional provision for awarding concession in tuition fees for economical weaker students Book bank scheme for most of the students Medical facilities are provided which includes dispensary and ambulance. Provision of transportation facilities Reporting of academic progress to parents/ guardian from time to time. Conduction of various programs to enhance the abilities of the students in terms of personality, technical knowledge, sports and culture. Empowering women and encouraging gender equality. Award of scholarship to wards of non-teaching employees. Remittance of tuition fees and other fees by students can be done through digital payments**
Industry Interaction / Collaboration	**Industry Institute Interaction is promoted using various activities like industrial/site visit by students, expert lectures by practicing field engineers, offering testing and consultancy services for different ongoing works in the field, signing MOUs, etc. Institute is actively participating in Unnat Maharshtra Abhiyan. Institute has undertaken third party assessment of works done in JalyuktaShivar Abhiyan in 500 different villages. The institute has done Geotechnical Investigation for police housing structures in many districts of Maharashtra.The institute strongly pursues linkage with industry and professional organizations. Department also striving hard to have collaboration and linkages with Industries, in this process MoU are done with local as well as well-known industries. Through this MoU students are motivated to purse internship, sponsored as well as collaborative projects with the industries.**
Human Resource Management	**• Organizing training workshops for faculties as well as non-teaching staff for career improvement at Institute**

	level. • Sponsoring faculties for attending seminar/ workshops/ STTP/ FDP/ Conferences/ Technology summit and for Foreign collaboration • Medical facility and medical insurance is provided. • Scholarship for wards of non teaching employees admitted to the Institute • Recruitment of teaching faculty to maintain teacher-student ratio • Encouraging faculty for undertaking higher education like PhD etc. Also faculty are advised to upgrade their knowledge/ skills through SWAYAM, NPTEL, MOOC, Webinars, STTP/FDP etc. • Faculty Empowerment Policy, where all the possible care has been taken for employees, such as their professional development, promotions, increments, awards, welfare and health care. • Organizing training workshops for faculties as well as non-teaching staff for career improvement at Institute level. • Sponsoring faculties for attending seminar/ workshops/ STTP/ FDP/ Conferences/ Technology summit and for Foreign collaboration • Sponsoring faculty for specialized training
Library, ICT and Physical Infrastructure / Instrumentation	The institute library is the central hub of the college, well-equipped to support and facilitate teaching, learning and research programmes of the Institute. It is also well stocked with the latest books, e-books , National and International journals. All subjects related to the Universitys academic and research programmes have been included in the collection. The library is also providing online teaching learning facility such as NPTEL, DELNET and ELSEVIER. • Online course material is made available through MOODLE. • Online examinations for aptitude development and spoken tutorial for technical skill development. • NPTEL (National Programme on Technology Enhanced Learning) is a joint initiative of the IITs and IISc. Through this initiative, we offer online courses and certification in various topics to our students. • Collaborative arrangement with Institutes of National importance like IIT Powai, IIT Kharagpur etc. for conducting online workshops/FDPs. • Identifying funding agencies and submitting proposals for modernization and removal of obsolescence. • All class rooms and computer labs equipped

		with LCD projectors, WiFi • Use of Virtual Laboratories as recommended by AICTE • Sufficient physical Infrastructure is available to conduct courses related to all programs • Well equipped laboratories with sufficient number of equipment/ experimental kits/ computers etc. available for conducting experiments and are upgraded as per requirement from time to time •
	Research and Development	• Organization of Tech-Fest Spread awareness about the research amongst academicians students, • Sponsored Projects to address the local and societal issues • Identify thrust areas of research and apply for research grants to various agencies like AICTE, SERB, and DST etc. • Participation in Avishkar and Innovation competition Participation in Incubation and Start up workshops • Financial assistance to students projects from SGBAU Incubation Centre • Quality enhancement of UG PG projects to satisfy local requirements as well as social requirements • Encouraging students and faculties to file patents through Institute's IPR Cell Encouraging students to Publish papers, participate in conferences Institute level funding • The Institute has more than 25 research guides and 52 doctorate faculty. Laboratories of all the engineering departments are recognized as 'Research Laboratories' by SGBAU. The Institute has a separate Research Promotion Cell and IPR Cell. The Institute has received some grants from SERB under Core Grant (EMR), ECRA, MATRICS and AICTE under RPS and MODROBS schemes for the research and development purpose. • The Institute has formulated a consultancy policy and made available to all faculty members.
	Teaching and Learning	• Online E-learning Moodle platform for the students and faculty which provides various interactive services for the academic progress monitoring of the students • Student guardian system to encourage participation in personality building activities • Student feedback for improving the teaching learning process. • Self learning platform like SWAYAM / MOOC courses • Activities of student chapters • Lectures by experts from industry, distinguished academicians and alumni • Remedial classes for

	weaker students. • The contents beyond syllabus are catered with NPTEL video tutorials. • Seminars by students on current trends • Organization of FDP/ Workshops for the faculty members. • Established CISCO Network Academy in Jan 2020. •Conducted Future Skills Program by NASSCOM for student in areas of AI, Machine Learning, Cyber Security, IoT, Big Data etc. • Self learning platform like SWAYAM where students can learn from video lectures by prominent professors from IIT's and IISC. • Scope for self-learning through various activities of professional student chapters (IE(I), ISTE, IETE), offering interdisciplinary elective subjects, Industrial visits, participation in technical expositions organized by industrial forums. • Expert lectures by industry personnel, distinguished academicians and alumni of the institute, mini project at pre-final year, Student seminar, Technical workshops etc. are some of the strategies adopted to improve teaching learning process • The contents beyond syllabus are catered with NPTEL video tutorials. Students are exposed to industries through programs such as, TCS Code – vita KPIT Sparkle, MCAT etc.
Curriculum Development	The Institute takes a leading role in curriculum revision by organizing workshops for syllabus restructuring for various disciplines. This has provided opportunity to every teacher from various technical institutes to contribute in the process of curriculum development. In the academic year 2019-20 a revised curriculum as per AICTE model curriculum was adopted and was implemented for First year engineering. This process will continue for second, third and final year from AY 2020-21, AY2021-22 and AY2022-23 respectively. The Institute has strong representation in SGB Amravati University Board of Studies, where institute is affiliated and plays vital role in curriculum development through its faculty representation in Universities bodies like BoS etc. Feedback from stakeholders is taken into consideration for Identification of curriculum gaps and for adding new technologies in curriculum. Professional Electives and Open Electives as suggested by industry has

	also been incorporated in revised syllabi. Similarly SGBAU has allowed credits for courses on SWAYAM and MOOC platform.
Examination and Evaluation	• Moodle based online Quizzes • Indirect assessment through activities like Site Visits, Expert Lectures, Seminars etc. • Students are given an opportunity to examine answer books of Internal Examinations after the evaluation. • Progress reports of students with poor performance are conveyed to parents • University circulars related to student's for exams are displayed on the notice boards.• Transparency in Grading as per QBE• Phase wise evaluation of final year project work for internal assessment • Gradual implementation of Open Book Tests • Outcome based assessment of final year project work by external examiner • Continuous outcome based internal assessment through Unit test and Remedial test, Assignments, Seminars/ Presentations • Online submission and grading of Assignments through MOODLE platform.

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

E-governace area	Details
Student Admission and Support	• All entry level student admissions are through the portal of DTE Maharashtra Government. • Students can remit their fees online to seek admission to the higher class. • Online process for the choice allotment of free elective subjects to the students. • Online admissions to higher classes using ERP portal • Use of Whats App groups to convey regular and urgent information to students • Portal for online fee payment • ERP system is used for maintaining student admission data and the student's information such as personal, academic etc. • Online process for the choice allotment of free elective subjects to the students. • Online Maintenance of students data for Training and Placement • Students are kept well informed through e-mails and Whats App group about on-campus placement drives, off-campus placement drives, training etc • Online Grievance Redressal system for students • Web link on Institutes Portal for Maharashtra State online scholarship portal (Maha DBT) to help students

		while applying for scholarship and updating their records on annual basis for continuation of scholarship
	Examination	• Online portal by SGBAU for filling the internal assessment marks. • Facility for filling online exam form and payment of exam fees. • Use of Moodle for online tests and automation of assessment of Internal Examinations • Internal Test papers, test marks are collected from faculty through email. • Online download and high speed bulk printing facilities of question papers, for semester end examinations conducted by Sant Gadge Baba Amravati University (SGBAU) • Online declaration of results by SGBAU and availability of online mark-sheet to students • Online availability of examination time table • Unit Test schedule, Submission schedule available to students through Whats App groups
	Planning and Development	• Use of dedicated e-mail services to submit online test papers, evaluation results etc • Development of e-content and quizzes for students on Moodle Platform and use of the platform for conducting online Quizzes • Online submission of requirements to procurement of equipments / items. Consumables etc. • Lesson plans, student attendance, semester time table, execution plan are available online through ERP • Usage of dedicated mail service (xxx @ mitra.ac.in) for communication • Online process to ask interest of faculty about the portfolio they wish to work in. • All proposals are submitted online to various Govt. Authorities. • Online registration for Institute Alumni Council . • Online maintenance of records related to Student-Guardian Scheme so that appropriate activities can be planned for the student • All important announcements related to admissions and online registration are made on web portal (www.mitra.ac.in) • The web portal hosts information related to all departments in terms of vision, mission, POs, Cos, Faculty profile etc. • On line feedback from students which helps departments in appropriately planning the academic delivery • Availability of Internet facilities throughout the campus • Finance and accounting is managed using ERP which

	helps in optimal uses of available resource, fund monitoring / Management and forward planning • Use of Whats App for quick planning of urgent meetings/ matters requiring immediate attention • Use of CCTV and online availability of video feed helps departmental heads and Principal to monitor academic plans, monitor security environment etc.
Administration	• Campus ERP system is used for better e governance. Through this system, all records of faculty like personal details, salary details, leave record etc are maintained and can be accessed by authorized agency. • Semester end and within semester feedback are administered using ERP system. • Use of Google forms to obtain feedback for courses and Program Outcomes, administer end of course surveys, Senior Exit survey, Alumni Survey etc, • Through Campus ERP, all records of student are maintained like personal details, academic details, fees, scholarship etc. • Using ERP system, teachers can do lesson planning and its execution, daily attendance of students, leave application etc. • Separate login for class teacher and Heads is provided so as to monitor payment of fees, attendance record, and personal details of students. • Use of Whats App Groups helps administration planning of urgent meetings/ matters requiring immediate attention • All the students can be kept well informed about various activities using Class Teachers Whats App group • Use of CCTV and online availability of video feed helps the administration to monitor academic activity, monitor security environment etc. • Digital notice board is provided to flash the useful information. • Usage of dedicated email facility in communication • Data shared through cloud storage
Finance and Accounts	• Portal for online Tuition fee payment as well as University Fees payment. • Use of Net-Banking facilities for quick transfer of funds • Computerization of Accounting Operations • Usage of Accounting and ERP software for financial management • E-monitoring of fund availability, for further planning and development

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	Prof. A. U. Chaudhari	CCNAv7: Introduction to Networks, 13 Jan 2020 -21 Jan 2020 at Cisco Networking Academy, Amity Institute of Information Technology	NA	30192
2019	Prof.A.S.Utane	CCNAv7: Introduction to Networks, 13 Jan 2020 -21 Jan 2020 at Cisco Networking Academy, Amity Institute of Information Technology	NA	30192
2020	Prof. Anup Burange	TEQIP-III Sponsored one week FDP on Security Cloud and Blockchain	NA	1500
2020	Prof. Harshal Misalkar	TEQIP-III Sponsored one week FDP on Security Cloud and Blockchain	NA	1500
2020	Dr.S.W.Ahmad	Workshop on Security Cloud Blockchain 20 Jan to 25 January 2020 at College of Engineering,Pune AICTE	NA	1500
2020	Prof. Y S Alone	Workshop on Security Cloud Blockchain 20 Jan to 25 January 2020 at College of Engineering,Pune AICTE	NA	1500

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	Online Short Term Training Program (Interdisciplinary) on "RESEARCH AND PUBLICATION ETHICS	NIL	17/06/2020	21/06/2020	22	Nill
2019	NIL	Workshop on awareness of computers computer lab	26/07/2019	27/07/2020	Nill	10
2019	Two weeks AICTE Sponsored FDP on "Moral Values and Ethics for Engineering Teachers" organized by Civil Engineering department , Prof. Ram Meghe Institute of Technology and Research Badnera at Art of Living International center , Bangalore (Karnataka	NIL	11/11/2019	20/11/2019	40	Nill

2019	FDP on Program Outcome	NIL	08/08/2019	08/08/2019	24	Nill
2019	Expert Lecture on Responsibility of structural engineer	NIL	09/08/2019	09/08/2019	23	Nill
2020	One Day Workshop on MIDAS	NIL	15/02/2020	15/02/2020	17	Nill
2019	Workshop on Use of Mobile for Productive Purpose	NIL	24/12/2019	24/12/2020	28	Nill
2019	STTP on Python for IoT and Introduction to 3D Printing Technology	NIL	17/12/2019	21/12/2019	7	Nill
2020	Workshop on Restructuring of Syllabus as Per AICTE Model Curriculum of CSE and MCA	NIL	14/03/2020	14/03/2020	107	Nill
2019	AICTE-ISTE approved Induction/Refresher Programme on "Research Methodology Data Analysis"	NIL	17/12/2019	21/12/2019	27	Nill
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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

FDP on,Advances in Civil Engineering organized by Organised by Department of Civil Engineering, Nagpur Institute of Technology from 26-05-2020 to 30-05-2020	3	26/05/2020	30/05/2020	5
Five day FDP on "Advanced Trends in Engineering" Organized by Nagpur Institute Of Technology, Nagpur, through online mode from 19th to 23th May 2020.	3	19/05/2020	23/05/2020	5
Five day FDP on "QCAD" Organized by Sinhgad Institute Of Technology Science, Narhe, Pune-41, through online mode from 9th to13th May 2020.	4	09/05/2020	13/05/2020	5
Five day FDP on "Solar Energy its Potential Applications, Economical Implications in Indian Scenario after Covid-19" Organized by PRMITR, Badnera, through online mode from 15th to 19th June 2020.	6	15/06/2020	19/06/2020	5
Five day STTP on "Advanced	5	25/05/2020	29/05/2020	5

Practices in Civil Engineering Management" Organized by Dr.Rajendra Gode Institute Of Technology Research, Amravati, through online mode from 25th to 29th May 2020.				
Two weeks AICTE Sponsored FDP on "Moral Values and Ethics for Engineering Teachers" organized by Civil Engineering department, Prof. Ram Meghe Institute of Technology and Research Badnera at Art of Living International center , Bangalore (Karnataka)	5	11/11/2019	20/11/2019	10
AICTE-ISTE approved refresher program on Outcome Based Education: Teaching, Learning Process NBA Evaluation Organized by Prof. Ram Meghe Institute of Technology and Research Badnera on 2nd to 6th December 2019.	2	02/12/2019	06/12/2019	5
2 days Refresher Course on "Theories of	1	02/05/2020	03/05/2020	2

Beams Plates" organized by G H Raisoni College of Engineering and Management, Pune from 2nd to 3rd May 2020.				
FDP on Estimation and Valuationorganized by College of Engineering, Pandharpur through online mode from 24th 25th June 2020.	2	24/06/2020	25/06/2020	2
FDP on, ICT Tools for Teaching Learning and Assessment organized by CBLU from 12th to 14th May 2020.	1	12/05/2020	14/05/2020	3

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
63	191	151	174

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Employee Provident Fund, Group Health Insurance Scheme, Gratuity	Employee Provident Fund, Group Health Insurance Scheme, Gratuity, Concession in Tuition Fees for wards	Institutional Scholarship for Economically weak students, Institutional Scholarship for Meritorious students, University Accidental Insurance Scheme, Govt of India Scholarship/ Free ship to SC, ST, DT, VJ/NT, OBC, State Govt Scholarship for SBC, Minority

6.4 – Financial Management and Resource Mobilization

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

Internal audit of the Institute is conducted by a panel appointed by Vidarbha Youth Welfare Society. The internal audit is done in order to point out any

lapses in accounting, change of heads of expenditure etc. External audit in accordance with auditing standards generally accepted in India is conducted by a Chartered Accountant appointed at Society Level. Auditing standards require appropriate plan and the audit is performed to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. The audit provides a reasonable basis for expression of opinion. All the information and explanations are provided to the external auditor to the best of knowledge and belief. Proper books of account as required by Law are maintained by the management. Book of account is always maintained on accrual basis. The Balance Sheet and Income Expenditure Account are always maintained agreement with the books of account. The Balance Sheet and Income Expenditure account complies with the accounting standards.

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
AICTE	855000	1. STTP and Prerna 2.

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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	No	Nil	Yes	Principal, PRMITR Badnera
Administrative	No	Nil	Yes	Principal, PRMITR Badnera

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

1. Parents meet are conducted once in a semester and the feedback obtained is used as one of the measures for improving teaching learning process 2. Following issues are also resolved through Parent – Teacher Association: a. Few cases of students having poor attendance. b. Few cases of students having financial problem for timely remittance of fees. 3. Awards are provided to meritorious students 4. Felicitation of students who are placed along with their parents

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

1. One day Interactive Workshop on Use of Mobile for Productive Purpose 2. Electrical Safety Awareness and Computer Awareness Program 3. In-house training to selected supporting staff on multitasking like photography, maintenance work, etc.

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

1. Participation in NIRF Ranking. Ranked in bracket of 251-300 in Engineering Institutes Category for AY 2019-20 2. Development of Distributed LMS Portal

(MOODLE) for various departments 3. Due to COVID-19 pandemic, online classes were conducted virtually using different video- audio conferencing applications

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	NASSCOM Future Skills Program	21/09/2019	01/08/2019	30/09/2020	600
2019	Upgradation of MOODLE platform	21/09/2019	08/07/2019	03/08/2019	10
2019	Curriculum Development	21/09/2019	15/01/2020	15/06/2020	32
2020	Online Classes during Lock Down	14/03/2020	15/03/2020	30/04/2020	242
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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
Nil	Nill	Nill	0	0

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
1. No movement of vehicles in the campus (isolated parking area) to avoid air and noise pollution. 2. In-house waste water treatment and rainwater harvesting 3. Reuse of waste water for gardening. 4. Reuse of concrete waste in construction. 5. Solar operated lamp posts in the campus. 6. Solar based lights in library circulation section with auto human detection 7. Regular tree plantation.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1

Ramp/Rails	Yes	1
Scribes for examination	Yes	0
Rest Rooms	No	0
Braille Software/facilities	No	0
Special skill development for differently abled students	No	0

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	1	1	04/08/2019	1	Visit Orphanage Home	Understand the problems of orphans help them	50
2019	1	Nill	01/07/2019	180	Bus Facility	The Institute is located 3 Kms from old Badnera. Students face the problem of trasportation. Hence Institute provides free transport to ferry the students.	150
2020	1	Nill	01/01/2020	75	Bus Facility	The Institute is located 3 Kms from old Badnera. Students face the problem	150

2019	Nill	1	10/11/2019	1	Mega Blood Donation Camp	Availability of blood to patients through blood banks	40
2020	Nill	1	02/07/2020	1	Blood Donation Camp	Availability of blood to patients through blood banks	40
2020	Nill	1	29/02/2020	1	Used Drawing Sheet Distribution program at Dr. Narendra Bhivapurkar Andha Mahavidyalay.	Availability of Drawing sheets for drawing and other art crafts	40
2020	Nill	1	06/05/2020	7	Covid – 19 Awareness Program (Online Quiz)	Spreading awarness about Covid Dos Donts	40
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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)
Teachers Code of Conduct and Ethics	15/06/2018	Any person who takes teaching as profession assumes the obligation to conduct himself in accordance with the ideals of the profession. The teacher is constantly under the scrutiny of his/her students and the society at large.

			Therefore, every teacher shall see that there is no inappropriateness between his/her precepts and practice. The profession further requires that the teacher shall be calm, patient and communicative by temperament and amiable in disposition. Code of conduct and ethics for a teacher provides him a guideline as far as his/her behavior with other stake holders, expectation from a teacher etc.
Academic Integrity and Academic Dishonesty	15/06/2018		Essential to the success of this educational mission is a commitment to the principles of academic integrity. Every member of the Institute's community is responsible for upholding the highest standards of honesty any time. Students are also responsible for adhering to the principles and spirit of following Code of Academic Integrity. Activities that have the effect or intention of interfering with education, pursuit of knowledge, or fair evaluation of a student's performance are prohibited. Few examples of such activities are included and defined to understand what constitutes Cheating, Plagiarism, Fabrication, Mis-representation of academic records, academic dishonesty and unfair advantage.
Students Code of Conduct and Ethics	15/06/2018		Students are expected to exhibit responsible behavior regardless of time or place. Failure to do so may result in disciplinary action by the Institute.

	Responsible behavior is a standard of conduct which reflects higher expectations than may be prevalent outside the Institute community. Academic integrity of any student undoubtedly should not be questionable. Responsible behavior includes but is not limited to the obligations mentioned in the code of conduct and ethics. Code of conduct and ethics reflects the DOS and DONTS for the student such that any student who is meticulously following them will ultimately become a successful professional.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Two weeks AICTE Sponsored FDP on "Moral Values and Ethics for Engineering Teachers" organized by Civil Engineering department, Prof. Ram Meghe Institute of Technology and Research Badnera at Art of Living International center , Bangalore (Karnataka)	11/11/2019	20/11/2019	40
Visit orphanage home	04/08/2019	04/08/2019	50
Ethical Week conduction Meditation workshop by Mr. Shivaji Kuche, "Say Yes to Life "	19/09/2019	19/09/2019	200
Ethical theme for Roll Play activity	20/09/2019	20/09/2019	180
Wall Magazine	21/09/2019	21/09/2019	85
Movie playing and review on "Ethics"	21/09/2019	21/09/2019	55

Mega Blood Donation Camp	10/11/2019	10/11/2019	40
Blood Donation Camp	02/07/2020	02/07/2020	40
Covid – 19 Awareness Program (Online Quiz)	06/05/2020	12/05/2020	40
International yoga Day	21/06/2020	21/06/2020	40
[View File](#)			

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

6. No expansion or development work at the cost of tree cutting and regular tree plantation.
1. No movement of vehicles in the campus (isolated parking area) to avoid air and noise pollution.
2. Drip irrigation system in the garden to make optimum use of water
3. In-house waste water treatment, Rainwater harvesting Reuse of waste water for gardening.
4. Reuse of concrete waste in construction.
5. Solar operated lamp posts in the campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Industrial Training and Placement Assistance for students in respect of MCA students. The goal of this activity was to impart industry mapped training (technical and professional) to the students and empower them with the knowledge and skills -as per their aptitude - in order to meet the manpower requirements of the Industry. Organizations expect the colleges to train their students in such a way that they are not just measured on their academics, but assessed by their skills as well. The students, pursuing MCA, come from varied backgrounds with respect to their schooling, location (urban/ rural), socio- Economic, Educational and gender factors. Thus, it is very challenging to develop a sense of belongingness and level playing field for all students by the time they graduate. Hence continuous career guidance and counselling would enhance the clarity in the minds of students to help them make well informed decisions about their career. The major challenges we faced and had to be addressed in designing and implementation were, conducting Career guidance activities without disturbing the Academic Calendar, emphasizing the importance of regularity in attending placement training programs and career guidance sessions, involving the Alumni in the said program and Identifying appropriate resource persons (external), for providing career counselling and Technical Aptitude. All this was required to be done while balancing the regular academic activities. Alumni (mostly from Industries) were regularly invited to address students and to guide them through the career options, provide industry insights and to impart knowledge on the current trends and latest technologies. Students were trained on communication skills, soft skills, personality development, aptitude skills and technical skills in order to make them confident to face the challenges of the future. Trainers from different training agencies were invited to provide Aptitude training to our students. This resulted in improvement in placement percentage as well motivating a few to become entrepreneurs. However one must admit that the biggest problems we have faced is the availability of time. Thus a lot of background work had to be

done before, during and after organizing these activities. 2.Improving Participation of Department of Civil Engineering in R D and Testing Consultancy Services Set Goals are: ? To acquaint faculty and students with design and consultancy work ? To empower and encourage faculty to interact with the private industry and government organizations. ? To improve quality of education through exposure to field/ industry. ? To expose students to RD activities. ? To develop laboratories beyond the curricular requirement. The institute being located in rural area of backward Vidarbha Region it has no big industry or construction projects. Hence students and faculty lack exposure to industry/ field. Special efforts were therefore required to improve interaction of the institute with the industry and organizations. The institute encourages interaction of the faculty with the outside world. This is achieved through personal level interaction with the organizations and practicing engineers. The faculty is also encouraged to participate in the activities of professional bodies like IE, IWWA, ISTE etc. This keeps faculty in touch with the developments in the field and the requirements of industry. Efforts are made to equip laboratories with the best equipment, beyond the curricular requirements. This makes the institute capable of providing quality services, and also provides exposure to faculty and students with regards to latest instruments and equipment. Financial incentives are used as empowerment and rewarding mechanism to encourage participation in RD activities. This has resulted not only in improving funds through testing facilities but also earning through consultancy activities.

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

http://mitra.ac.in/uploads/main-media-pdf/Best_Practice_2019-20.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

Established in the academic year 1983, Prof. Ram Meghe Institute of Technology Research, Badnera has an enviable record in placement of rural students. Affiliated to Sant Gadge Baba Amravati University, the institute has been instrumental in updating the skill sets of the rural students and makes them "Industry Ready". "To be become Pace setting Centre of Excellence" has been identified as the first and foremost distinctive feature in the vision of the institute. The institute has high brand recall because of its quality of education. Top Multi-National companies like TCS, Cognizant, Capgemini, Wipro, Accenture etc. are visiting the institute year after year for recruitment because of highly employable quality of graduates. The institute focuses on improving the industrial acceptability of our students by seeking meaningful interaction between Industry and Institute. The institute provides enough opportunities to the students to acquire firsthand knowledge of industrial practices and recent trends by way numerous thoughtfully designed training activities. The institute is acting as an pace setting Centre to provide best talent to Industry. With Professionalism as one of its core values, the institute strives to shape the rural talents through diverse innovative approaches. The institution has extensively practiced outcome based training methodologies by tying up with renowned training agencies and Institutions such as NASCOM, CISCO and Amazon Web Services to increase knowledge and skills of the rural students. This Student centric experimental participative and problem solving methodologies have given the students', the confidence to deal with corporate competition. Placement process is constantly tuned based on Industry need and feedback encompassing every dimension of the Placement Process like- • Understanding the dynamically changing needs of the corporate through formal structured interactions with Alumni and Industry Personnel • Detailed Profiling

of the students to identify their aspirations, strengths, weaknesses and potentials • Embarking upon a Full Enablement Format that will address every issue from Competency to Career • Involvement of Students at every step of the Process such that both their Expectations and Responsibilities are enriched • Students exposure to Corporate expectations by enabling direct contact in every stage This resulted in the placement of 585 students in esteemed and top-notched industries in academic year 2019-2020 as compared to academic year 503 students placed in 2018-2019.

Provide the weblink of the institution
http://mitra.ac.in

8.Future Plans of Actions for Next Academic Year

1) To upgrade the knowledge of students by motivating them for summer internship after six semester examination. 2) To increase placement of students by involving industrial partner in various activities of institute. 3) To increase the number of MoU's for the benefit of students and faculties and to strengthen industry linkages. 4) To introduce Intensive training for preparing students for GATE as well as for various competitive examinations through regular online MCQ's exam pattern and mock test. To create a committee which will work for providing support to students willing to prepare for various competitive examinations and for creating conducive environment to students. 5) To arrange software based seminars/webinars for strengthening the student development facilities and to organise regular training programs and capacity building workshops. 6) To conduct online STTP's/ FDP's for the faculty in the field of Civil Engineering to upgrade their knowledge. 7) To propose to BOS (Board of studies), SGB Amravati University regarding inclusion of subjects as per Industry demand to fill the gap between academic knowledge and industrial requirement. 8) To enhance upgrade the resources of Laboratory facilities for creating Advanced Research Environment and other infrastructure of department by applying for AICTE and other government grants. 9) To provide technical support for various projects under UNNAT MAHARASHTRA ABHIYAN as community service activities to contribute to the wellness of the society. 10) To increase the e-content development facility by teacher in the various platform i.e. Moodle in the institute. 11) To include Alumni and industry partners and contribution at the departmental level through various activities of the institute. 12) To increase the usage of e-Resources in the departments. 13) To Conduct of Workshops and/ or seminars on topics of importance including entrepreneurship development at our campus. 14) Collaboration with industries for internship, training and placement purpose will be more focused. 15) Participation of students in technical activities as well nontechnical activities will be motivated and monitored. 16) Development of advance fabrication laboratory in Mechanical Department 17) To initiate socially relevant Outreach Programs 18) Introduce new Certificate/ Diploma/Value added Courses during the next academic year i.e.(AY 2020-21) 19) Increased use of ICT (LMS, e-Resources) by faculty i.e.(AY 2020-21) 20) Improve availability of ICT Tools and resources i.e.(AY 2020-21) 21) Enhancement in efforts for sanctioning Research projects from various Government funding agencies, industry etc. i.e.(AY 2020-21) 22) Conduction of Workshops/Seminars on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the next academic year, i.e.(AY 2020-21) 23) Creation of Incubation center in campus and help incubating new start ups, i.e.(AY 2020-21) 24) Increase participation of Faculty in FDP/ STTP/ Refresher Courses/ Orientation programs, i.e.(AY 2020-21) 25) Organize Gender equity Promotion programs in next academic year, i.e.(AY 2020-21) 26) Encourage faculty to develop e-content, i.e.(AY 2020-21)