Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**MALLA REDDY ENGINEERING COLLEGE FOR WOMEN**
Name of the head of the Institution	**Dr.Y.Madhavee Latha**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**+919346118803**
Mobile no.	**8106714901**
Registered Email	**adminmrecw@gmail.com**
Alternate Email	**principal@mrecw.in**
Address	**MALLA REDDY ENGINEERING COLLEGE FOR WOMEN,Maisammaguda, Dhulapally,Hyderabad**
City/Town	**Hyderabad**
State/UT	**Telangana**

Pincode	**500100**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**11-Oct-2018**
Type of Institution	**Women**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr.N.Sreekanth**
Phone no/Alternate Phone no.	**+919346118803**
Mobile no.	**9603709796**
Registered Email	**adminmrecw@gmail.com**
Alternate Email	**nsreeku@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	**http://www.mallareddyecw.com/PDFs/AQAR/17-18.pdf**

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	**http://www.mallareddyecw.com/jntuacademic_calenders.html**

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.05**	**2014**	**24-Sep-2014**	**23-Sep-2019**
2	**A**	**3.05**	**2019**	**13-Feb-2019**	**31-Dec-2023**

6. Date of Establishment of IQAC	**09-Jul-2012**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
4TH INTERNATIONAL CONFERENCE ON Signal Processing, Communications and System Design (ICSPCOMSD-2019)	08-Feb-2019 2	58
4TH INTERNATIONAL CONFERENCE ON Technical Advancements in Computer Science and Engineering (ICTACSE-2019)	08-Feb-2019 2	62
4TH INTERNATIONAL CONFERENCE ON Emerging Trends in Electrical Systems & Engineering (ICETESE-2019),	08-Feb-2019 2	29
4th INTERNATIONAL CONFERENCE ON EMERGING STRATEGIES FOR BUSINESS ADVANCEMENTS (ICESBA-2019)	08-Feb-2019 2	78
SAFE WOMEN HACKATHON-2019 IN ASSOCIATION WITH J-HUB, JNTUH	11-Jan-2019 2	2356
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8. Provide the list of Special Status conferred 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
MRECW	SPDP	AICTE	2019 730	622000
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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 :	5
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes

Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**Yes**
If yes, mention the amount	**3402000**
Year	**2019**

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

Autonomous Institution,UGC,Govt.of India NAAC Accrediation Extend to 13/02/2019 to 31/12/2023 Renewal Accreditation by NBA,AICTE New Delhi NIRF Ranking 2018 MHRD Govt of INDIA Two NSS units recognized by JNTUH,Hyderabad AAA plus Rated by Career 360 Platinum Rated by AICTE CII Survey of Industry Linked Technical Institutes2019 Best College of the year 2019 from Education Matters

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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
UGCAutonomous Status	UGC Autonomous status for 10 years
Renewal of Accredition of NBA	Renewed Accredition by NBA, AICTE, New Delhi
International Conferences	4th International Conference on Signal Processing Communications and System Design(ICSPCOMSD2019), 4th International Conference on Technical Advancements in Computer Science and Engineering (ICTACSE2019),4th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE2019),4th International Conference on Emerging Strategies for Business Advancements (ICESBA-2019) organized under Research & Development Cell on 8th & 9th February 2019.
Patents	1.Smart Door Locking System(Application Nuber:201941026559,Published Date:1/06/2018) 2.A Vehicle with Smart Biometric Device (Application Nuber:201841018860, Published Date: 1/06/2018) 3.System To Generate Electricity By Establishing A Direct Connection With Transmission Network(Application

	Nuber:201841019169,Published Date:Date:1/06/2018) 4.Function Generator To Generate A Plurality Of Electrical Waveforms(Application Number:201841019200, Published Date:Date:1/06/2018) 5.Washbowl from E-Waste Materials(Application Nuber:201841029579,Published Date:Date:7/03/2019)
Publications&Books	Faculty published and presented 531 research Papers in SCI,Scocus,UGC and reputed International/National Journals/Coferences and 25 books published by faculty
Faculty Development Programmes	A Faculty Development Program on Research MethodlogiesApproaches & Analysis-12th to 15th April, 2019. Faculty Development Program on Effective Teaching Methodologies-19th & 20th December, 2018. One Week Faculty Orientation Programme -12t to 18th December,2018. Faculty Development Programme on C using Code tantra tool-12t to 18th December,2018 One Week Workshop on Linux Operating System-20th to 25th May,2019.
Value Added Certification Courses	Cisco CCNA RS introduction to networks Certification,Cisco Programming essentials in C certification,Cisco CCNA routing and switching Certification ,Cisco Linux Certification,Cisco Programming essentials in C++ Certification-through Cisco Networking Academy,Robotic Process Automation Certification Training ,Java SE programmer profession(JCP) certification through Oracle Academy,MTA Certification through Microsoft Innovative Centre through Microsoft Innvation Centre completed.
Pearson,Oxford,Business English Certification Courses	Pearson Certification Traning(LSWR Skills) for III Year Studets,Oxford Achievers Certification for II Year Students and Business English Certification by Cambride University completed under Centre for Development of Communication Skills Cell
Hackathons	Safe Women Hackathon-2019 in association with J-Hub, JNTUH on 11th&12thJanuary,2019 Software Hackathon Exhibition - 2018 Organizing under CSI student chapter on 6th October, 2018 and Two days Microsoft Hackathon Program for III Year BTech Students on 11th & 12th July 2018.

	completed under Events Under Entrepreneurship Development Cell.
MHRD Innovation Cell	Establishment of MHRD Institute Innovation Cell on 21.11.2018.The following events are attended by faculty and studets. India first leadership talk by Shri.Anand Mahindera Chairman, Mahindra Group,by MHRD(08/01/2019) One day workshop on "IPR for Students and faculty members " by Ms. Shwetasree Majumder,Principal ,Fidus law Chambers(10/01/2019). India first leadership talk by Dr.Anand Deshpande Chairman & MD ,Persistent Systems Ltd ,by MHRD(24/01/2019) India first leadership talk series by Shri Ajit Doval,National Security Advisor , Govt of india ,by MHRD. One day workshop on "Women Entrepreneurship" by Ms. Pranathi Reddy& Team, Telangana women entrepreneurs Hub (WE HUB)(22/03/2019)
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Body	**22-Apr-2019**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**22-Mar-2019**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2018**
Date of Submission	**29-Sep-2018**
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)	**MRECW MIS WEBSITE DESCRIPTION Web Address: https://mrecwexamcell.com/BEES ERP/Login.aspx MRECW MIS provides suite of application for complete management of the college. It is the first Women Campus in Telangana State which is**

using MIS. The MIS suite consists of a bundle of extensive and powerful features, which helps each area of the educational system from student / parent level to the management level. It consists of a series of modules which integrates each and every activity of the campus to a single data server. We at MRECW implements OutcomeBased Education which means clearly focusing and organizing everything in a systematic way which is essential for all students to be successfully at the end of their learning experiences. LIST OF MODULES: 1. Administration 2. Academics 3. Exam Cell 4. Placement 5. Library 6. Payroll 7. SMS 8. ID cards 9. Utilities 10. Security

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	A02	Electrical and Electronics Engineering	16/11/2018
BTech	A04	Electronics & Communications Engineering	09/11/2018
BTech	A05	Computer Science and Engineering	08/11/2018
BTech	A12	Information Technology	08/11/2018
Mtech	D55	Embedded Systems	09/11/2018
Mtech	D58	Computer Science Engineering	08/11/2018
MBA	E00	MBA	11/12/2018
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	CSE,EEE,ECE IT	03/09/2018	1800MC03 Foreign Language - French	08/11/2018
BTech	ECE,EEE,CSE,IT	03/09/2018	1800MC02 Human Values	08/11/2018

		and Professional Ethics	
BTech	ECE,EEE,CSE,IT	03/09/2018 1800HS01English	08/11/2018
BTech	ECE,EEE,CSE,IT	03/09/2018 1800MC01 Environmental science	08/11/2018
BTech	,CSE,IT	03/09/2019 1800HS04 ManagerialEconomics and FinancialAnalysis	08/11/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Electronics communication Engineering(Basics of Data Structures)	09/11/2018
BTech	Electronics communication Engineering(Analog Digital Communications))	09/11/2018
BTech	Electronics communication Engineering(Human Values and Professional Ethics)	09/11/2018
BTech	Electronics communication Engineering(Analog & Digital Communication Lab)	09/11/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Electronics communication Engineering	02/07/2018
BTech	COMPUTER SCIENCE ENGINEERING	02/07/2018
BTech	Electrical & Electronics Engineering	02/07/2018
BTech	Information Technology	02/07/2018
Mtech	Embedded Systems	03/09/2018
Mtech	computer Science Engineering	03/09/2018

MBA	MBA	03/09/2018

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
Cisco CCNA RS introduction to networks through Cicsco Networking Academy	02/07/2018	600
Java SE programmer profession(JCP)	02/07/2018	12
MTA Certification through Microsoft Innovative Centre	02/07/2018	535
Cisco Programming essentials in C through Cicsco Networking Academy	02/07/2018	568
Cisco CCNA routing and switching through Cicsco Networking Academy	02/07/2018	589
Pearson Certification(LSWR Skills)	02/07/2018	564
oxford achievers Certification	02/07/2018	600
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Computer science Engineering	484
BTech	Eletronics and communication Engineering	519
BTech	Electrical & Electronics Enginnering	135
BTech	Information Technology	114
Mtech	Computer science Engineering	16
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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

The institute has a properly structured mechanism to obtain the feedbacks from all the stakeholders like students, parents, employers and Alumni through well designed formats. The feedback received from the students and stakeholders are carefully analysed, discussed and appropriate actions are initiated at various bodies. Including the Department Academic Committee, Academic Council, Governing Body, IQAC etc. Feedback is collected from following Stakeholders : Student feedback : • A Graduate Student Exit Survey is done for the outgoing students in which questionnaires are answered by the students. • A CRC(Class Review Committee) meeting consisting of students from every year is conducted twice in semester to know the status of the courses being taught and identify the difficulties of students if any. Appropriate measures are immediately taken by the heads of the department to resolve them. • Feedback on Faculty: Feedback is taken from the students Twice in Semester. Each student is provided with a well designed feedback form specifying the subject and corresponding faculty name with 10 criteria for evaluation, with a total of 100 marks for each faculty. The feedback of each faculty is calculated. Faculty with feedback above 90 are considered as Excellent, above 85 as Very good, above 80 as Good and bellow 80 as Average. Alumni Feedback : Feedback from Alumni is collected every year to know the accomplishment/progress in their professional advancement after graduation, based on the Graduate Programme Study at the institution. This feedback helps in assessing the status of the institution with respect to the industry demands and also helps to refines PEO's. It gives an insight into the various modern technologies that a graduate needs to be aware of so as to fare well in the industry. The department/institute analyzes these feedbacks and updates the programs accordingly. Parents feedback: The feedback from parents is taken as inputs and are treated as sources for fine tuning our academic processes. This feedback helps in knowing the satisfaction level of parents with reference to the curriculum offered, laboratory equipment provided and modern scientific tools available, student transport/ hostel facilities, safety and security measures taken up by the institution, medical facilities, infrastructural facilities, campus placement. Employers feedback: The feedback from the employers on the alumni performance and the necessity of revising the curriculum to suit the present industrial needs is obtained through the Training and Placement Cell. The feedback collected from the stakeholders are used in the following places • To check whether the Vision and Mission of the departments as well as the institution are being met. • To take inputs while Forming and updating program curriculums. • Improving quality of the various programs offered by the institute. • To check Attainment levels of the PEOs (Program Educational objectives) . • To know if the infrastructural facilities and other facilities provided by the institution like library , Wifi , transport, hostel etc are good. • Analyzing the impact of the teaching learning methodologies used in the institution. • To analyze the performance of faculty.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Computer Science and Engineering	240	1000	240

BTech	Electronics and Communication Engineering	240	700	240
BTech	Electrical and Electronics Engineering	60	200	60
BTech	Information Technology	60	600	60
Mtech	Computer Science and Enginering	24	70	12
Mtech	Embedded Systems	24	70	19
MBA	Master of Business Administration	60	200	58

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	2484	165	175	20	195

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
195	195	70	46	46	20

[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)

To provide personalized Counseling to each and every student, the institute has a very actively functioning Counseling and Mentoring Cell, through which 20 students are attached to each faculty member for Counseling. The Cell works with the vision, 'To produce highly skilled, world class engineers with great leadership abilities' and the mission, 'To motivate the students who are weak academically, highlighting their strengths and showing the knowhow to convert weaknesses into strengths'. The functions of this Counseling and Mentoring Cell are, to provide constant guidance and motivation to the students for Academic Excellence as well as participation in co-curricular and extra-curricular activities, to counsel students to improve technical abilities, communication skills, language proficiency, interpersonal skills, presentation skills, organization skills, time management skills and team spirit, to identify slow learners and give proper guidance for improvement, to identify and counsel behaviorally typical students and to conduct special counseling for hostellers. Counseling Register to maintain details of the allotted 20 students are provided to the Counselors and Counseling includes regular record of student attendance, performance, activities and results along with constant guidance and motivation to the

students in academics as well as co-curricular and extracurricular activities. Constant rapport is maintained by the Counselor with the students. Slow learners typical candidates are identified, given proper guidance and also provided with Remedial Classes. Counseling is done once in every 15 days and the report is submitted to class teachers which would be further forwarded to counseling year in charges and then to over all incharges. Once every month, as per stipulated dates, the counselors meet overall Counseling incharge explain progress of individual student. Also, Students are enquired regularly by Overall Counseling Incharge, about counseling being done, to identify whether the counseling process is in place without any deviation. Counselors are responsible for the progress performance of the 20 students in all aspects. So, they closely monitor the students give them constant guidance heartfully.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2649	195	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
195	195	Nill	15	28

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
2018	Dr S P Anandaraj	Professor	Global Teachers Award,Best Faculty Award
2018	Dr A Jayachandran	Professor	Innovative Research Computer Science Engineering and Best Faculty Award
2018	Dr N Kirubakaran	Professor	Best Senior Researcher Award
Nill	Dr.Y.Madhavee Latha	Principal	Women in Education Award from Dewang Mehta National Education Awards,
2019	Dr.Y.Madhavee Latha	Principal	Governing Body Member,MRCET
2019	Dr.C.V.P.R.Prasad	Professor	Board of Studies Member,MRCET
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end

				examination
Mtech	D	II/I	06/07/2018	06/08/2018
Mtech	D	I/I	29/12/2018	10/01/2019
BTech	A	II/IV	18/05/2019	20/06/2019
BTech	A	I/IV	08/12/2019	18/03/2019
BTech	A	II/III	18/05/2019	09/07/2019
BTech	A	I/III	08/12/2018	26/03/2019
BTech	A	II/II	18/05/2019	10/07/2019
BTech	A	I/II	08/12/2018	02/04/2019
BTech	A	II/I	16/05/2019	08/06/2019
BTech	A	I/I	22/12/2018	10/01/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nill	2649	0

2.6 – Student Performance and Learning Outcomes

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

http://www.mallareddyecw.com/department.html

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
A05	BTech	Computer Science and Engineering	241	216	89.63
A04	BTech	Electronics and Communication Engineering	262	242	92.37
A02	BTech	Electrical and Electronics Engineering	67	65	97.01
A12	BTech	Information Technology	57	56	98.25
D58	Mtech	Computer Science and Engineering	18	15	83.33
D55	Mtech	Embedded	16	14	87.50

		Systems			
E00	MBA	Master of Business Administration	58	53	91.38
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2.7 – Student Satisfaction Survey

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

 http://www.mallareddyecw.com/PDFs/SSIQAC/18-19.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Ms.Kamakshi
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Mr.B.Amarnath Reddy	Best Research Paper Award	08/02/2019	Best Research Paper Award in 4th International Conference on Emerging Strategies For Business Advancements (ICESBA-2019)
International	Dr A Jayachandran	Innovative Research Computer Science Engineering and Best Faculty Award	31/05/2018	The Society of Innovative Educationalist and Scientific Research Professional, Chennai
International	Dr N Kirubakaran	Best Senior Researcher Award	31/05/2018	Global Education and Corporate Leadership,Pride Amber Vilas,Jaipur, Rajasthan,India

International	Dr S Sathish	Best Young Researcher Award	31/05/2018	Global Education and Corporate Leadership,Pride Amber Vilas,Jaipur,Rajasthan,India
International	Dr S Ramesh	Award of Excellence in Research	31/05/2018	International Association for Science and Technical Education,Tamilnadu
		[View File](#)		

3.2 – Resource Mobilization for Research

3.2.1 – 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	1244000	622000
Students Research Projects (Other than compulsory by the University)	90	Malla Reddy Educational Society	60000	60000
Students Research Projects (Other than compulsory by the University)	90	Malla Reddy Educational Society	45000	45000
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

3

3.3 – Innovation Ecosystem

3.3.1 – 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
One day workshop on IPR for Students and faculty members by Ms Shwetasree Majumder Principal Fidus law Chambers	EDC CELL	10/01/2019
One day workshop on Women Entrepreneurship by Ms Pranathi Reddy Team Telangana women entrepreneurs Hub (WE HUB)	EDC CELL	22/03/2019

3.3.2 – 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
National Ranking in Top 100 Rank Band by Times News Magazine.	Malla Reddy Engineering College for Women	Times News Magazine.	31/05/2019	National Ranking in Top 100 Rank Band by Times News Magazine.
AAAA Plus Rated in Top Engineering Colleges Survey-2019 by Digital Learning Magazine	Malla Reddy Engineering College for Women	Digital Learning Magazine	31/05/2019	Top Engineering Colleges Survey-2019
Four Star rating From Institution Innovation Council(IIC), MHRD, Govt.of India to promote Innovation and Startup	Malla Reddy Engineering College for Women	MHRD, Govt.of India	24/05/2019	Innovation and Startup
AAA Plus Rated by Careers 360 Magazine	Malla Reddy Engineering College for Women	Career 360 Engineering College Survey	30/04/2019	Career 360 Engineering College Survey
Ranked 6th among the Outstanding Engineering Colleges of Excellence - CSR.	Malla Reddy Engineering College for Women	Global Human Resource Development Centre	09/05/2019	Outstanding Engineering Colleges of Excellence
Platinum Rated by AICTE-CII Survey of Industry Linked Technical Institutes	Malla Reddy Engineering College for Women	Platinum Rated by AICTE-CII Survey of	06/04/2019	Industry Linked Technical Institutes
Top 100 Rank ,Atal Ranking of Institutions on Innovation Achievements (ARIIA)	Malla Reddy Engineering College for Women	MHRD Innovation Cell (MIC), Ministry of Education Government of India, All India Council for Technical Education	08/04/2019	Private or Self-Financed College/Institutes

3.3.3 – 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
MRECW TBI	MRECW TBI	Malla Reddy EducationalSociety	0	0	01/01/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Computer Science Engineering	1
Electronics and Communication Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics Communications Engineering	100	1
International	Computer Science and Engineering	63	1
International	Information Technology	19	1
International	Master of Business Administration	82	6
International	Humanities and Sciences	10	2

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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Electronics and Communication Engineering	78
Computer Science and Engineering	94
Electrical and Electronics Engineering	27
Information Technology	12
Master of Business administration	68
Humanities and Sciences	10

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Washbowl from E-	Published	201841029579	07/03/2019

Waste Materials				
Smart Door Locking System	Published	201941026559	01/06/2018	
System To Generate Electricity By Establishing A Direct Connection With Transmission Network	Published	201841019169	01/06/2018	
Function Generator To Generate A Plurality Of Electrical Waveforms	Published	201841019200	01/06/2018	
A Vehicle with Smart Biometric Device	Published	201841018860	01/06/2018	

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3.4.5 – 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
An Enhanced Low Rank Approximation Svd-Based Method For Image Denoising	Dr N sreekanth	International Journal of Engineering and Advanced Technology(IJEAT)	2019	1	MRECW	1

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3.4.6 – 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
Multi Spectral Coding in RADAR Signal Conditioning using Recurrent spectral mapping	Dr. Y. MADHAVEE LATHA	International journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	6	4	Dept. of ECE,Malla Reddy Engineering College for Women, Dhulapally , Hyderabad

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

Number of Faculty	International	National	State	Local
Presented papers	202	10	12	12
Attended/Seminars/Workshops	1	12	156	176
Resource persons	1	2	25	10
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
CSE	Application Development with Multitasking for Coagulation Analyzer	Allinnov Research and Development Private Limited	550000
CSE	Application Development with Multitasking for Coagulation Analyzer	Allinnov Research and Development Private Limited	550000
ECE	Design And Implementation Of Kogge Stone Adder Using Cmos And Gdi Design	Jay Robotics	560000
ECE	Artificial Intelligence Based Weather Monitoring	Pantech	620000
EEE	Adaptive MPPT of Grid- tied Photovoltaic System using Magnetically Coupled Impedance Source Inverters	Natural Resources Data Management System(NRDMS)	500000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
MRECW	Python Programming	BRAINOVISION SOLUTIONS(INDIA) PVT.LTD	20000	50
MRECW	Internet of Things	PANTECH PRO ED	30000	50
MRECW	Java Programming	COIGN EDU IT SERVICES PVT	50000	50

		LTD		
MRECW	**Entrepreneuer ship**	**Money N Mobile**	**20000**	**50**

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3.6 – Extension Activities

3.6.1 – 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 Camp in Association with JNTUH	**NSS**	**25**	**120**
Awareness Programme on "National Security Priorities and Citizens Responsibility by LtGenP G Kamat	**NSS**	**35**	**600**
personality Development Programme to st udents of Govt.High School	**NSS**	**6**	**90**
Dental check up	**NSS**	**35**	**240**
Go Green Plantation Progrmme	**NSS**	**176**	**2134**
WHHEE Workshop in Association with JNTUH	**NSS**	**15**	**160**

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3.6.2 – 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
Personality Development Programme to students of Govt High School Medchal by MRECW faculty	**Appreciated by Head Master**	**Head Master Govt School**	**45**
awareness on Cleanliness at maisamma guda	**Appreciated by Sarpanch Maisamma Guda**	**Maisamma guda sarpanch**	**35**
Donate books and pens for Maisamma guda Govt Primary School	**Appreciated by Head Master**	**Head Master Maisamma Guda**	**52**

adopted two orphan Children at bahadurpally	appreciate d by Bahadurpally sarpanch	Bahadurpally sarpanch	2

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3.6.3 – 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
awareness ongender equality	MRECW	awareness ongender equality at Maisammaguda	5	45
swach Bharat	MRECW	awareness on Cleanliness at maisamma guda	16	120
plantation Programme	NSS MRECW	Go Green Plantation Program	178	2443

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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
International Conferences	All faculty	MRCEW	2
Research project	Dr.V.Vijayaraja	Allinnov Research and Development Private Limited	730
Research Project	Dr.N.Sreekanth	Allinnov Research and Development Private Limited	730
Research Methodologies	All Faculty	MRECW	2
Entrepreneuership	Mr.B.Amarnath reddy	MRCET	2
Linux Programming	Mr.V.Sundararatnam	BRAINOVISION SOLUTIONS(INDIA) PVT.LTD	6

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3.7.2 – 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

Industry Institute Collaboration	Internship	SmartBridge	14/05/2018	14/06/2018	28
Industry Institute Collaboration	Internship	TECH FORT	14/05/2018	14/06/2018	18
Industry Institute Collaboration	Summer Product Engineering Workshop(EXCITE 2018)	J-HUB,JNTUH	17/05/2018	30/06/2018	11
Industry Institute Collaboration	Internship	Internshala	01/06/2018	28/02/2019	49

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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
MSME Tool Room,Hyderabad	28/01/2019	In Plant Traning-Internships,Certification Courses,Academic Projects,Acadaemia Inreration	100
IBM India Pvt.Ltd	10/07/2018	Projects,Internships,Trainings	100
Oracle Academy	17/08/2018	Institute Level Licence Agreement and Certification courses	40
International Technological University	01/06/2018	Student,Faculty and staff Scholoships Exchange,Career Counselling	100
Automation Anywhere,Inc	26/10/2018	Set of Center of Excellence,Certification Courses,Software License	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
149000000	148580921

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Laboratories	Existing
Class rooms	Existing
Laboratories	Existing
Campus Area	Existing

View File

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
New genlib Helium	Fully	3.1	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	22925	7326603	1394	668091	24319	7994694
Reference Books	3223	751062	310	59275	3533	810337
e-Books	6000	Nill	5000	Nill	11000	Nill
Journals	1126	1642185	82	168150	1208	1810335
CD & Video	2275	Nill	24	Nill	2299	Nill
Library Automation	1	Nill	Nill	Nill	1	Nill
e-Journals	16046	563945	3182	111832	19228	675777
Digital Database	3	675799	Nill	Nill	3	675799

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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
Mr.M.Srinivasulareddy	Data Science	Udemy	07/12/2018

All Faculty	Academic Course Content Developed-(Learning Management Software)	Bees Sottware	20/01/2019
ShabanaUniisa Begum	Programming for Problem solving-(Learning Management Software)	Code Tantra Tool	27/09/2018
Ms.A.Radha Rani	Java Programming-(Learning Management Software)	Code Tantra Tool	27/07/2018

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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	1294	18	100	1	2	6	6	100	20
Added	120	0	0	0	0	0	0	0	0
Total	1414	18	100	1	2	6	6	100	20

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Auditoriums, Seminar halls,Computer Labs withInternet Connection, Smart Class Rooms, Two AdvancedEnglish Communication Skills Laboratories,MultimediaMultimediaLabs, HOD Conference Rooms	http://www.mallareddyecw.com/Econtent.pdf

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
53500000	53426750	22800000	22789932

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)

The college has Maintenance Committee that oversees the maintenance of

buildings, classrooms and laboratories. The Maintenance committee is headed by the Administrative Officer who in turn monitors the work of the Supervisor at the next level. The Supervisor is accountable to the Administrative Officer and functions as the coordinator who efficiently organizes the workforce, maintaining duty files containing details about their individual floor - wise responsibilities, timings, leave etc. ? Laboratories, library and computers are upgraded as per the guidelines of syllabus approved by the BOS members. ? A central purchase committee invites the application for laboratory equipment up gradation, repair and maintenance. ? Library invites the book and journal requisition from all the departments for various subjects in the curriculum. A central library committee is formed to address the various issues and smooth functioning. ? Number of computers on the campus aremore than the guidelines of AICTE. Computers, inter net service, browsing centre is maintained by system administrator and ITfacility maintenance in charge. ? Cleanliness and hygiene are maintained in class rooms and all the places through housekeeping staff. The maintenance officer conducts periodic checks to ensure the efficiency / working condition of the infrastructure. The Development Section maintains the infrastructure facilities. A dedicated team of electricians, plumbers, carpenters and other personnel provide round the clock service to departments. In every department one of the staff members is assigned to oversee the laboratories and equipment etc. He /She are responsible for safe and smooth maintenance of the equipment, and facilities. Log book is maintained to ensure entries and problems if any. The Heads of the Departments supervise all the facilities. Periodic reporting on requirements of repairs and maintenance are submitted by the HODs after approval from Principal to the Administrative officer. The requirements are collectively processed in every semester break so as to keep things ready for the new semester. To maintain and upkeep the infrastructure campus facilities and equipment, following activities are taken by college. ? Keeping department wise stock register by concerned laboratory assistant under the observation of Head of the department. ? Prepares report related to the damage/lost material, repair work or additional material installed in the lab. ? Department wise stock verification reprocessed in every semester break so as to keep things ready for the new semester is done by concerned coordinators of the department. ? Lab assistants under the supervision of the System administrator maintain the efficiency of the college computers and accessories. ? Regular maintenance of laboratory equipment's and chemicals are done by laboratory attendant of concerned departments. Sports, outdoor and indoor games, gymnasium The institution has a huge sports ground. There are well equipped gym and sports kits. Students are encouraged to participate in various zonal and inter-zonal tournaments. Students are provided with various sports kits and equipment. They participate in inter collegiate and inter University matches. Institute sport has following facilities: ? Throw ball court ? Volleyball court ? Basketball court ? Tennis court etc.

http://www.mallareddyecw.com/infratructure.html

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	MRECW,Scholarship	4	30000
Financial Support from Other Sources			
a) National	central govt , Post metricscholars	1340	51071000

	hip(SC),state govtm eritscholarship,aic te scholarship		
b)International	0	Nill	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
One day Soft skills training programme by Mr Raghu for II year BTech Students	03/11/2018	581	Mr.Raghu
Essay writing competition on Role of Engineers in Society for I II III IV Year BTech Students	19/07/2018	2456	Shri Rama Chandra Mission
Personality Development Programme to students of Govt High School Medchal by MRECW faculty	14/02/2019	245	MRECW
Personality Development Program by Prof VVishwanadham Team member IMPACT Ramakrishna Math	18/07/2018	600	Rama Krishna Math
Personality Development Program by Dr BV Pattabhiram World renowned Psychiatrist	20/07/2018	600	Dr BV Pattabhiram
Personality Development Program by ProfM L Sai Kumar Former Dean Academics IPE Prof of CSE	14/08/2018	600	Prof M L Sai Kumar Former Dean Academics IPE Prof of CSE
Personality Development Program on Discipline and Positive attitude –A Gateway to Success by Prof M L Sai Kumar	10/09/2018	600	Prof M L Sai Kumar Former Dean Academics IPE Prof of CSE
Personality	20/03/2019	600	Mr Manash Mishra

Development Program by Mr Manash Mishra Life Coach Peak Performance Coach			Life Coach Peak Performance Coach
International Yoga Day Celebrations	21/06/2018	1678	Rama Krishna Math

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	Awareness Programme on Core Job Opp ortunities and Higher Education Perspective in USA for IV Year Students	568	568	29	29
2019	Awareness Programme on Higher Education & Global Oppor tunities by Ms Marija Ward Interna tional Admission Counselor Western New England University	556	556	29	29
2018	Campus Recruitment Training for IV year students	576	576	561	561

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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
Nill	Nill	Nill

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
20	610	435	15	150	126

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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
2019	1	B.Tech	Computer Science Engineering	IITH	M.Tech
2019	1	B.Tech	Computer Science Engineering	University of Leicester	MS
2019	1	B.Tech	Computer Science Engineering	BITS pillani	M.Tech
2019	1	B.Tech	Electrical & electronics Engineering	Texas A&M University	MS
2019	1	B.Tech	Electrical & electronics Engineering	california state university	MS
2019	1	B.Tech	Information Technology	University of Dayton	MS
2019	1	B.Tech	Electronics Communicatio n Engineering	University of Cincinnati	MS

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GRE	29
TOFEL	21
GATE	18
SLET	18
Any Other	5

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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
VIJAYOTSHAV 2K19 ANNUAL DAY CELEBRATIONS	state level	5000
MRECW Cultural Club Presents TARANG CULTURAL FEST 2K19	Intra college	1500
TECH TROPHY-2K19	State Level Engineering College Sports Meet	1200
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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	Gold	National	1	Nill	17RH1A0589,17RH1A0584	VINEETHA, S SANJANA
2019	Gold	National	1	Nill	18RH1A0432	C VAISHNAVI
[View File](#)						

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

Student participation representation in decision making is encouraged by the college for better academic environment in the institute through different academic and administrative bodies like: Internal Quality Assurance Cell: Student representatives are involved in IQAC to manifest and promote the quality initiatives to be implemented in the institute. Executive Bodies of Professional Student Chapters: like IEEE, ISTE, IETE CSI and Co-curricular Activities Coordinators of each class, coordinate and conduct technical fests, Paper presentations, CodeDesign Contests, Idea Presentations, Hackathons, Robotics Exhibition, Project exhibitions, Poster Presentations, Business Quiz Competitions, Elocution Competitions etc. Class Review Committee: Each class has this Committee to review the academic activities, progress and improvement plans. Committee consists of Chair person, HOD, Class Teacher and 6 student representatives to discuss academic issues including conduction of class work, performance of students and students grievances. Library Committee: The student coordinators are consulted in procurement of new titles, volumes and other additional learning resources. EDC Innovation Cell Club: coordinates events and activities to motivate the innovation and Entrepreneurship in the college. Cultural Clubs-Dance Club, Singing Club, Visualgraphics Club: Club members Extracurricular Activities coordinators from each class, organize intra inter-collegiate Competions, Music Shows Cultural Fests. Literary Club: To enhance the communicative skills of the students, through role plays, skits and stage performances, Essay Writings, Elocutions, G.Ds JAMs. Sports Committee: Student representatives give valid suggestions towards the sports activities and also address the adequacy of infrastructure and other facilities. They organise State Level, Inter Intra College Sports Meets. NSS Club: Coordinators organise activities like Go-Green Plantation Programmes, Anti -Plastic Awareness Programme, Dental Health Check-up Camps, Blood donation etc. Women Protection

Cell Committee: Students are made part of the committee to address issues related to women welfare. Antiragging Committee: Student representatives organise Antiragging Campaigns for Ragging-free Campus. Grievance Redressal Cell Committee: Students coordinators take stand of student grievances. SC/ST Committee: Select SC/ST students are part of it, to take care of SC/ST students welfare. Alumni Association: This committee organizes Alumni Meet every year plays active role in contacting and updating Alumni Status and taking the help of alumni, to make the current students aware of the latest trends in the industry and also in placements preparation. Hostel Committee: They play major role in checking food quality, hygiene and other general facilities. They voluntarily monitor day to day activities and bring to the notice of the warden immediately in case of any discrepancies. Canteen Committee: The quality and hygiene of the canteen is monitored by student representatives along with the other nominated faculty members. They visit frequently and collect feedback from peers and also continuously monitor the quality and quantity of the food served.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

ALUMNI ASSOCIATION Aim: The main aim of the MRECW Alumni Association is to provide a purpose and commendable connection among the students, faculty and the institute for mutual benefit and synergy. Objectives of the Alumni Association ? To keep a register of all Alumni of the MRECW and their relevant data. ? To maintain close relations among the alumni. ? To promote a lifelong relation and to act as a forum for the exchange of information among the members. ? To exchange professional knowledge, organize technical conferences, seminars workshops training courses. ? To provide career development and guidance. ? To maintain and update the data base of the alumni of the college and to interact with them. ? To utilize the rich experiences of old students of the college for the benefit and progress of the present students. ? To provide guidance to the pursuing students in their endeavour for better employment and higher studies. ? To promote the campus placements through the old students working in reputed industries in India and abroad. ? Be a part of Board of Studies for Syllabus Up-gradation from Industry point of view. VISION: MRECW Alumni Association shall serve as a platform in building a professional network driven by the ideals and values, to improve current and future professional integration and motivational capital for MRECW and its students. MISSION: • To connect the existing alumnus with the College and bridge the gap of communication between alumnus and students. • To promote exchange of academic and corporate experience with the students. • To mentor and channelize the efforts of the students seeking better opportunities to learn and grow. • To promote a goodwill and sense of pride to both alumni and students. • To advice and conduct activities that shall motivate and provide scope. • To associate with the MRECW management in planning an increasingly broad and diverse network.. • To suggest new technologies and improvements that shall set a benchmark for industrial expectations.

5.4.2 – No. of registered Alumni:

2100

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

35000

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Association Execution Committee meeting is conducted twice every a year.

Alumni Meet is conducted every year in first week of January. alumni meet was conducted on 12th January,2019. few alumni visited the campus and they shared experiences and guidance to juniors for campus placements and higher education.

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)

College follows decentralization and participative Management in academic and operational policies. The institution's Governing Body, IQAC and Academic Committee are the key policy framing and decision making bodies, constituted by the Principal, HODs and faculty at different levels indicating good decentralization. Institutional Committees like Finance, Budget and Procurement Committee, Disciplinary Committee, Grievance Redressal Committee, SC/ST Committee, Women Protection Cell Committee, Anti Ragging Committee operate directly at the institutional level with departmental support. Other Institutional Commitees like Examination Coordination Committee, Time Table Committee, Attendance Committee, Library Committee, Infrastructure Maintenance Committee, TP Cell Committee, IIPC Committee, Global Education and Career Guidance Cell Committee, RD Committee, Student Counselling and Mentoring Cell Committee function in close coordination with relevant departmental committees. Furthermore, the various Departmental Committees support in the efficient policy implementation at departmental levels for smooth operation of all Institutional activities. Case Study-1: Decentralization and Participative Management in organizing Safe Women Hackathon-2019 in association with J-Hub, JNTUH on 11th12thJanuary,2019. After approval of IQAC,the Academic Committee, executed the conduction of the Safe Women Hackathon-2019 with high-rate decentralization through several committees like, • Hackathon Finance Committee • University Liaison Committee,to coordinate with JNTUH J-HUB,in conduction of the total programme,as this Safe Women Hackathon-2019 is organised in association with J-Hub,JNTUH as a part of J-Hub Hackathon league. • Poster PreparationDesigning Committee, to prepare the Poster contentstake charge of designing. • Hackathon communicationcorrespondence Committee, to communicate Hackathon details to participants from various colleges. • Registrations Scrutiny Committee, consisting experts in relevant technology areas to scrutiny registrations and select applicable participants. • Mentors selection Committee, to identify mentors(from externalinternal sources) required in different required technology areas based on Applications with ideas, received from students. • Mentors Committee, constituted by experts in relevant technology areas to act as mentors for selected participants. • Boot Camp organising Committee,to plan and conduct the proceedings of the Hackathon Bootcamp on 9th10th January,2019. • Inauguralvaledictory arrangements Committee. • Hospitalitycatering Committee. • Accommodation arrangement Committee for Outstation participants stay during the entire BootcampHackathon. • Facilities arrangement Committee for comfortable stay of all participants in the campus during 36 Hours Hackathon on 11th12thJanuary,2019. • Hackathon venuesinfrastructure arrangements Committee. • Judges hospitality Committee for Judges nominated by JNTUH for judging and selecting 3 Winning teams of Hackathon. • Hackathon Report, MediaPhotographs Committee. • Hackathon File Management Committee. Through efficient delegation of responsibilities,the Hackathon was grand success. Case study-2: Conduction of regular Faculty Development Programmes After initiationapproval for conduction of FDP/Refresher Courses by IQAC,the Academic committee executes the plan through different committees given below. • FDPs/Refresher Courses Finance Committee. • Brochure PreparationDesigning Committee. • Advisory board. • Communication Committee. • Registration Committee. • Contents Planning Committee. • Resource Persons Invitation Committee. • Session Scheduling Committee. • InauguralValedictory

arrangements Committee. • HospitalityCatering Committee. • VenueInfrastructure Arrangements Committee. • Report, MediaPhotographs Committee. • Files Maintenance Committee. With good decentralisation, during 2018-19, 5 FDPs were organised successfully,which include, 1-Week Faculty Orientation Program from 16th-26thJune,2018, 1-Week Faculty Orientation Program from 12th-18thDecember,2018 Two-Days FDP on "Effective Teaching Techniques" on 19th20thDecember,2018.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	? ? Curriculum designed with international standards based on industry demands. ? Syllabus in all streams of courses is reviewedrevised at least once in every two years,based on the industry requirements,on interaction with industry,academia expertsalumni. ? Effective and well-structured mechanism like BOS and Academic council meetings,the bodies constituted by University, AcademicIndustry experts supporting in designing and approval of new labssubjects, internships, mini projects, major projects, seminars, Innovation, Startups and Entrepreneurship in curriculum to meet latest industry requirements. ? New professional electives with trending technologies,mandatory courses to inculcate Human ValuesProfessional Ethics and foreign languages like French,introduced to improve employability of students.
Teaching and Learning	? ? Course Files, Digital Notes and Lab Manuals ? Assignments Tutorial Sessions ? e-classrooms ? Application Oriented Teaching Project based training. ? Expert Lectures ? Seminars and conferences. ? TrainingCode Contests-Code Tantra ? Professional English Communication training ? Value Added Certification Training Programmes: o CISCO Certification o Microsoft Technology Training Certification o Oracle Certification o Robotics Training Certification o Oxford Achiever's Certification o Business English Certification o Pearson Certification(LSWR-Skills) ? MOOCs-NPTEL Certifications. ? Soft Skills, Technological Skills CRT. ?

		Online assessment tests for employability enhancement.
	Examination and Evaluation	? ? Examination Cell has well framed policy for valuation, paper setting, proper conduction of exams, Malpractices and results. ? BEES BETPLUS software ICR/OMR technologies are used for examination conduction, digital evaluation and result processing. ? Student evaluation system is in Grade points. ? Question papers setting following Bloom's Taxonomy levels, mapping with CosPOs for each course as part of Outcome Based Education (OBE). ? UG PG programs-two mid-exams of 30 marks each, Average of the 2 are final. End semester examination: 70 marks. ? B.Tech: miniproject, project-1, project-2, 100 marks each. ? MBA:Internship-100Project-200marks. M.Tech:Technical Seminars:300, Comprehensive Viva-Voce:100Project 300 marks.
	Research and Development	? Promotes Research culture through research groups consisting of one senior professor, one Associate Professor, 3 Assistant Professors alligned by specializations, working together for Journal Book publications, Conference Presentations, Research proposals preparation for grants in various funding agencies like AICTE, DST, CSIR and SERB etc. Many funding projects were applied. ? More than 532 SCI, Scopus Indexed and UGC Journal publications were made by faculty. ? The research teams filed 5 patents for their technological inventions. ? Four 4th International conferences in ECE, EEE, MBA, CSEIT conducted on feb 8th 9th,2019. ? FDPs on Research Methodologies- organised regularly.
	Library, ICT and Physical Infrastructure / Instrumentation	? Library: ? Digital(50 computers), Duplex,Central Library with space more than AICTE norms ? 25000 Book volumes, 168 NationalInternational Journals ? E-books- EBSCO and membership OPAC ? Online subscription of IEEE XPLORE Digital Library,JGATE,DELNETBritish Library ? Books bar coded and RFID tagged ? Fully automated with Newgenlib Software ? Auditoriums- 600, 300 and 150 capacity. ? 1294 computers Laptops for faculty with wi-fi. ? State of the art laboratories, RD lab TBI. ? IndoorOutdoor Sports facilities

		Gymnasium. ? Power Backup with UPS facilities. ? Filtration Plant and Cold/Hot Drinking Water Dispensers.
	Human Resource Management	? ? Highly qualified experienced faculty(as per AICTE norms), Non-teaching Technical staff are appointed through an effective recruitment process. The process includes NewsPaper Advertisements, Screening Shortlisting of eligible candidates and Interview by Internal selection Committee. For faculty, it is followed by ratification by JNTUH. Associate Professor Professor designations are offered subject to fulfillment of applicable qualifications API scores. ? The knowledge skills of the faculty are upgraded through Refresher Courses, Workshops, FDPs, Conferences and Personality Development Programmes regularly. ? Excellent academic environment with good Faculty-student bonding.
	Industry Interaction / Collaboration	-Consultancy Projects undertaken by teams of faculty and students in association with reputed organizations. - MOUs have been established for Technology exchange, Internships Consultancy Projects. - Student internships in government reputed private organizations. - Good number of Industry visits have been organised for industry exposure. - Guest lectures by Industry experts in trending technologies were conducted. - Placements Collaboration with Accenture, CapGemini, IBM, CDK Global, Apps Associates, Sutherland Global, Amazon, DXC Technologies, Hexaware. - Value-Added-Certification-Courses offered by Cisco, Microsoft, Oracle. - TBI operating with technical support from industries.
	Admission of Students	? Category-A, consists of 70 of the seats- filled-in through rank secured by the students in entrance tests- EAMCET, GATE-PGCET and ICET for B.Tech, M.Tech MBA respectively, conducted by Telangana State Council for Higher Education. ? Category-B- 30 seats, filled-in by the management. The scheduled dates are publicized through newspapers, College website and college noticeboards. Applications are invited from interested students, online, through the College Website. Seats are allotted based on the Students' JEE

| | Mains Rank and EAMCET Rank with minimum of 90 percentage marks in Intermediate for B.Tech, GATE-PGCET Rank for M.Tech ICET Rank for MBA. |

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

E-governace area	Details
Finance and Accounts	? The BEES ENTERPRISE RESOURCE PLANNING (ERP) softwareprovides support to various finance and accounts related functionalities like student tuition fee payment and payment statusetc. ? The eligible students are applying for scholarship to the Telangana e-pass portal for thefee reimbursementand the college is alsoregistered for this. ? State government after verification will pay the feesonline (through reimbursement) of all eligible students admitted into the college. ? Staff salary statements are prepared by using Tally software. The Final Salary amount released by the management via Cheque, which is deposited along with staff salary statement in bank and the salary is credited into individual staff accounts.
Planning and Development	? The colleges vision and mission statement, department's vision and mission statement, CO's, PO's and PEO's are clearly uploaded on the institutional website. Further development plans and strategies are also to be displayed on the website as and when applicable. ? E governance in various planning and development levels of the Institution is in place through the scheduling , conduct and maintenance of minutes of meetings and resolutions made out of all meetings for the policy making, approvals etc. ? Translation of these policies into action plans are thoroughly deliberated upon in IQAC meetings, Institute Academic Committee meetings, Research Advisory Board meetings etc. ? The use of Google Documents and Sheets further facilitates collaborative planning. Five year Perspective Plans and yearly budgets are prepared based on online inputs received from students and faculty. ? The E-governance provides support to placement cell for students to trainings company recruitment process. ? The Institution uses BEES ERP software provides login credentials to the faculty improve teaching

	learning process by providing digital notes, Lab manuals and PPTs of Lecturer, Effective mentoring of students and in time submission of necessary data to administration etc. ? The colleges vision and mission statement, department's vision and mission statement, CO's, PO's and PEO's are clearly uploaded on the institutional website. Further development plans and strategies are also to be displayed on the website as and when applicable. ? E governance in various planning and development levels of the Institution is in place through the scheduling , conduct and maintenance of minutes of meetings and resolutions made out of all meetings for the policy making, approvals etc. ? Translation of these policies into action plans are thoroughly deliberated upon in IQAC meetings, Institute Academic Committee meetings, Research Advisory Board meetings etc. ? The use of Google Documents and Sheets further facilitates collaborative planning. Five year Perspective Plans and yearly budgets are prepared based on online inputs received from students and faculty. ? The E-governance provides support to placement cell for students to trainings company recruitment process. ? The Institution uses BEES ERP software provides login credentials to the faculty improve teaching learning process by providing digital notes, Lab manuals and PPTs of Lecturer, Effective mentoring of students and in time submission of necessary data to administration etc.
Administration	? MRECW administrative functions are digitized using ERPsoftware. This module provides support for day to day functionality of Institute Administration. ? Faculty induction, Leave management and service record maintenance etc. It has the features for creating holidays, Various Leaves, creating user and assign roles, reference data, service book, Pending Approvals and Employee ID Card etc. ? Message Board, Course Management, Student, Employee, Fees and Finance, Report Centre, Attendance, Time Table, Exam and Asset Management. ? The online Academic monitoring system facilitates, result entry by exam cell, supervision by Heads of the Department and mentors.

	Student progression is also monitored onlineusing BEESERP software.
Student Admission and Support	Admission to various courses offered by the institution is according to the norms of the affiliating University. The college has an admission committee consisting of members from every department to help with the admission process. The college has a totally paperless admission system through an online admission procedure. ? The BEES ENTERPRISE RESOURCE PLANNING (ERP) softwareis used for online admission process via link provided to college website http://www.mallareddyecw.com/index.html. ? The software is also used for student support like issuing Transfer Certificate, Bonafide certificates. Admission Forms, Issue of ID-Cards , Library cards and Challan through the BEES software. ? Classrooms are equipped with smart TVs, and ICT powers the learning process. Hi speed internet Wi-Fi facility and OPAC facility are available in the college. E-circulars are used for communication in all departments. ? Institution uses BEES ERP software, provides login credentials to the students that facilitates to know their respective internals, external exam results and cumulative attendance reports respectively.
Examination	The Institution uses BEES EXAMINATION TOOL (BETPLUS) Software,on-screen marking software digitize pen and paper answer contents and imprint them on-screen to improve the quality and speed of checking.BEES-BET Plus software provides followingfacilities to the for institution internal and external examinations. ? Student Profile Entry ? Student Exam Fee Collection Through Online ? Curriculum and Course Structure Allotment ? Student Exams Registration HallTickets Printing ? OMR Generation Printing of Answer Booklets ? Conduction of Internal And External Examinations ? Invigilation Duties Allotment For Both Internal External Examinations ? Seating Plan Allotment for Both Internal External Examinations ? Printing of Award Lists and Attendance Sheets for Lab External Examinations ? Day/Session Wise D-Forms Generation ? Bundle Numbers Dynamic Keys Generation for Digital

Valuation ? Scanning of Answer Scripts ? Setting of Answer Scripts Path for Digital Valuation ? Creation of Evaluators Login Details ? Course Allotment and Bundle Allotment For Scrutiny ? Course Allotment for Admin ? Result Processing and Raw Checklist ? T-Sheets Printing For Verification of Internal and External Marks ? Results Final Report ? Declaration of Results ? Send SMS to the Student Parents Mobile Numbers ? Result Analysis ? REGISTRATION FOR Revaluation Re-correction. ? Printing of Grade Sheet ? Printing of PC and CMM With QR Code and High Security Features Refer :https://mrecwexamcell.com/BEESERP/Login.aspx

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	Y.MADAN REDDY	One Week FDP on "Machine Learning Deep Learning",Malla Reddy College of Engineering and Technology,	MRECW	1000
2018	Mr. S.SATYA NAGENDRA	Faculty Development Programme on "Mathematics for Engineering Research" NIT, Warangal	MRECW	2000
2018	Dr. ANANDHARAJAN	One week workshop under Faculty Development Program on "VLSI Design Verification and Test" NIT Warangal, in association with E ICT Academies of MNIT Jaipur, NIT Warangal and IIT Guwahati	MRECW	2000
		View File		

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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	4TH INTERNATIONAL CONFERENCE ON Signal Processing Communications and System Design(ICSPCOMSD2019)	4TH INTERNATIONAL CONFERENCE ON Signal Processing Communications and System Design(ICSPCOMSD2019)	08/02/2019	09/02/2019	45	6
2019	4TH INTERNATIONAL CONFERENCE ON Technical Advancements in Computer Science and Engineering (ICTACSE2019)	4TH INTERNATIONAL CONFERENCE ON Technical Advancements in Computer Science and Engineering (ICTACSE2019)	08/02/2019	09/02/2019	65	8
2019	4TH INTERNATIONAL CONFERENCE ON Emerging Trends in Electrical Systems Engineering (ICETESE2019)	4TH INTERNATIONAL CONFERENCE ON Emerging Trends in Electrical Systems Engineering (ICETESE2019)	08/02/2019	09/02/2019	15	2
2019	4 TH INTERNATIONAL CONFERENCE ON EMERGING STRATEGIES FOR BUSINESS ADVANCEMENTS (ICESBA 2019)	4 TH INTERNATIONAL CONFERENCE ON EMERGING STRATEGIES FOR BUSINESS ADVANCEMENTS (ICESBA 2019)	08/02/2019	09/02/2019	12	2
2019	A Faculty De	A Faculty De	12/04/2019	15/04/2019	156	36

	velopment Program on Research M ethodlogie sApproache s Analysis Organized by MRECW	velopment Program on Research M ethodlogie sApproache s Analysis Organized by MRECW				

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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
4TH INTERNATIONAL CONFERENCE ON Signal Processing Communications and System Desi gn(ICSPCOMSD201 9)	51	08/02/2019	09/02/2019	2
4TH INTERNATIONAL CONFERENCE ON Technical Advancements in Computer Science and Engineering (ICTACSE2019)	63	08/02/2019	09/02/2019	2
4TH INTERNATIONAL CONFERENCE ON Emerging Trends in Electrical Systems Engineering (ICETESE2019)	16	08/02/2019	09/02/2019	2
4 TH INTERNATIONAL CONFERENCE ON EMERGING STRATEGIES FOR BUSINESS ADVANCEMENTS (ICESBA 2019)	13	08/02/2019	09/02/2019	2
A Faculty Development Program on Research Methodlogies	173	12/04/2019	15/04/2019	3

Approaches AnalysisOrganized by MRECW				
One Week Faculty Development Programme on Teaching Methods	152	12/12/2018	18/12/2018	6
Faculty Development Program on Effective Teaching Techniques	176	19/12/2018	20/12/2018	2
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
195	195	46	46

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
SubsidisedTransportation and FreeTransportation duringbeyond working hours,Gymnasium, Yoga withMeditation hall, PurifiedMineral water across the campus, Health Centre with appointed Doctor	Group Medical Health Insurance, SubsidisedTransportation and FreeTransportation duringbeyond working hours,Gymnasium, Yoga withMeditation hall, PurifiedMineral water across the campus, Health Centre with appointed doctor	Subsidised Transportation and FreeTransportation during beyond workinghours, Gymnasium, Yoga with Meditationhall, Purified Mineral water across thecampus, Health Centre, Canteen Servicewith subsidised Rates, Aid for theStudents Participating in overseas conference, Arrangement of bicycles to move in the Campus

6.4 – Financial Management and Resource Mobilization

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

The institution has a well structured Finance, Budget and Procurement Committee which monitorsthe effective and efficient use of available financial resources for the infrastructuraldevelopment and teaching learning process, helping the institution in overall growth. Thiscommittee constituted by the Principal, Administrative Officer, Heads Directors of the variousDepartments and Cells, estimates the probable inflows and outflows for the institution andformulates the budget estimates for construction and for department-wise purchase of labequipments, consumables non-consumables and proposes the budget to the Institutional GoverningBody, constituted by the Management Society Nominee, Government Nominee, UGC Nominee,University Nominee, Industry Nominee, Principal and Academic personnel for approval. Theapproved Budget proposal is effective thereafter. Annual Internal auditing is conducted bypersonnel from Malla Reddy Educational Society, who would verify the income expendituredetails, by

examining the financial statements, budget proposals, fee collection, scholarshipamount, salary payments, tax, purchase of laboratory equipment, library expenses, furniture,building infrastructure, maintenance, receipts, bills, vouchers and all supporting documentsfor the year. After scrutiny, the Internal Auditors may advice for any possible improvement ifnecessary. External auditing is done annually by professional Chartered Accountants. ThisExternal Audit Committee visits the college for the purpose of verification of incomeexpenditure details, which includes the Balance sheet with liabilities like General Fund,Secured loans, Sundry creditors, Other current liabilities, Unsecured loans and Assets likeFixed assets, Deposits, Purchase advances, Other current assets, Cash Bank balances and Intertransfer payments. The committee will authorize the income expenditure account for theparticular financial year after scrutiny.

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
pantech	100000	robotics certification training

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6.4.3 – Total corpus fund generated

20000000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NBA	Yes	MOCK NBA
Administrative	Yes	NBA	Yes	Malla Reddy Educational Society

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

In every semester, after first mid Exams the department wise Parent Teachers Association Meetings are conducted. • Academic performance is analyzed and suggested to take the necessary steps to improve the performance of the students. • Discussion on discipline and ethical values followed by students and given suggestions for the improvement of the same.

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

Skill Development Programmes/Training / workshops/seminars are conducted. Academic / studyleaves are granted to encourage higher education. Financial support is provided to the stafffor acquiring higher qualification

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

UGC Autonomous status for 10 years. Renewed Accredition by NBA, AICTE, New Delhi Establishment of MHRD Institute Innovation Cell in association with IIC, MHRD, Govt. of. India Patents Published a. Smart Door Locking System(Application No: 201841018860, Published Date: 01-06-2018) b. A Vehicle with Smart Biometric Device(Application No: 201841019142, Published Date: 01-06-2018) c. System To Generate Electricity By Establishing A Direct Connection With Transmission Network (Application No: 201841019169, Published

Date: 01-06-2018) d. Function Generator To Generate A Plurality Of Electrical Waveforms (Application No: 201841019200, Published Date: 01-06-2018) e. Washbowl from E-Waste Materials(Application No: 201841029579, Published Date: 17-08-2018) To promote innovations the following Hackathons are initiated: ? Safe Women Hackathon -2019 in Association with JHUB Hackathon League, JNTUH on 11th 12th January,2019. ? Software Hackathon Exhibition - 2018 Organizing under CSI student chapter on 6th October, 2018. Established BOT Lab for Robotics Process Automation Certification in association with Automation Anywhere Inc. Established Robotics-Centre of Excellence. Establishment of Basketball court as part of Outdoor Games. Gym improvised with additional equipment.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
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	FUTURE SASTRA 2K19 National Level Technical Symposium under IEEE,ISTE,CSI IETE student Chapters	08/01/2019	08/01/2019	09/01/2019	2367
2019	4TH INTERNATIONAL CONFERENCE ON Signal Processing Communications and System Design (ICSPCOMSD2019)	08/02/2019	08/02/2019	09/02/2019	64
2019	4TH INTERNATIONAL CONFERENCE ON Technical Advancements in Computer Science and Engineering (ICTACSE2019)	08/02/2019	08/02/2019	09/02/2019	82
2019	4TH INTERNATIONAL CONFERENCE ON Emerging Trends in	08/02/2019	08/02/2019	09/02/2019	48

| 2019 | 4 TH INTER NATIONAL CONFERENCE ON EMERGING STRATEGIES FOR BUSINESS ADVANCEMENTS (ICESBA 2019) | 08/02/2019 | 08/02/2019 | 09/02/2019 | 96 |

Electrical Systems Engineering (ICETESE2019)

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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
Role play- womens day celebrations	07/03/2019	08/03/2019	1456	Nill
Gender Sensitization oral presentation by our English Faculty	08/08/2018	08/08/2018	600	Nill
Short films to create awareness about Gender Equity	07/03/2019	08/03/2019	1256	Nill
Poster Presentation on women empowerment	06/03/2019	08/03/2019	1456	Nill

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

Percentage of power requirement of the University met by the renewable energy sources : 30 ? MRECW strictly abides green protocol. All programs conducted in college is in accordance with green protocol and in accordance with a view to create environmental consciousness in students and staff. ? Our institution taking serious initiatives to reduce fluid wastes to avoid water scarcity inside the campus. The traded water is used for gardening and flushing purpose. Rainwater harvesting is another important initiatives taken by the management and student to save rain water. ? The Institute provides various means to educate or aware the studentson Climate Change and Environmental science as one of the subject in the I year itself. ? Institute has dedicated environmental

society which is basically an ECO club which is associated with NSS UNITof students that organizes many events and aims at promoting and increasing environmental consciousness, awareness and responsibility amongst the Institute youth and the populace. ? Dustbins are installed at various positions and cleanliness is maintained. Conscious efforts are made to switch off lights and fans when not in use, to save energy. ? The institute has installed solar panels for supplementing the need of power supply to the hostel, Street lights and in EEE department Lab. ? As a part of SWACHHA BHARATH MISSION of Govt. of India, college initiated Cleanliness program among students and staff. ? International Yoga Day Celebrations @MRECW on 21st JUNE. 2018. ? The New plantation of trees on 25th August 2018 in GO GREEN Program under MRECW ECO Club which is associated with NSS UNIT. ? The college maintains beautiful garden of decorative plants . Many trees have been planted in the campus. ? College has a well maintained botanical garden with 10 of total plants are related to variety of meditation plants. ? In our institution the staff and students are having good environmental consciousness, hence they are maintaining at least two plants within each class room and staff room.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	3
Rest Rooms	Yes	6
Ramp/Rails	Yes	2

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	14/02/2019	1	Personality Development Programme to students of Govt High School Medchal by MRECW faculty	1	245
2018	1	1	10/08/2019	1	awareness on Cleanliness at maisamma guda	1	56
2018	1	1	21/09/2019	1	Donate books and pens to Maisamma	1	78

2018	1	1	13/07/2018	1	adopted two orphan Children at bahadurpally	1	1400
2019	1	1	23/03/2019	1	Dental check up	1	1236

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
code of conduct to student Counselor	02/07/2018	Maintaining counseling register for the allotted 20 students properly fromtime to time with neat handwriting. ? Counseling includes regular recordof student attendance, performance, activities and results along withconstant guidance and motivation to the students in academics as well asco-curricular and extracurricular activities. ? Daily student attendanceto be monitored in the first hour followed by necessary action. ? Constantrapport to be maintained with the students. ? Slow learners typicalcandidates to be identified and given proper guidance. ? Counseling shouldbe done once in every 15 days from Monday to Wednesday.The report to besubmitted on Thursday to class teachers which would be further forwardedto counseling year incharges and then to over all incharges. ? Counselingreport should be written on a separate paper. It should contain all thecounseling proceedings for each

			individual student. ? Once every month, asper stipulated dates meet overall Counseling incharge explain progress ofindividual student. ? Students will be enquired regularly aboutcounseling. Any deviation will be viewed seriously. ? As counselingincharge, you are totally responsible for the progress performance of your 20 students in all aspects. So closely monitor them give them constant guidance heartfully.
MRECW-code ofconduct to Parents	02/07/2018		In the process of moulding our students into world class, globallycompetent Engineers we request all the parents to extend whole heartedsupport to us. Three quotients are major requirements for any individualin the present day Intelligence Quotient Social Quotient EmotionalQuotient Intelligence Quotient and Social Quotient can be developed by thecollege through academics, various trainings and activities to improveinterpersonal skills. In the case of emotional quotient, parents arerequested to be more responsible and to support in moulding the student'sbehavior, like Emotional Balance and Anger Management. Frequently find outfrom the child and the class teacher about the current happenings at thecollege and see that the student is actively involved in all activities.Frequently be in contact with class teacher, counselor and HOD. Pleaserespond when needed and support for

			smooth transformation of student intobest individual and professional. Monitor whether the student is sincerelylistening to the classes and not wasting time with any other distractionsduring the class time. Send the student regularly to the classes when theclasses commence through offline. Inculcate positive thinking in the childabout the family, relatives and the society and build good hope in them tolead a great life. Support teachers in helping the students to controlnegative emotions.
MRECW-code of conduct to students	02/07/2018		All the students are advised to follow the below code of conducts:Maintain Academic Discipline and Self Discipline. Maintain regularity foronline classes and also for offline physical classes in future. Attend andlisten to all classes seriously. Do not misuse the class time with otherdistractions. Do not waste time with social media. Perform well inAssignments, Tutorials and continuous assessments. Participate in all theactivities organized by the college and improve your skill set. Follow allthe instructions and advices of the counselors, class teacher and HOD's.Respect teachers and elders. Maintain Decent dress code. Short tops andsleeveless tops are not allowed. Always think positive and maintain good smile
MRECW-Code of Conduct to Teacher	02/07/2018		Maintain course file with Lesson Plan, Notes,

Individual Time table andClass Timetable. 2. Prepare Lesson Plan according to number of working days and follow it. 3. Prepare digital notes effectively and see that itis in accordance with syllabus. 4. Maintain punctuality to class – 5minutes before time. 5. Student attendance should be marked in theattendance registers before starting the Lecture. 6. Prepare each everyaspect of the lecture well before the delivery of the lecture. 7. Link thetopic with the previous knowledge of the students. 8. Develop use therelevant teaching aids. 9. Use a combination of different methodstechniques of teaching. Especially with real time applications. 10.Interact with the students to induce curiosity, motivate and provokethinking, imagination and application of the concept taught. 11. Givea ctivity/application-based work/assignment beyond the book, with guidanceto use various resources and keep a record of the work given. 12. Tutorialclasses should be used effectively. 13. Maintain discipline in and aroundthe classroom corridors. 14. Teachers should maintain a decent formaldress code – Ladies in Sarees Gents in Blazers or Tie. 15. Create alearning environment for the students by decorating the class rooms withnoble work of great personalities to inspire the students. 16. LabIncharges should be

		responsible for all lab activities. 17. Attendanceregisters should be signed by concerned HOD/Year Incharges (Professors)every weekend.
Human Values Professional Ethics course added in B.Tech Programme	02/07/2018	Human Values Professional Ethics course added in B.Tech Programme

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Personality Development Programme to students of Govt High School Medchal by MRECW faculty	14/02/2019	14/02/2019	245
Indepence day Celebrations-inculcate the thoughts of patriotism	14/08/2018	15/08/2018	150
Human Values Professional Ethics Course Integrated with theCurriculum with the designed syllabus	02/07/2018	30/04/2019	600
Republic Day Celebrations-patriotic songs competitions	25/01/2019	26/01/2019	243
awareness on Cleanliness at maisamma guda	10/08/2018	10/08/2018	156
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Percentage of power requirement of the University met by the renewable energy sources : 30 ? MRECW strictly abides green protocol. All programs conducted in college is in accordance with green protocol and in accordance with a view to create environmental consciousness in students and staff. ? Our institution taking serious initiatives to reduce fluid wastes to avoid water scarcity inside the campus. The traded water is used for gardening and flushing purpose. Rainwater harvesting is another important initiatives taken by the management and student to save rain water. ? The Institute provides various means to educate or aware the studentson Climate Change and Environmental science as one of the subject in the I year itself. ? Institute has dedicated environmental society which is basically an ECO club which is associated with NSS UNITof students that organizes many events and aims at promoting and increasing environmental consciousness, awareness and responsibility amongst the Institute

youth and the populace. ? Dustbins are installed at various positions and cleanliness is maintained. Conscious efforts are made to switch off lights and fans when not in use, to save energy. ? The institute has installed solar panels for supplementing the need of power supply to the hostel, Street lights and in EEE department Lab. ? As a part of SWACHHA BHARATH MISSION of Govt. of India, college initiated Cleanlinessprogram among students and staff. ? International YogaDay Celebrations@MRECW on 21st JUNE. 2018. ? The New plantation of trees on 25th August 2018 in GO GREEN Program under MRECW ECO Club which is associated with NSS UNIT. ? The college maintains beautiful garden of decorative plants and a vast lawn for the cricket ground. Many trees have been planted in the campus. ? College has a well maintained botanical garden with 10 of total plants are related to variety of meditation plants. ? In our institution the staff and students are having good environmental consciousness, hence they are maintaining at least two plants within each class room and staff room.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice-1: Value added Certification Courses. Best Practice-2: Application oriented Teaching, Project Based Training, Multi mode Teaching Practice in all classrooms, Remedial classes and Question Banks. Best Practice-1: 1. Title of the Practice: Value added Certification Courses. 2. Goal: The main goal of the institution is to bridge the gap between the industry academia and make the students industry ready. For this, the college is offering Value Added Certification courses like CISCO, Microsoft, JAVA, Pearson(LSWR skills),OXFORD achievers Certificatioin and Business English Certification (BEC). In the present day scenario, these add on certification courses are essential for enhancing the technical skills of the students. These additional technical courses play a vital role in motivating the students towards higher education. So, MRECW has initiated this innovative measure to enrich the students to perfectly match the industry requirements and be ahead of their competitors. 3. The Context: Cisco certification is being offered through Cisco Networking Academy, Microsoft Certification through Microsoft Innovation Center-MRECW is Telangana A.P's first women's campus to establish an authorized Microsoft Innovation Centre, Java Certification through Oracle Corporation of India and BEC is offered through Cambridge University, U.K. For each one of these certification courses computer labs with Audio Video facilities are required. So, exclusive labs for CISCO, Microsoft, Java,Pearson, BEC certification are available with 60 systems having audio-video facility. Students are divided into batches and planning for these certification training programmes is done meticulously and conducted after the college hours during vacation, so that every student completes these certification courses by the end of the four years of B.TechProgramme. 4. The Practice: Business English Certification (BEC) training is provided throughout the B.Tech II yr for two periods every week by external and internal professional trainers. The students are then sent for the BEC examination conducted by the Cambridge University U.K. Two of our English faculty members are also authorized official examiners of BEC, so the training is given effectively. Cisco certification is offered through CISCO Networking Academy. The training for this is given in Modules. It consists of totally four modules. Each module consists of 11 chapters. After training in each chapter of the module, a test is conducted and finally for students who complete all the 11 tests, the final module test is conducted. The procedure is same for all modules. The Cisco training classes are conducted from the II year B.Tech level, after the college hours every day for the hostlers and during the vacation for the day scholars. 2. The CiscoPythonCertificationcompleted forII,IIIandIVYearStudents and CiscoLinuxCertificationforIVYearStudents. MRECW is an authorised Microsoft

Innovation Centre. 1st Women's campus in INDIA. Microsoft certification is offered through this centre by Microsoft Corporation India. Microsoft Training is given during the III year B.Tech for 12 days continuously and examination is conducted in which the students have to develop Apps on their own. Yapponprogramme, which is a 24 hour continuous coding program is also organized after Microsoft training for which the students are given Yappon Certification. All third year students are Microsoft certified and many of them have also won prizes for developing Apps. MRECW is an authorized Oracle Academic Partner, in association with Oracle Corporation India which offers JAVA certification. Great care is taken by the institution in planning these certification programmes from the 2nd year B.Tech, so that there is no overlapping and all the certifications are completed successfully by the final year B.Tech. The training sessions are planned after the college working hours and during the vacations with the support of the students and faculty, so that the regular class work is not disturbed. 5. Evidence of Success: The value added certification courses are Add on programmes, which enrich the profiles of the students. They are also being helpful in improving the technical and presentation skills of the students. This is clearly evident with the great success achieved in placements this year. As a part of the certification training, the students are made to develop Apps and projects on their own, which is giving them a lot of confidence and many of the students now feel that they can lead successful careers on their own as Real Time Project Developers. 6. Problems encountered and Resources Required: The few problems encountered are like the extra time which is needed for the trainings without disturbing the classwork. This has been planned after the college working hours for the hostellers and during the vacations for the day scholars with the support of the students and the concerned faculty. The training programmes have to be meticulously planned for the smooth completion of all the certification courses and this is being taken care of by the Training Placement Cell. Best Practice:2 1. Title of the Practice: Application oriented teaching, project based training, Multi mode teaching practice in all classrooms, Remedial classes and Question Banks. 2. Goal: The Institution aims at transforming the students into technically advanced engineers, through comprehensive education by application oriented teaching and project based training to provide hands on experience and practical knowledge in their relevant technical fields. The institution aspires to instill scientific zeal and develop skilled human resource to contemporary challenges. 3. The Context: To provide application oriented teaching and project based training and to prepare question banks, and Lab Manuals expertise faculty members are required. To facilitate multimode teaching practice, LCD projectors are required in all classrooms. 4. The Practice: Expertise faculty members are available to provide application oriented teaching by connecting theoretical subject content with the areas of real time applications. Project based training is given in all streams of engineering. The students are provided knowledge on the equipment and the related technology required to develop projects on their own in the latest advancements in their relevant fields of technology. This is a regular practice in every semester. Lab manuals are designed by the faculty for every lab which contain all the experiments according to the Autonomous syllabus (I year of UG PG), JNTU syllabus (II, III IV years of UG) and also at least two additional subject-relevant experiments for extra knowledge. These Lab manuals are distributed to the students. The faculty also prepare question banks for every subject, which contain all important questions from each unit as per the syllabus. LCD projectors are available in every classroom, so that the Teaching-Learning activity is done more effectively. Remedial classes are organized every day for one period after the regular college working hours and more actively before the supplementary exams for the students with backlogs. 5. Evidence of Success: With the help of Application oriented teaching, the students are able to understand the subject better. Through Project based training programmes, the students' technical

knowledge and skills have increased. The LCD projectors are helping the students to easily grasp the subject knowledge with interest. The Remedial classes and question banks are directly helping in increasing the pass percentage of the students in the university examinations. 6. Problems Encountered and Resources Required: LCD projectors are required for every classroom which are made available with the support of the management. Expertise faculty are required for application oriented teaching and project based training and to design Lab manuals and question banks. With the management's support the necessary expert faculty have been recruited. As the remedial classes are conducted after the college working hours, the necessary students are requested to stay back and avail the opportunity.

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

http://mallareddyecw.com/bestpractices.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

Institution Innovation Cell: Technology Business Incubation (TBI), activities towards successful Business Startups by students. Technology Business Incubation Centers to develop world class, globally competent technocrats and to promote startups. The College has MOUs with MSME Toolroom, CITD, Hyderabad, IBM, Tech Mahindra and Red hat Academy for encouraging entrepreneurship, Technology Exchange Programmes and Placements. MRECW students are participated in various state level and National level Hackathon programs. ? MRECW student B.Likhitheswariparticipated in IBC Hackathon-2018, conducted by Hexagon Capability Center, India (HCCI) with idea on "Criminal Records through Block Chain" on 27-10-2018 28-10-2018 andgot cash prize Rs.25,000/- for the idea presentation. ? MRECW studentsB.Likhitheswari participated in Startup India TelanganaYatra-2018, conducted by BV Raju Institute of Technology with idea on "ODORACT" on 04-10-2018 and got III Prizefor the idea presentation. ? MRECW students K.Sathvika,G.Sowmya , kavya participated in J-HUB Hackathon League, conducted by Sreenidhi institute of Sceince and Technology on 8th February,2019 and got III Prize for the idea presentation. ? MRECW students B.Likhitheswari, Ch.Bhanuja,A.sowmyaparticipated in J-HUB Hackathon League, conducted by CVSR College of Engineering on 22nd December,2018and got I Prize for the idea presentation. ? MRECW studentsB.Likhitheswari participated in Startup India TelanganaYatra-2018, conducted by CVSR College of Engineering during21st -22nd Dec,2018and got cash prize Rs.10,000/- for the idea presentation on Agri-tech rural development. ? MRECW students M.Saisreeja, T.sathya shanti, V.LaxmiPrathyooshaparticipated in J-HUBSafe Women Hackathon Leagueconducted by Malla Reddy Engineering College for Women with idea on "Hkiller" during 11th 12th January,2019and got I Prize for the idea presentation. ? MRECW students K.Vijaya Lakshmi, O.N.Namratha, Tejaswiniparticipated in J-HUBSafe Women Hackathon League conducted by Malla Reddy Engineering College for Women with idea on "Kasam" during 11th 12th January,2019 and got II Prize for the idea presentation. University Gold medal: The student of MRECW securing Gold Medal in the university examinations conducted by JNTUH. 1. JNTUH University Gold Medal on ""Best outgoing student of M.B.A. out of all affiliated Colleges"" by Ms. SAIPETA MOUNIKA (16RH1E0047). Refer http://www.mallareddyecw.com/gold.pdf Internships: Fourtynine IIIB.Tech students are selected for Internship in Internashala and 10 students got in BSNL,5 students got in BHEL and more students did Internship in private organizations etc.Twelve students received excellence award from Education matters. Achievements of the institution: ? Ranked 6th in CSR-2019. ? Top 100 Ranking-ARIIA-2019,MHRD,Govt.of India ? "Best College of the year-2019 " by Education Matters. Patents: Our Faculty Team

attained Patent Right for their Technological Innovations. ? Dr.Y.MadhaveeLatha ,Principal, MRECW @all. Published patent on "A Vehicle with Smart Biometric Device " on 01-06-2018. ? Dr.Y.MadhaveeLatha ,Principal, MRECW @all. Published patent on "System To Generate Electricity By Establishing A Direct Connection With Transmission Network" on 01-06-2018. ? Dr.Y.MadhaveeLatha ,Principal, MRECW @all. Published patent on "Smart Door Locking System" on 01-06-2018. ? Dr.Y.MadhaveeLatha ,Principal, MRECW @all. Published patent on "Function Generator To Generate A Plurality Of Electrical Waveforms" on 01-06-2018. ? Dr. P. ManikandanProfessor, Dept.of CSE.Published patent on "Washbowl from E-Waste Materials" on 17-08-2018.

Provide the weblink of the institution
http://www.mallareddyecw.com/PDFs/IDR/18-19.pdf

8.Future Plans of Actions for Next Academic Year

• Planning to organize International Conferences in four departments. • Planned for establishment new MOUs from India Matters Foundation, Cisco Networking Academy, Aspiringminds, Amphisoft Technologies, Cocubes, Lamp It Solutions and Data Hill. • Planning to publish and apply for grants- innovative product developed by faculty. • Planning to increase research projects from government and Non-government funding agencies. • Planning to apply get approval from MSME, New Delhi, Govt.of India to recognize as Host Institution for Business Incubation. • Planning to Establish Technical Clubs under Recent Trends like Artificial Intelligence Machine Learning, Python, Data Science, Amazon Web Services, Java and RoboticsIOT. • Planning to introduce advanced subjects in UG curriculum as electives to meet the requirements of the Industry. • Planning to construct a new hostel building. • Completion of New Auditorium with 1600 capacity and Mini Auditorium with 200 capacity. • Planning to conduct National Hackathon Programmes under Entrepreneurship Development Cell. • Planning to increase intake in the field of Information Technology. • Planning to organize FDP related to research Orientation. • Panning Introduced New Certification Courses in association with IBM, TCS-ION and International Certification courses. • Planning to organize Value Added Certification Courses like Cisco-CCNA, Cisco-C, Cisco-Python, Cisco-Linux, MTA Certification through Microsoft Innovation Center, Robotics Certifications, Java SE programmer profession(JCP) certification through Oracle Academy, Mock interviews, Campus Recruitment Training (CRT) programs and Finishing School Training on various Technologies like Robotics, IOT AI/ML and Linux Programming and Block chain Technologies under Training and Placement Cell. • Planning to organize Education Fairs and awareness Programms on Higher studies under Global Education Career Guidance Cell. • Planning to organize Personality Development Programs by Dr BV Pattabhiram World renowned Psychiatrist,Prof M L Sai Kumar Former Dean Academics IPE Prof of CSE and Mr Manash Mishra, under Centre for Human Excellence • Planning for internships, industry visits under industry Institiute Partnership Cell • Planning to organize Go-Green, Anti Plastic Awareness Programme, Computer Education Program for School Children and Dental camp under NSS Unit. • Planning to organize State Level Sports Meet TECHTROPHY. • Planning to organize National Level Technical Symposium -FUTURE SASTRA and State Level Technical Symposium -MEDHA under IEEE,CSI,ISTE,IETE and HMA Student Chapters. • Planning to organize Extra Curricular Activities VIJAYOTSHAV -ANNUAL DAY CELEBRATIONS, TARANG-CULTURAL FEST, ESPERANZA- Interaction Day Celebrations and Musical Shows.