



Yearly Status Report - 2017-2018

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																									
Affiliated / Constituent	Affiliated																								
Type of Institution	Women																								
Location	Rural																								
Financial Status	Self financed																								
Name of the IQAC co-ordinator/Director	Dr.N.Sree Kanth																								
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/16-17.pdf																								
4. Whether Academic Calendar prepared during the year	Yes																								
if yes,whether it is uploaded in the institutional website: Weblink :	http://mallareddyecw.com/jntuacademic_calenders.html																								
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.05</td> <td>2014</td> <td>24-Sep-2014</td> <td>23-Sep-2019</td> </tr> <tr> <td>2</td> <td>A</td> <td>3.05</td> <td>2019</td> <td>13-Feb-2019</td> <td>23-Dec-2023</td> </tr> </tbody> </table>						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	23-Dec-2023
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	23-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
Faculty Development Programme on Cloud Computing in association with NITTTR, Chandigarh	23-Oct-2017 5	65
Faculty Development Programme on Open Source Technology in association with NITTTR, Chandigarh	13-Nov-2017 5	48
Faculty Development Programme on SCILAB Programming in association with NITTTR, Chandigarh	14-May-2018 5	55
AICTE Sponsored Two Week National Level Faculty Development Programme on Speech, Image & Video Processing Techniques, Analysis & Applications	06-Dec-2017 12	76

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
MRECW/ECE/Dr.Y. Madhavee Latha	AICTE(FDP)	AICTE	2017 12	616500

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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities

Yes

during the year?	
If yes, mention the amount	3236500
Year	2018

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

NIRF India Ranking 2018 Ministry of Human Resource Development, Government of India, All India Council for Technical Education Platinum Rated by AICTE CII Survey of Industry Linked Technical Institutes Ranked 7th among the Outstanding Engineering Colleges of Excellence CSR. Education Leadership Award Dewang Mehta National Education Awards, IPE AAA Rated by Careers 360 Magazine Career 360 Engineering College Survey College of the year 2017 Award from Silicon India

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

Plan of Action	Achievements/Outcomes
AICTE Sponsored Faculty Development Programme	AICTE Sponsored Two Week National Level Faculty Development Programme on Speech, Image Video Processing Techniques, Analysis Applications on 6th to 18th November, 2017
International Conferences	3rd International Conference on Signal Processing Communications and System Design(ICSPCOMSD-2018), 3rd International Conference on Technical Advancements in Computer Science and Engineering (ICTACSE2018), 3rd International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE2018), 3rd International Conference on Emerging Strategies for Business Advancements (ICESBA-2018) organized under Research & Development Cell on 2nd & 3rd February 2018.
Patent	1.An Arrangement for Cultivation in a Chamber Using Fuzzy Logic Wind Intelligence Technology(Application No: 201741043835, Published Date: 15-12-2017)
Publications	Faculty published and presented more than 330 research Papers in Scopus, UGC and reputed International/National Journals/Conferences.
Faculty Development Programmes	Faculty Development Programme on SCILAB Programming in association with NITTTR,

	<p>Chandigarh during 14th May to 18th May, 2018 ,Faculty Development Programme on Open Source Technology in association with NITTTR, Chandigarh during 23rd to 27th October, 2017, Faculty Development Programme on Cloud Computing in association with NITTTR, Chandigarh during 23rd to 27th October, 2017, Two Day workshop on Research Process Flow and Implementation Mechanism-A Thought Process during 10th & 11th May, 2018, Faculty Development Program on Innovative Methods for Effective Teaching conducted by Malla Reddy Engineering for Women on 13th December, 2017, Faculty Development Program on Application Oriented Teaching Methodologies from 3rd to 5th July, 2017, Faculty Development Programme on Robotics during 20th to 22nd November, 2017</p>
Value Added Certification Courses	<p>Cisco CCNA RS introduction to networks Certification, Cisco Programming essentials in C certification, Cisco CCNA routing and switching 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 Innovation Centre completed.</p>
Oxford, Business English Certification Courses	<p>Oxford Achievers Certification for II Year Students and Business English Certification by Cambridge University completed under Centre for Development of Communication Skills Cell</p>
Hackathons	<p>Software Hackathon for II & III year students on 16th to 21st February, 2018, Software Hackathon Expo. on 26th February, 2018, S/W HACKATHAN presentations for II year B.Tech Students on 27th January, 2018 completed Under Entrepreneurship Development Cell.</p>
Events under Entrepreneurship Development Cell	<p>Entrepreneurship orientation Programme by, Mr. Srinivas Rao NSIC on 11th October, 2017, Workshop on "Entrepreneur Orientation program" on 10th October 2017, Guest lecture on "WOMEN ENTREPRENEURSHIP EMPOWERMENT" by Dr.K.Sunitha Hyderabad on 15th September 2017, Business Plan</p>

Competition on 29th July, 2017, Guest lecture on "WOMEN ENTREPRENEURSHIP" by Dr. BrotoRauthBhardwaj head , Research & Entrepreneurship Development at BharathiVidyapeeth University Newdelhi on 22nd July 2017, Poster Presentation on Women Eminent personalities on 31st July, 2017 completed under Entrepreneurship Development Cell

Events under Carrier Guidance and Counselling Cell

Global Education & Career Guidance Programme For I B.Tech Students by Mr. STEPHEN GETCHELL & Ms. SOPHIE, LOS ANGELES, USA on 10th November, 2017, Core Job Opportunities and Higher Education Perspective in USA for III B.Tech Students under MRECW Career Guidance and Counselling Cell on 27th October, 2017, Core Job Opportunities and Higher Education Perspective in USA for III B.Tech Students under MRECW Career Guidance and Counselling Cell on 26th October, 2017, Information Session On Masters & PhD Program @ California State University, Long Beach, USA - Dr. Jeet Joshee, Associate Vice President and Dean, ICPE, California State University for IV B.Tech Students on 25th October, 2017, Guest Lecture on Career Orientation by Mr. Surya Narayana, Senior HR Manager, TCS on 26th July, 2017

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Body	02-Feb-2018

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

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2017

Date of Submission

30-Nov-2017

17. Does the Institution have Management Information System ?

Yes

<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>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. SMS 7. Utilities 8. Security</p>
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Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

The college meticulously develops action plans for effective implementation of the curriculum. At the outset, the advisory committee of the college conducts protracted meetings with the staff members of various department heads to develop various strategies for effective implementation of the curriculum. Teachers are encouraged beforehand to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits, computer education apart from regular/traditional teaching methods. Thereafter, the staff members of various teaching departments conduct their internal meetings and develop academic plans for the coming academic year. Keeping in view, the no. of working days available, the syllabus is divided into units which are to be finished by a given deadline. Each department of the college follows the academic calendar issued by the affiliating university. Lesson plans and course file are maintained by each faculty for their respective subjects allotted, which is reviewed on continuous basis by the review committee. Thereafter, the college plans the academic schedule as per the university calendar which includes the details like the topics to be taught and no. of working days allocated to respective topics, the amount of syllabus to be tested in various classes, by conducting mid-wise exams and end semester examinations. The curriculum prepared by the Jawaharlal Nehru Technological University, Hyderabad, to which the college is affiliated, is well transacted to the students after serious preparation as well as critical thought by the teachers concerned. Being an affiliated institution we are always in tune with the latest trends in education and guidelines. The Jawaharlal Nehru Technological University regularly organizes refresher courses, orientation programs and workshops to keep the knowledge and teaching aptitude of the teachers updated. The faculty of the college can discuss their issues or problems, if any, while participating in the meetings of the Board of Studies. The College also encourages the teachers to participate in the

Orientation/ Refresher Courses/ Workshops/ Seminars organized by the affiliating university to update the knowledge and to improve the teaching practices. The college bears all the expenditures of travelling including registration/ participation fee etc. The college provides sample books and other teaching and reference material like Journals, Magazines, Teaching Models and software's to enable its teachers to ensure effective delivery of curriculum. Every department organizes various faculty development Programmes for the benefit of staff members to participate and update the knowledge with latest emerging trends. our faculty published books,articles,topics in various Journals and Newsletters on Emerging Trends in the field of Engineering & Technology.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Cisco CCNA RS introduction to networks through Ciscos Networking Academy	0	03/07/2017	30	yes	yes
MTA Certification through Microsoft Innovative Centre	0	03/07/2017	30	yes	yes
Java SE programmer profession(JCP)	0	04/09/2017	30	yes	yes
Cisco Programming essentials in C through Ciscos Networking Academy	0	03/07/2017	30	yes	yes
Cisco CCNA routing and switching through Ciscos Networking Academy	0	03/07/2017	30	yes	yes
Business English Certification Training	0	03/07/2017	30	yes	yes
Cisco Programming essentials	0	03/07/2017	30	yes	yes

in C through Cisco Networking Academy Oxford Achievers Ce rtification	0	02/02/2018	30	yes	yes
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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	NIL	Nil
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Computer Science Engineering	03/07/2017
BTech	Electronics and Communication Engineering	03/07/2017
BTech	Electrical & Electronics Engineering	03/07/2017
BTech	Information Technology	03/07/2017
Mtech	Computer Science Engineering	04/09/2017
MBA	MBA	04/09/2017

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

	Certificate	Diploma Course
Number of Students	2050	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Cisco CCNA RS introduction to networks through Cisco Networking Academy	03/07/2017	600
Java SE programmer profession(JCP)	04/09/2017	8
MTA Certification through Microsoft Innovative Centre	03/03/2017	535
Cisco Programming essentials in C through Cisco Networking Academy	03/07/2017	568
Cisco CCNA routing and	03/07/2017	589

switching through Ciscos Networking Academy		
Business English Certification Training	03/07/2017	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	243
BTech	Electronics and Communication Engineering	255
BTech	Electrical & Electronics Engineering	70
BTech	Information Technology	56
Mtech	Computer Science Engineering	21
Mtech	Embedded Systems	16
MBA	MBA	59
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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
<p>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 :</p> <p>Student feedback :</p> <ul style="list-style-type: none"> • 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 below 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 refine 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
MBA	Master of Business Administration	60	90	60
Mtech	Computer science Engineering	24	16	16
BTech	Information Technology	60	346	60
BTech	Electrical & Electronics Engineering	60	264	60
BTech	Electronics and Communication Engineering	240	840	240
BTech	Computer science Engineering	240	1060	240

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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
2017	2484	172	207	20	227

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
227	227	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 totally 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
2656	227	1:12

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
227	227	Nil	17	26

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
2017	Dr.Y.Madhavee Latha	Principal	Women in Education Award
2018	Dr.Y.Madhavee Latha	Principal	Best Principal Award foe Excellence in Education
2017	Dr.Y.Madhavee Latha	Principal	Most Innovative P rincipal-Engineering Colleges in Telangana State
2018	Dr.Y.Madhavee Latha	Principal	Governing Body Member, MRCET
2018	Dr.C.V.P.R.Prasad	Professor	BOS Member, MRCET
2017	Dr A Jayachandran	Professor	Innovative technological research and Dedicated Professor Award
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	A	I/I	16/12/2017	24/02/2018
BTech	A	II/I	07/05/2018	21/06/2018
BTech	A	I/II	12/12/2017	09/02/2018
BTech	A	II/II	07/05/2018	21/06/2018
BTech	A	I/III	12/12/2017	15/02/2018
BTech	A	II/III	07/05/2018	21/06/2018
BTech	A	I/IV	12/12/2017	06/02/2018
BTech	A	II/IV	07/05/2017	21/05/2017
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The total evaluation will be done in combination of Internal and External basis. Procedures followed for Theory Exams during a semester, there shall be two mid-term examinations . Each mid-term examination consists of one objective paper, one descriptive paper and one assignment.. While the first mid-term examination shall be conducted on 50 of the syllabus, the second mid-term examination shall be conducted on the remaining 50 of the syllabus. Five marks are allocated for assignments. The first assignment should be submitted before

the conduct of the first midexamination, and the second assignment should be submitted before the conduct of the second mid-examination. The total marks secured by the student in each mid-term examination are evaluated for 25 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each student in internals. Along with CIE made for theory internals unit test Tutorials will be held after the completion of each unit. To improve their performance in each subject. Procedures followed for practical Exams For practical subjects there shall be a continuous internal evaluation during the semester for 25 sessional marks and 75 semester end examination marks. Out of the 25 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 15 marks and internal practical examination shall be evaluated for 10 marks conducted by the laboratory teacher concerned. For the subject having design and/or drawing, (such as engineering graphics, engineering drawing, machine drawing) and estimation, the distribution shall be 25 marks for continuous internal evaluation (15 marks for day-to-day work and 10 marks for internal tests) and 75 marks for semester end examination. There shall be two internal tests in a semester and the average of the two shall be considered for the award of marks for internal tests. There shall be an UG mini-project, in collaboration with an industry of their specialization. Students will register for this immediately after III year II semester examinations and pursue it during summer vacation. The UG mini-project shall be submitted in a report form and presented before the committee in IV year I semester. It shall be evaluated for 100 marks. The committee consists of an external examiner, Head of the Department, supervisor of the UG mini-project and a senior faculty member of the department. There shall be no internal marks for UG mini-project. There shall be a seminar presentation in IV year I semester for 100 marks . Out of a total of 100 marks for the UG major Project, 25 marks shall be allotted for internal evaluation and 75 marks for the end semester examination (viva voce). The end semester examination of the UG major Project shall be conducted by the same committee as appointed for the UG mini-project. In addition, the UG major Project supervisor shall also be included in the committee. The topics for UG mini project, seminar and UG major Project shall be different from one another.

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

The institute adheres to the Academic Calendar prepared according to the calendar provided by JNTU-Hyderabad University. Every year the institute and also a departments schedule the plan of activities for smooth functioning. This ensures that the curriculum is enriched through related activities like guest lectures, workshops, conferences, seminars and industry interaction. For the academic session academic calendar was prepared and followed for conduct of examination and other activities. Being an institute affiliated to JNTUH University, we follow the academic schedule provided by the university. Generally, the JNTUH University gives guidelines on the following in their academic schedule, Beginning of the academic sessions. Last working day of the semester. Mid-term examination schedule. Parent Teachers Meet End term theory and Practical examination schedule. Vacation schedule. The same academic calendar is published on institute's website before the beginning of every academic year. It provides plan for the academic year to students, teachers and parents. Considering the academic calendar, each department functions according to the teaching plan prepared at the department level.

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
E00	MBA	Master of Business Administration	55	49	89
D77	Mtech	VLSI	16	14	87
D55	Mtech	Embedded Systems	15	14	93
D05	Mtech	Computer Science	5	5	100
D58	Mtech	Computer Science and Engineering	21	20	98
A12	BTech	Information Technology	56	55	98
A02	BTech	Electrical and Electronics Engineering	70	66	92
A04	BTech	Electronics and Communication Engineering	255	219	85
A05	BTech	Computer Science and Engineering	244	207	84

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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/SSIOAC/17-18.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	365	BrainoVision	610000	610000
Industry sponsored Projects	365	Crystalline Infotech	500000	500000

Industry sponsored Projects	365	S V elecytrical Ltd	620000	620000
Industry sponsored Projects	365	Jay Robotics	520000	520000
Industry sponsored Projects	365	web cognize	370000	370000
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Entrepreneurship Development program on "How to Export " Presented by E-Cell, JNTUH CED,ALEAP at EDC,JNTUH CEH	EDC CELL	21/09/2017
Workshop on robotics for II ECE students	Electronics and Communication Engineering	18/01/2018
Workshop on robotics for II ECE students	Electronics and Communication Engineering	02/01/2018
Workshop on Python for II B.Tech Students	Computer science Engineering	07/10/2017
Workshop on" Entrepreneur Orientation program"	EDC CELL	10/10/2017
Guest lecture on "WOMEN ENTREPRENEURSHIP" by Dr.BrotoRauthBhardwaj head , Research Entrepreneurship Development at BharathiVidyapeeth University Newdelhi	EDC CELL	22/07/2017
Guest lecture on "WOMEN ENTREPRENEURSHIP EMPOWERMENT" by Dr.K.Sunitha Hyderabad	EDC CELL	15/09/2017
Robotics workshop for I B Tech students	Electronics and Communication Engineering	19/02/2018
Workshop on MATLAB for I B Tech students	Electronics and Communication Engineering	26/02/2018
Guest lecture on Technology of Intention and Emotion for B.Tech Students by Ms.Nain	EDC CELL	10/01/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
NIRF-India Ranking 2018	Malla Reddy Engineering College for Women	Ministry of Human Resource Development, Government of India, All India Council for Technical Education	03/04/2018	NIRF India Rankings 2018: Engineering
Platinum Rated by AICTE-CII Survey of Industry Linked Technical Institutes	Malla Reddy Engineering College for Women	Platinum Rated by AICTE-CII Survey of	18/05/2018	Industry Linked Technical Institutes
Ranked 7th among the Outstanding Engineering Colleges of Excellence - CSR.	Malla Reddy Engineering College for Women	Global Human Resource Development Centre	31/05/2018	Outstanding Engineering Colleges of Excellence
Education Leadership Award	Malla Reddy Engineering College for Women	Dewang Mehta National Education Awards, IPE	15/04/2017	Dewang Mehta National Education Awards
Best Principal Award for Excellence in Education	Dr. Y. Madhava Latha	Global Leader Foundation	23/02/2018	National Excellence Awards-2017, Global Leader Foundation
Best Engineering College in Telangana A.P Award	Malla Reddy Engineering College for Women	Times Cyber Media Pvt. Ltd	31/05/2017	International Education Awards
AAA Rated by Careers 360 Magazine	Malla Reddy Engineering College for Women	Career 360 Engineering College Survey	31/05/2018	Career 360 Engineering College Survey
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
0	0	0	0	0	Nil
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
10	2	7

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

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

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics Communications Engineering	41	6
International	Computer Science and Engineering	46	4
International	Information Technology	11	2
International	Electrical Electronics Engineering	18	6
International	Master of Business Administration	20	1

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

Department	Number of Publication
Electronics and Communication Engineering	54
Computer Science Engineering	51
Electrical and Electronics Engineering	14
Information Technology	12
Humanities Sciences	10
MBA	22

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Content Based Video Retrieval System Using Multiple	Dr. Y. MADHAVEE LATHA	International Journal of Pure and Applied Mathematics	2018	1	MRECW	4

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Content Based Video Retrieval System Using Multiple Features	Dr. Y. MADHAVEE LATHA	International Journal of Pure and Applied Mathematics	2018	28	4	Dept. of ECE, Malla Reddy Engineering College for Women, Dhulapally, Hyderabad
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	160	5	10	10
Attended/Seminars/Workshops	1	250	30	88
Resource persons	1	15	20	20
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Haritha Haram – Plantation Programme under MRECW NSS Unit Chief Guest Sri. Anurag Sharma, Direct General of Police, Telangana State Police Department	NSS	160	1800
Computer Education Programme for Gundlapochampally Government School Children	NSS	5	25
Personality Development Training Programme	NSS	10	20

For School Children			
Health Camp with free Medicines and Dental Camp	NSS	35	1400
Health Awareness Programme on Vitamin Nutritional Deficiencies- Identification Remedies for school children	NSS	25	600
Awareness programme on Organic Natural farming Cultivation technologies for farmers by Mrs. P. Shailaja Agricultural Officer	NSS	45	1500
Eye Donation Blood Donation pledge by school children	NSS	45	1500
Traffic Awareness Programme by Mr. Vinod Kumar, ACP, Traffic, Balanagar	NSS	45	1500
Survey cleanliness Campaign, Antiplastic Awareness/Waste Management Awareness	NSS	45	1500
NSS Special Programme at Adopted Village Gundlapochampally	NSS	175	1800
View File			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NSS Special Programme at Adopted Village Gundla pochampally	Appreciated by Gundlapochampally Sarpanch	Gundlapochampally sarpanch	1800
Computer Education Programme for Gundlapochampally	Appreciated by Headmaster, Govt. School Gundlapochampally	Headmaster, Govt. School Gundlapochampally	120

Government School Children			
Awareness and Champaign for Enrollment of Young Electros	Appreciated by Gundlapochampally Sarpanch	Gundlapochampally Sarpanch	100
Personality Development Training Programme For School Children,Maisamma Guda	Appreciated by Headmaster,Govt.School MaisammaGuda	Headmaster,Govt.School MaisammaGuda	100
View File			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Gender Equality	MRECW	Awareness on Gender Equality	5	1200
Haritha Haram	NSS	Haritha Haram - Plantation Programme under MRECW NSS Unit Chief Guest Sri.Anurag Sharma, Direct General of Police, Telangana State Police Department	160	1800
Plantation Programme	NSS	Go Green-Plantation Programme under MRECW NSS Unit	150	1950
cleanliness Antiplastic Awareness/Waste Management Awareness	NSS	cleanliness Campaign, Antiplastic Awareness/Waste Management Awareness	45	1500
View File				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
International Conferences	All faculty	MRECW	2
Research Project	Dr.V.Vijayaraja	Allinnov Research and Development Private Limited	730

Workshop on Research Process Flow and Implementation Mechanism-A Thought Process	All Faculty	MRECW	2
C Programming	Mr.V.Sundararatnam	MRCET	2
Python Programming	Mr.M.Srinivasula Reddy	BRAINOVISION SOLUTIONS (INDIA) PVT.LTD	6
Machine learning	Dr.T.R.V ANANDHARAJAN	MRCET	3
View File			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industry Institute Collaboration	Summer Product Engineering Workshop (EXCITE 2017)	J-HUB, JNTUH	17/05/2017	30/06/2017	9
Industry Institute Collaboration	Internship	Internshala	01/01/2018	30/05/2018	15
View File					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
IBM India Pvt.Ltd	10/07/2017	Projects, Internships, Trainings	300
International Technological University	01/06/2017	Student, Faculty and staff Scholoships Exchange, Career Counselling	100
View File			

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
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60000000

59159232

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Seminar Halls	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 partially)	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	21829	6791314	1096	535289	22925	7326603
Reference Books	3006	698243	217	52819	3223	751062
e-Books	5200	Nil	800	Nil	6000	Nil
Journals	1044	1472035	82	168150	1126	1640185
Library Automation	1	Nil	Nil	Nil	1	Nil
CD & Video	2225	Nil	50	Nil	2275	Nil
Digital Database	1	11500	Nil	Nil	1	11500
View File						

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
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Mr.M.Srinivasular eddy	Python Programming	Youtube	28/07/2017
V.Sundarratnam	Programming for Problem solving-(Learning Management Software)	Code Tantra Tool	27/09/2017
Ms.P.Shirisha	Java Programming-(Learning Management Software)	Code Tantra Tool	27/09/2018
View File			

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

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Auditoriums, Seminar halls, Computer Labs with Internet Connection, Smart Class Rooms, Two Advanced English Communication Skills Laboratories, Multimedia Multimedia Labs, HOD Conference Rooms	http://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 incurred on maintenance of physical facilities
19000000	18673158	44000000	43992804

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

The 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 Governing Body. ? 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 are more than the guidelines of AICTE.

Computers, Internet service, browsing centre is maintained by system administrator and IT facility 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

<http://mallareddyecw.com/infrastructure.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 SCHOLORSHIP	3	25000
Financial Support from Other Sources			
a) National	central govt , Post metric scholar ship(SC),state govt merit scholarship,aicte scholarship	1367	50700000

b)International	0	Nil	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Personality Development Programme by Dr. B. V. Pattabhiram, World Renowned Psychologist Motivational Speaker for I-B.Tech Students	10/10/2017	600	Dr. B. V. Pattabhiram
INSPIRATIONAL LECTURE BY SRI SRI Tridandi Ramanuja Chinna Jeeyar Swamiji B.Tech Students	02/11/2018	600	Tridandi Ramanuja Chinna Jeeyar Swamiji
Spiritual Development Programme Meditation by Mrs.K.Sailaja Rao Mrs. Padma Rani	17/02/2018	600	Mrs.K.Sailaja Rao Mrs. Padma Rani
Essay Writing Competition on "Role of Women in Society Today" "Tips for Women Safety"	06/03/2018	600	MRECW
Essay Writing Competition on "Contribution of Engineers to the Society" for all students	11/09/2017	600	MRECW
CRT Training for II Year Students	19/02/2018	600	Time Institute
Certification Programme on Business English Certification, UK Training II Year students	21/02/2018	600	Business English Certification, MRECW
One week BEC training by FACE Academy	18/12/2017	600	FACE Training
Oxford achiever training by FACE	09/03/2018	600	FACE Training

academy			
CRT Training Programme by Face for II Year B.Tech Students	28/07/2017	600	Talent Sprint
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2017	Global Education Career Guidance Programme For I B.Tech Students by Mr. STEPHEN GETCHELL, Ms. SOPHIE, LOS ANGELES, USA	569	569	30	30
2017	Core Job Opportunities and Higher Education Perspective in USA for IV B.Tech Students under MRECW Career Guidance and Counselling Cell	545	545	30	30
2017	Placement based training Programme on "IBM(GBS)" for IV B.Tech Student	565	565	555	555
2017	Information Session On Masters & PhD Program @ California State University, Long Be	565	565	30	30

	ach,USA- Dr.Jeet Josh ee,Associate Vice President and Dean,ICP E,Claifornia State University for IV B.Tech Students				
2017	CRT Training Programme by TalentSprint for IV B.Tech Students	563	563	555	555
2017	Guest Lecture on Career Orientation by Mr. Surya Narayana, Senior HR Manager, TCS	565	565	555	555
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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
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
11	625	526	2	50	29
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	B.Tech	Information Technology	woxsen school of business	MBA
2018	1	B.Tech		New York	MBA

			Electronics and Communication engineering	Institute of Technology	
2018	1	B.Tech	Computer Science Engineering	Texas A&M University	MS
2018	1	B.Tech	Electrical & Electronics Engineerin	Texas A&M University	MS
2018	1	B.Tech	Electronics and Communication engineering	Texas A&M University	MS
2017	1	B.Tech	Computer Science Engineering	University of Central Missouri, USA	MS
2018	1	B.Tech	Computer Science Engineering	LAKEHEAD UNIVERSITY	MS
2018	1	B.Tech	Electronics and Communication engineering	melbourne university	MS
2018	2	B.Tech	Computer Science Engineering	CARLTON UNIVERSITY	MS
2018	3	B.Tech	Information Technology	western illinois university	MS
View File					

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	30
TOFEL	20
GMAT	2
GATE	13
Any Other	9
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Gurupranam-2K18	Institution Level	600
Women's Day Celebrations.	Institution Level	2000

Teachers Day Celebrations.	Institution Level	200
Tech Trophy-2K18, State Level Sports Meet	State Level	1100
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Gold	National	1	Nil	16RH1A0549	J.B.SANJANA
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, Code Design 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 Competitions, 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. Anti ragging Committee: Student representatives organise Anti ragging 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 today 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 enrolled Alumni:

1800

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

22000

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. alumni meet was conducted on 30th December, 2017. few alumni visited the campus and they shared experiences and guidance to juniors for campus placements 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 Committees 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 AICTE Sponsored Two Week National Level Faculty Development Programme on Speech, Image Video Processing Techniques, Analysis Applications from 6th to 18th November, 2017 . After initiation approval of IQAC, the Academic Committee, executed the conduction of the FDP with high rate decentralization through several committees like, • FDP Finance Committee • Brochure Preparation Designing Committee, to prepare the brochure contents take charge of designing. • FDP communication correspondence Committee, to identify prospective participants communicate. • FDP registration Committee for registration process of participants. • Resource Persons Invitation Committee to invite eminent relevant persons for the FDP. • Inaugural and valedictory arrangements Committee. • Hospitality and catering Committee. • FDP venue and infrastructure arrangements Committee. • Certificates distribution Committee for designing certificates and distribution of certificates to registered attended candidates. • FDP Report, Media and Photographs Committee. • FDP File Maintenance Committee. Through efficient delegation of responsibilities, the FDP was a grand success. Case study-2 : Patent Filing, Publishing and application for Grant for the Technological Innovation "An Arrangement for Cultivation in a Chamber Using Fuzzy Logic Wind Intelligence Technology" by team of the College faculty. After initiation approval by IQAC, the Academic committee executed the plan through different committees constituted by faculty of different departments. The Committees include • Patent Right Finance Committee. • Product Designing Committee consisting of experts in various relevant areas to work together for designing the product. • Resource Procurement Management Committee. • Scribing Committee to document the Technological Innovation. • Product Design Uniqueness Verification Committee to make sure that same product has not been filed for patent earlier. • Patent Filing Application Committee to take care of Patent filing process. • Patent Publishing Committee to facilitate Patent publishing in IPR Journal. • Patent Design/Utility Analysis Committee to identify the nature of the Patent. • Patent Grant Application Committee to coordinate application for receiving Patent Grant. • Patent File Maintenance Committee. With good decentralisation, the Technological Innovation designed by team of expert College faculty, has been successfully filed as a Patent, published and also received grant.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	? 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 marks in Intermediate for B.Tech, GATE-PGCET Rank for M.Tech ICET Rank for MBA.

Library, ICT and Physical Infrastructure / Instrumentation

? Library: ? Digital(50 computers), Duplex,Central Library with space more than AICTE norms ? 22925 Book volumes, 1126 National International Journals ? E-books- EBSCO and membership OPAC ? Online subscription of IEEE XPLORE Digital Library, JGATE, DELNET British Library? Books bar coded and RFID tagged ? Fully automated with New genlib Software ? 3 Auditoriums-600, 300 and 150 capacity. ? All e- classrooms. ? 1294 computers Laptops for faculty with wi-fi. ? State of the art laboratories, RD lab TBI. ? Indoor Outdoor Sports facilities Gymnasium. ? Power Backup with UPS facilities. ? Filtration Plant and Cold/Hot Drinking Water Dispensers.

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, NTT DATA, Amazon, Tech Mahindra, CapGemini, IBM, CDK Global, Apps Associates, Sutherland Global, Hexaware. - Value-Added-Certification-Courses offered by Cisco, Microsoft, Oracle.

Human Resource Management

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 News Paper Advertisements, Screening Short listing 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.

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 500 SCI, Scopus Indexed and UGC Journal publications were made by faculty. ? The research teams filed 4 s for their technological inventions. ? 3rd International conferences in ECE, EEE, MBA, CSEIT conducted on feb 2nd 3rd ,2018. ? FDPs on Research Methodologies- organised regularly.

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

MRECW is having strong and committed

examination section. The examination section strictly follows the instructions of affiliated university for conduction of examinations. For theory subjects the distribution shall be 25 marks for Internal Evaluation and 75 marks for the End-Examination. For theory subjects, during a semester, there shall be two mid-term examinations. Each mid-term examination consists of one objective paper, one descriptive paper and one assignment. The average of the two mid-term examinations shall be taken as the final marks secured by each student in internals. For practical subjects there shall be a continuous internal evaluation during the semester for 25 sessional marks and 75 semester end examination marks. The Mini-Project shall be evaluated along with the project work in IV year II Semester for 50 marks. There shall be no internal marks for mini-project. There shall be a seminar presentation in IV year II Semester for 50 Marks. There shall be no external examination for the seminar. There shall be a Comprehensive Viva-Voce in IV year II semester for 100 Marks. There are no internal marks for the Comprehensive Viva-Voce. Out of a total of 200 marks for the project work, 50 marks shall be allotted for Internal Evaluation and 150 marks for the End Semester Examination (Viva Voce).

Curriculum Development

Malla Reddy Engineering College for Women is Affiliated to JNTUH University, follows the curriculum and syllabus prescribed by the University for all its Courses. Affiliated Institutions are not allowed to design their own curriculum. Rather, after every 2 to 3 years, University will revise their syllabus. The revised syllabus will be circulated to all affiliated colleges.

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

E-governance area	Details
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.

Administration

? 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 online using BEES software.

Finance and Accounts

? The eligible students are applying for scholarship to the Telangana e-pass portal for the fee reimbursement and the college is also registered for this. ? State government after verification will pay the fee online (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.

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. ? Classrooms are equipped with 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

	<p>BEES software, provides login credentials to the students that facilitates to know their respective internals, external exam results and cumulative attendance reports respectively.</p>
Examination	<p>Malla Reddy Engineering College for Women is affiliated to JNT University. Hyderabad. JNTUH provides e-software for following facilities to the institution internal and external examinations. ? Student Registrations, Attendance Reports, Marks Uploading , Fee Collection, Projects Related, Center Allotments, Student Exams Registration Hall Tickets Printing, Labs Projects related valuation marks etc.. will be made through Http://Registrations1.Jntuh.Ac.In/Olrbtech ? Circulars, Notifications, Results, Instructions from The University will be accessed through https://exams.jntuh.ac.in ? Question paper decryption process will be made through ems using "JNTUH VPN TOOL". ? 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.</p>

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mr G.Bhanu Prasad	National Level Workshop on "Machine Learning and Predictive Analytics Using R-Programming" organized JNTUHCES at JNTUH College of Engineering Sultanpur	MRECW	1000
2018	Dr.P.Manikandan	National Level Workshop on "Machine Learning and	MRECW	1000

Predictive Analytics Using R-Programming" organized JNTUHCES at JNTUH College of Engineering Sultanpur

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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2017	AICTE Sponsored Two Week National Level Faculty Development Programme on Speech, Image Video Processing Techniques , Analysis Applications	AICTE Sponsored Two Week National Level Faculty Development Programme on Speech, Image Video Processing Techniques , Analysis Applications	06/11/2017	18/11/2017	76	5
2018	3rd International Conference on Signal Processing Communications and System Design(ICSPCO MSD2018)	3rd International Conference on Signal Processing Communications and System Design(ICSPCO MSD2018)	02/02/2018	03/02/2018	45	6
2018	3rd International Conference on Technical Advancements in Computer Science and Engineering (ICT	3rd International Conference on Technical Advancements in Computer Science and Engineering (ICT	02/02/2018	03/02/2018	56	8

	ACSE2018)	ACSE2018)				
2018	3rd International Conference on Emerging Trends in Electrical Systems Engineering (ICETESE2018)	3rd International Conference on Emerging Trends in Electrical Systems Engineering (ICETESE2018)	02/02/2018	03/02/2018	13	2
2018	3rd International Conference on EMERGING STRATEGIES FOR BUSINESS ADVANCEMENTS (ICESBA 2018)	3rd International Conference on EMERGING STRATEGIES FOR BUSINESS ADVANCEMENTS (ICESBA 2018)	02/02/2018	03/02/2018	12	2
2018	Faculty Development Programme on SCILAB Programming in association with NITTTR, Chandigarh	Faculty Development Programme on SCILAB Programming in association with NITTTR, Chandigarh	14/05/2018	18/05/2018	45	6
2017	Faculty Development Programme on Open Source Technology in association with NITTTR, Chandigarh	Faculty Development Programme on Open Source Technology in association with NITTTR, Chandigarh	13/11/2017	17/11/2017	32	6
2017	Faculty Development Programme on Cloud Computing in association with NITTTR, Chandigarh	Faculty Development Programme on Cloud Computing in association with NITTTR, Chandigarh	23/10/2017	27/10/2017	48	6

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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
one week faculty development programme on 'Digital Signal Processing', at SIT, JNTUH, organized by AAC, JNTUH	5	11/12/2017	16/12/2017	6
AICTE Sponsored Two Week National Level Faculty Development Programme on Speech, Image Video Processing Techniques, Analysis Applications	76	06/11/2017	18/11/2017	12
Faculty Development Programme on Cloud Computing in association with NITTTR, Chandigarh	65	23/10/2017	27/10/2017	5
Faculty Development Programme on SCILAB Programming in association with NITTTR, Chandigarh	55	14/05/2018	18/05/2018	5
Faculty Development Programme on Open Source Technology in association with NITTTR, Chandigarh	48	13/11/2017	17/11/2017	5
Two Day workshop on Research Process Flow	200	10/05/2018	11/05/2018	2

and Implementation Mechanism-A Thought Process				
Faculty Development Program on Innovative Methods for Effective Teaching conducted by Malla Reddy Engineering for Women	169	13/12/2017	13/12/2017	1
Faculty Development Program on Application Oriented Teaching Methodologies	90	03/07/2017	05/07/2017	3
Faculty Development Programme on Robotics	20	20/12/2017	22/12/2017	3
3 Day National Level Workshop on "Machine Learning and Predictive Analytics Using R-Programming" organized JNTUHCES at JNTUH College of Engineering Sultanpur	10	22/02/2018	24/02/2018	3
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
227	227	45	45

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Subsidised Transportation and Free Transportation during beyond working hours, Gymnasium, Yoga with Meditation	Subsidised Transportation and Free Transportation during beyond working hours, Gymnasium, Yoga with Meditation	Subsidised Transportation and Free Transportation during beyond working hours, Gymnasium, Yoga with Meditation hall,

hall,Purified Mineral water across the campus,Health Centre with appointed Doctor	hall,Purified Mineral water across the campus,Health Centre with appointed Doctor	Purified Mineral water across the campus, Health Centre, Canteen Service with subsidised Rates, Aid for the Students Participating in overseas conference, Arrangement of bicycles to move in the Campus
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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 monitors the effective and efficient use of available financial resources for the infrastructural development and teaching learning process, helping the institution in overall growth. This committee constituted by the Principal, Administrative Officer, Heads Directors of the various Departments and Cells, estimates the probable inflows and outflows for the institution and formulates the budget estimates for construction and for department-wise purchase of lab equipments, consumables non-consumables and proposes the budget to the Institutional Governing Body, constituted by the Management Society Nominee, Government Nominee, UGC Nominee, University Nominee, Industry Nominee, Principal and Academic personnel for approval. The approved Budget proposal is effective thereafter. Annual Internal auditing is conducted by personnel from Malla Reddy Educational Society, who would verify the income expenditure details, by examining the financial statements, budget proposals, fee collection, scholarship amount, salary payments, tax, purchase of laboratory equipment, library expenses, furniture, building infrastructure, maintenance, receipts, bills, vouchers and all supporting documents for the year. After scrutiny, the Internal Auditors may advice for any possible improvement if necessary. External auditing is done annually by professional Chartered Accountants. This External Audit Committee visits the college for the purpose of verification of income expenditure details, which includes the Balance sheet with liabilities like General Fund, Secured loans, Sundry creditors, Other current liabilities, Unsecured loans and Assets like Fixed assets, Deposits, Purchase advances, Other current assets, Cash Bank balances and Inter transfer payments. The committee will authorize the income expenditure account for the particular 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
FACE Institute	90000	Technical Training
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6.4.3 – Total corpus fund generated

18500000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority

Academic	No	Nil	Yes	MOCK NBA
Administrative	Yes	MRK Associates	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 /study leaves are granted to encourage higher education. Financial support is provided to the staff or acquiring higher qualification

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

Accreditation by NBA, AICTE, New Delhi 2(F) 12(b) recognized under UGC Act 1956. Patent Published-An Arrangement for Cultivation in a Chamber Using Fuzzy Logic Wind Intelligence Technology (Application No: 201741043835, Published Date: 15-12-2017) Introduced Oxford Certification (LSRW Skills) in association with Oxford University Press. The Institution has MOUs with IBM, Brainnovision, Peramsons Software Development Pvt Ltd., Oxford University Press for encouraging entrepreneurship, Certifications, Technology Exchange Programmes and Placements.

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
2018	3rd International Conference on Technical Advancements in Computer Science and Engineering (ICTACSE2018)	02/02/2018	02/02/2018	03/02/2018	66
2018	3rd International Conference on Emerging Trends in Electrical Systems Engineering	02/02/2018	02/02/2018	03/02/2018	31

	(ICETESE2018)				
2017	AICTE Sponsored Two Week National Level Faculty Development Programme on Speech, Image Video Processing Techniques, Analysis Applications	06/11/2017	06/11/2017	18/11/2017	76
2018	3rd International Conference on Signal Processing Communications and System Design(ICSPCOMSD2018)	02/02/2018	02/02/2018	03/02/2018	55
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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 of Women in Society Today" "Tips for Women Safety"	06/03/2018	06/03/2018	600	Nil
Gender sensitization subject is included curriculum	04/07/2017	01/11/2017	600	Nil
Short films to create awareness about Gender Equity	06/03/2018	08/03/2018	30	Nil
Poster Presentation on women role model in the Society	06/03/2018	08/03/2018	150	Nil

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

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

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 Yoga Day Celebrations @ MRECW on 21st JUNE. 2017. ? Spiritual Development Programme Meditation by Mrs.K.Sailaja Rao Mrs. Padma Rani during 17th to 20th February, 2018 ? Meditation Training for B.Tech students by Acharya Gopiji of Sidha Samadhi Yoga during 21st to 27th February, 2018 ? The New plantation of trees on 15th July 2017 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.

7.1.3 – Differently abled (Divyangjan) friendliness

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

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
2018	1	1	22/01/2018	1	Survey cleanliness Campaign, Antiplastic Awareness	1	1545

					ess/Waste Management Awareness		
2017	1	1	23/01/2018	1	Traffic Awareness Programme by Mr. Vinod Kumar, ACP, Traffic, Balanagar	1	1545
2018	1	1	24/01/2018	1	Eye Donation Blood Donation pledge by school children	1	1545
2018	1	1	25/01/2018	1	Awareness programme on Organic Natural farming C ultivation technologies for farmers by Mrs. P. Shailaja Agricultural Officer	1	1545
2018	1	1	26/01/2018	1	Health Awareness Programme on Vitamin N utritional Deficie ncies- Id entificat ion Remedies for school children	1	625
2017	1	1	27/01/2017	1	Health Camp with free Medicines and	1	1435

					Dental Camp		
2017	1	1	10/11/2017	1	Personality Development Training Programme For School Children	1	30
2017	1	1	27/01/2018	1	Computer Education Programme for Gundlupochampally Government School Children	1	30
2018	1	1	09/02/2018	1	Awareness and Champaign for Enrolment of Young Electros	1	130
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
MRECW-Code of Conduct to Teacher	03/07/2017	<p>1. Maintain course file with Lesson Plan, Notes, Individual Time table and Class Timetable. 2. Prepare Lesson Plan according to number of working days and follow it. 3. Prepare digital notes effectively and see that it is in accordance with syllabus. 4. Maintain punctuality to class - 5 minutes before time. 5. Student attendance should be marked in the attendance registers before starting the Lecture. 6. Prepare each and every aspect of the lecture well before the delivery of the lecture. 7. Link the topic with the previous knowledge of the</p>

		<p>students. 8. Develop use the relevant teaching aids. 9. Use a combination of different methods techniques of teaching. Especially with real time applications.10.Interact with the students to induce curiosity, motivate and provoke thinking, imagination and application of the concept taught. 11.Give activity/application-based work/assignment beyond the book, with guidance to use various resources and keep a record of the work given.12. Tutorial classes should be used effectively. 13. Maintain discipline in and around the classroom corridors. 14. Teachers should maintain a decent formal dress code - Ladies in Sarees Gents in Blazers or Tie. 15.Create a learning environment for the students by decorating the class rooms with noble work of great personalities to inspire the students.16. Lab Incharges should be responsible for all lab activities. 17.Attendance registers should be signed by concerned HOD/Year Incharges(Professors)every weekend.</p>
<p>MRECW-code of conduct to students</p>	<p>03/07/2017</p>	<p>All the students are advised to follow the below code of conducts: Maintain Academic Discipline and Self Discipline. Maintain regularity for classes. Attend and listen to all classes seriously. Do not misuse the class time with other distractions. Do not waste time with social media.Perform well in Assignments, Tutorials</p>

		<p>and continuous assessments. Participate in all the activities organized by the college and improve your skill set. Follow all the instructions and advices of the counselors, class teacher and HOD's. Respect teachers and elders. Maintain Decent dress code. Short tops and sleeveless tops are not allowed. Always think positive and maintain good smile</p>
<p>code of conduct to student Counselor</p>	<p>03/07/2017</p>	<p>Maintaining counseling register for the allotted 20 students properly from time to time with neat handwriting. ? 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. ? Daily student attendance to be monitored in the first hour followed by necessary action. ? Constant rapport to be maintained with the students. ? Slow learners typical candidates to be identified and given proper guidance.? Counseling should be done once in every 15 days from Monday to Wednesday. The report to be submitted on Thursday to class teachers which would be further forwarded to counseling year incharges and then to overall incharges. ? Counseling report should be written on a separate paper. It should contain all the counseling proceedings for each individual student. ? Once every month, as per</p>

		<p>stipulated dates meet overall Counseling incharge explain progress of individual student.</p> <p>?Students will be enquired regularly about counseling. Any deviation will be viewed seriously.</p> <p>? As counseling incharge, you are more responsible for the progress performance of your 20 students in all aspects. So closely monitor them give them constant guidance heartfully.</p>
<p>MRECW-code of conduct to Parents</p>	<p>03/07/2017</p>	<p>In the process of molding our students into world class, globally competent Engineers we request all the parents to extend whole hearted support to us. Three quotients are major requirements for any individual in the present day Intelligence Quotient Social Quotient Emotional Quotient Intelligence Quotient and Social Quotient can be developed by the college through academics, various trainings and activities to improve interpersonal skills. In the case of emotional quotient, parents are requested to be more responsible and to support in moulding the student's behavior, like Emotional Balance and Anger Management. Frequently find out from the child and the class teacher about the current happenings at the college and see that the student is actively involved in all activities. Frequently be in contact with class teacher, counselor and HOD. Please respond when needed and support for smooth transformation of student into best individual and professional. Monitor</p>

whether the student is sincerely listening to the classes and not wasting time with any other distractions during the class time. Send the student regularly to the classes. Inculcate positive thinking in the child about the family, relatives and the society and build good hope in them to lead a great life. Support teachers in helping the students to control negative emotions.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Eye Donation Blood Donation pledge by school children	24/01/2018	24/01/2018	1545
cleanliness Campaign, Antiplastic Awareness/Waste Management Awareness	22/01/2018	22/01/2018	1545
Computer Education Programme for Gundlapochampally Government School Children	27/01/2018	27/01/2018	30
Personality Development Training Programme For School Children	10/11/2017	10/11/2017	30
Awareness on Mega Blood Stem Cells Donors Registration for all students	17/02/2018	17/02/2018	2200
Indepence day Cel ebrations-inculcate the thoughts of patriotism	15/08/2017	15/08/2017	1500
Republic Day Celebrations- Role Play on great freedom fighters	26/01/2018	26/01/2018	1200

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

The college campus is totally eco-friendly. For this the management, the head of the institution and the whole staff is committed and because of their commitment and involvement, the campus can claim to be the first polythene/plastic free zone. This apart, the institution has taken several other steps/initiatives to make the campus eco-friendly: 1. The campus has green landscaping of plants and trees: ? 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. ? Haritha Haram - Plantation Programme under MRECW NSS Unit Chief Guest Sri.Anurag Sharma, Direct General of Police, Telangana State Police Department on 8th August,2017 2. Plastic Free Zone: ? MRECW ECO Club which is associated with NSS UNIT create awareness to sensitize the students about the harmful effects of plastic. Students were also shown 100 compostable bags and its use was encouraged in place of plastic bags. ? MRECW NSS UNIT Organized cleanliness Campaign, Antiplastic Awareness/Waste Management Awareness programme on 22nd January,2018 3. Water harvesting , Water Conservation and Management . ? The college is having two bores at different locations to raise the water level. ? Large green area of the college campus allows for percolation of water into the soil thereby facilitating recharging of underground water reserves. ? College only uses non-potable water for maintaining its gardens and farms. Rain water harvesting is also being practiced in the building. ? Conscious efforts are made by the gardening committee to use new plant varieties requiring less water to further this initiative. 4. Energy Conservation: ? College construction allows for natural ventilation and lighting throughout its campus which helps conserve the energy demand. Long slender and clerestory windows in library, nearly eliminates the need for artificial lighting. ? High wattage CRT monitors have been replaced by TFT/low power LCD monitors in all the laboratories and offices. ? Energy efficient lighting fixtures like T5, CFLs and LEDs are used in all classrooms and departments. ? Sensitization of staff, students and housekeeping force to turn off lights /fans when not in use. Air conditioners are used only when necessary. ? Hi speed internet Wi-Fi facility and OPAC facility are available in the college. Further, students are encouraged to submit assignments online and wherever possible, e-circulars are used for communication in all departments. 5. Use of Solar Energy : ? The institute has installed solar panels for supplementing the need of power supply to the hostel, Street lights and in EEE department Lab. 6. Solid Waste: ? The waste is generated by all sorts of routine activities carried out in the College that includes paper, plastics, glass, metals, foods, etc.

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, OXFORD ACHIEVERS 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 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.Tech Programme.

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. 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. Yappoprogramme, which is a 24 hour continuous coding program is also organized after Microsoft training for which the students are given Yappo Certification. 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 JNTU syllabus (I , II,III IV years of UG and I IIyears of PG) 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://www.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

The College has MOUs with IBM, Brainnovision, Peramsons Software Development Pvt Ltd., Oxford University Press for encouraging entrepreneurship, Technology Exchange Programmes and Placements. MRECW students are participated in various state level and National level Hackathon programs. ? MRECW students V.Rachana,D.ShravayaA.Madhuri Participated in EXCITE-2K17 on idea Stress Bursting Plant conducted by EXCITE-2K17,JNTU Hyderabad on 20th May,2017 and developed a product name CALENDULA and selected in top 10 batches. They exhibited product in T-HUB . ? MRECW students A Ramyasree,BRuchiReddy,DSiriChandana Participated in EXCITE-2K17 on idea Smart Garbage Collection system conducted by EXCITE-2K17,JNTU Hyderabad on 20th May,2017. ? MRECW students KanojHimabindu, J Meghna, JupallyRavali Participated in EXCITE-2K17 on idea Density Based Traffic Light Controlling conducted by EXCITE-2K17,JNTU Hyderabad on 20th May,2017 ? MRECW students S.N V.GAYATRI ,B.DHRUTHI,B.PRAGATHI ,R.SHEENA,K.SAI SUDHA Participated in SMART INDIA HACKATHON 2018 on idea of Biodiversity on wildlife conducted by AICTE Smart India Hackathon Coimbatore during 30th 31st March,2018 ? MRECW students V.RACHANA,SHARAVYA.D.M.AMULYA,T.MALAVIKA,Y.JAHANAVI,S.BHAVANI Participated and

selected as top 3 batches in SMART INDIA HACKATHON 2018 on idea of GPS Based Technique For Improvising Land Use Survey In ICS Scheme(LAKSHYA) conducted by AICTE Smart India HackathonHubli, during 30th 31st March, 2018 ? MRECW students NIKHILA.K.SAI SINDHU, I.ANUSHA, K.SINDHU, PRANEETHA, SRIVANI.K Participated in SMART INDIA HACKATHON 2018 on idea of Real time identification of crops, weeds, diseases and pests damage and nutrient deficiency symptoms conducted by AICTE Smart India Hackathon Chandigarh, during 30th 31st March, 2018 University Gold medal: The student of MRECW securing Gold Medal in the university examinations conducted by JNTUH. 1. JNTUH University Gold Medal on "Academic Topper-CGPA of 9.18 in entire JNTUH Affiliated Colleges- 2018" by Ms. M.Shruthi. Refer <http://www.mallareddyecw.com/gold.pdf> Internships: 15 students are selected for Internship in Internashala, 9 students are got in J-HUB, JNTUH and 16 students got in TSGENCO, 3 students got in BHEL and more students did Internship in private organizations etc. Achievements of the institution: ? NIRF-India Ranking -2018 ? Ranked 7th in CSR-2018. ? Platinum Rated by AICTE-CII Survey of Industry Linked Technical Institutes-2018 ? AAA Rated by Careers 360 Magazine by Career 360 Engineering College Survey-2018. ? Education Leadership Award -2017 by Dewang Mehta National Education Awards, IPE. ? Best College of the year-2017 " by Silicon India Education ? Best Engineering College in Telangana A.P Award -2017 in International Education Awards by Times Cyber Media Pvt.Ltd ? Dr.Y.MadhaveeLatha received Women in Education Award in Dewang Mehta National Education Awards-2017. ? Dr.Y.MadhaveeLatha received Most Innovative Principal-Engineering Colleges in Telangana State Award in International Education Awards-2017 by Times Cyber Media Pvt.Ltd ? Dr.Y.MadhaveeLatha received Best Principal Award for Excellence in Education in National Excellence Awards-2017 by Gloabal Leader Foundation on 23-02-2018 Patents: Our Faculty Team attained Patent Right for their Technological Innovations. ? Dr.Y.MadhaveeLatha ,Principal, MRECW @all. Published patent (Application No: 201741043835) on "An Arrangement for Cultivation in a Chamber Using Fuzzy Logic Wind Intelligence Technology" on 15-12-2017.

Provide the weblink of the institution

<http://www.mallareddyecw.com/PDFs/IDR/17-18.pdf>

8.Future Plans of Actions for Next Academic Year

- Planning to organize International Conferences in four departments.
- Planned for establishment of new MOUs from Automation Anywhere, Oracle Academy, Global Tree Careers Pvt.Ltd, SmartBridge, Pantech Pro Edu and Path Creators.
- Planning to publish - innovative product developed by faculty.
- Planning to increase research projects from government and Non-government funding agencies.
- Planning to apply get approval from MSME Tool Room, CITD, Hyderabad.
- Planning to establish Robotics-Centre of Excellence.
- Planning to conduct National Hackathon Programmes under Entrepreneurship Development Cell.
- Planning to organize FDP related to research Orientation.
- Planning to organize Value Added Certification Courses like Cisco-CCNA, Cisco-C, Cisco-Python, 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 latest 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 student development programmes.
- Planning to organize Personality Development Programs by Dr BV Pattabhiram World renowned Psychiatrist and Prof M L Sai Kumar Former Dean Academics IPE Prof of CSE and under Centre for Human Excellence.
- Planning for internships, industry visits under industry Institute Partnership Cell
- Planning to organize Go-Green, Personality Development Programme to students of Govt High School 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, Interaction Day Celebrations and Musical Shows.