SELF STUDY REPORT

FOR

1ˢᵗ CYCLE OF ACCREDITATION

MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE

MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE,
MAISAMMAGUDA,DHULAPALLY,SECUNDERABAD-500100
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BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Malla Reddy Institute of Technology and Science (MRITS) was established in the year 2005 under the dynamic leadership of Shri Ch. Malla Reddy. The Institute is governed by Malla Reddy Educational Society. Shri Ch.Malla Reddy, Founder Chairman has been in the field of Education industry for the last 25 years with an intention of spreading quality education among children at the school level. He established his first technical Institute in the year 2002 and within a span of 6years, the number of professional Institutes established by him were increased to 8. The society was established faculty of Medicine, Management, Humanities and social sciences apart from Engineering.

The society has a holistic vision to provide the higher education to the future generations with a blend of modern technological trends and traditional values. The objective of the Institute is to render a perfect platform for the students in the field of Technology based applications for their academic as well as personality development and life skills. The Institute has a high tradition of soaring with the academic excellence of highly qualified faculty members and the overall personal growth and success of the students.

Malla Reddy Institute of Technology and Science (MRITS) offers B. Tech degree in Computer Science & Engineering (CSE), Computer Science & Engineering (AI &ML), Computer Science & Engineering (Cyber Security), Computer Science & Engineering (Data Science), Computer Science & Engineering(IOT), Computer Science & Engineering (Networks), Electronics & Communication Engineering (ECE), Information Technology (IT), and Civil Engineering (CE). It was established for imparting engineering education and for promoting technological research to generate technical manpower in various areas of Engineering, Technology and Management.

The Institute has been approved by All India Council of Technical Education (AICTE), New Delhi, Accredited by NBA for CSE and ECE, Recognized by UGC, New Delhi under 2(f) & 12(b), Certified by ISO 9001:2015, Accredited by NAAC with B+ grade and affiliated to Jawaharlal Nehru Technological University, Hyderabad.

Vision

- To prepare students to pursue the discovery of new knowledge. We recognize that academic inquiry fuels creative scholarship, which fuels the intellectual atmosphere of the classroom and the learning process.
- To Value the ability to educate the whole person and mend our students to learn the value of responsibility, self-discipline, community service, and understanding of others.
- To set the goals which will rise the glory of our Institute on to the highest peak of visualization.

Mission

- To establish an intellectual innovative capital by involving individuals, industries and academia.
- To emerge as a new competitive quality standard with the capacity to deliver world-class quality in our

core strategic function.
- A presumption in our mission is that quality will ultimately be the sustaining measure of success.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Institute Strength

- Faculty with good Academic experience from Reputed Universities and IITs.
- Visionary management with a mission to escalate academic Excellence.
- MOUs with reputed industrial and research organizations.
- Institute has Projects and Startups.
- Collaboration with reputed Organizations for empowering Patents.
- State of art Laboratory facilities.
- IQAC for Quality Audit.
- Excellent infrastructure facilities.
- Wi-Fi enabled campus with 300Mbps dedicated Leased Line.
- Well stacked library with an adequate number of National, International journals, magazines and references.
- Explicit Training & Placement Cell to provide continuous training for students.
- Explicit Entrepreneurial Development Cell (EDC) to promote Entrepreneurial spirit in the students.
- Extended Library timings from 7am to 9pm.
- 24 x 7 WiFi extended campus.
- Mentoring students on one-to-one basis with the aid of mentor mentee scheme.
- Establishment of professional chapters such as ISTE, IEEE, IETE, CSI, IE etc.
- Active student participation in State, National events through various Professional bodies.
- Student participation in community development programs through NSS, Red-cross and Street cause.
- Online mode of communicating the regularity and academic appraisal of the students to the parents.
- Institute located in western part of Hyderabad and it is well connected with each corner of the city with public transport in addition to the college transport.
- Cells for SC/ST, OBC, Minority, Women empowerment, Grievance & redressal etc.

Institutional Weakness

Institute Weakness

- Faculty quarters to be made available in the Campus.
- Though efforts are made for recruiting faculty with PhD qualification, availability of them has become a point for concern.
- Delayed release of scholarship funds by the state government.

Institutional Opportunity

Institute Opportunity

- Scope for strengthening the industry - Institute interaction for better placements of students.
- To create R&D and Technology Business Incubators by interacting with premier industries and reputed higher learning Institutes.
- Enter into collaborative projects with industries and other Institutes for better exposure of students. Networking with other Institutes for sharing/acquiring to know how of advanced technologies.
- Developing beyond curriculum in training programmes for students to match the industry requirements.
- To develop students into successful entrepreneurs for the technical development of the future of the country.

Institutional Challenge

Institute Challenge

- To forge strong alliances with National and International organizations for academic and R&D activities in thrust areas of Engineering and Technology.
- Train the incumbents to get 100% employment.
- To apply for Autonomous in near future in the field of Engineering & Technology.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

- The Institute has been conferred with NBA status from the academic year 2015-16 by NBA for 3 Years. Further, NBA status has been renewed for another 3 years i.e. up to June 2021.
- The Institute has been granted the status of 2(f) &12(b) from the year 2015 by UGC under UGC act 1956, Government of India.
- The Institute has been certified by ISO 9001:2008 for 3 years from 2015 and upgraded to ISO 9001:2015 for 3 years from 2017. It was further renewed for 3 years up to 2023.
- The Institute has been accredited by NAAC with B+ grade for 5 years from November 2018.
- The Vision, Mission, PEO, PO, PSO and CO statements are well defined.
- A rich curriculum and syllabus recommended by JNTUH is under force.
- Time-table is prepared well in advance which includes periods allocated for value added courses, Placement training, library and sports.
- Outcome Based Education (OBE) and Choice Based Credit System (CBCS) are in practice.
- The CBCS offers a range of choice for students to choose from Professional Core and Electives, Engineering and Basic Science, Humanities and Science courses and Employability enhancement courses.
- Bridge courses have been introduced to enhance the capabilities of learning and to cover the academic and industry gap.
- The fast track system devised in our Institute enables the meritorious students to study advanced courses in the semester breaks and to undertake internship or industrial projects.
- The weight age given for internal assessment is 25%.
- Implementation of inter disciplinary and industry based courses.
- Inclusion of audit courses based on the contemporary industrial practices and needs, Gender

sensitization, Universal Human values, Professional ethics, NSS, Constitution of India, Environmental and Sustainability etc.

Teaching-learning and Evaluation

- Implementing Outcome Based Education System in curriculum.
- Implementation of Choice Based Credit System (CBCS) that offers flexibility in curriculum.
- Provisions to earn additional awareness through audit courses and online courses.
- Inclusion of courses related to areas specified by National Skill Development Corporation.
- Field visits and career-oriented training activities are incorporated in the curriculum.
- Established a Forum for English Literature with a vision to enhance the students learning experience in the campus.
- E-learning facility is developed where the Faculty members upload the lesson plan, detailed course material, question bank and relevant materials corresponding to their courses.
- Teaching Faculties are nominated as mentors to counsel students for their academic enhancement.
- The slow and the advanced learners are identified by the subject teachers as well as the student mentor. According to their level, the slow learners will be given more attention in following up their academics and creating exposure to new technologies available in the market.
- Incorporation of innovative teaching pedagogies such as ICT enabled lectures, flipped classroom, think-pair-share, analogy etc. for effective teaching learning process.
- Structured questionnaire through online / offline system for feedback on faculty members.
- Awards and Scholarships for academic toppers to motivate other students to excel in academic activities.
- Rigorous recruitment process consisting of online aptitude test, group discussion and interview with expert members.
- Constitution of 'Best Faculty' & 'Best Researcher' awards.
- Faculty visits to the industry, research laboratories, and universities for Inclusion of Higher Order Thinking Skill [HOTS] questions in the examinations.

Research, Innovations and Extension

- Research and Innovative clubs are initiated .
- Every year, adequate funds are provided to encourage students and faculty members in developing innovative projects for research and development.
- Encouragement to the faculty members by providing cash awards and appreciation certificates for publishing papers in reputed National and International Journals.
- Promoting interdisciplinary research by encouraging the students and faculty members to take up research projects.
- Organization of National Conferences.
- The Institute has organized several workshops/ seminars towards Industry-Academia innovative practices and Intellectual Property Rights.
- Faculty and students are guided for patent filing and so far 7 patents were attained and 3 patents are in progress.
- The Institute has a stated code of ethics to check malpractices and plagiarism in research.
- Faculty members publishes papers in Scopus indexed Journals, IEEE Explore, UGC Referred journal etc.

- The Institute has initiated the research award for faculty publications and for obtaining research grants from external bodies.
- The Institute is stepping forward in maintaining Industry Institute Partnership by signing Memorandum of Understandings (MoU) to carry out collaborative research and training.
- Institute sensitizes its faculty members and students on Institute Social Responsibility activities through structured forums like NSS.
- Recognition and awards are received for various innovative activities from University, State level agencies and NGOs.
- The Institute has several collaborative works in the form of internship, and research activities with industries and professional bodies.

Infrastructure and Learning Resources

- MRITS is committed in providing a conducive learning environment with state of the art infrastructure and learning resources.

- Several new/augmented laboratories have been established with advanced state of the art equipments for modernizing the laboratories to provide hands on experience.
- Auditorium with adequate seating capacity is being established.
- Fully furnished Examination section with a separate confidential area to ensure academic integrity.
- Amenities have been provided to meet the requirements of AICTE.
- Well planned placement cell with Group Discussion Room, HR Room, Conference Room have been established.
- Seminar halls are fitted with Modern sound, Audio Visual Systems.
- Established play grounds with the outdoor training facility.
- Indoor sports facility for Table Tennis, Shuttle badminton court, Carom, Chess etc.
- Well established gymnasium for physical growth.
- Water treatment plant with the capacity of 1 Lakh liters of water purified for use on daily basis.
- Digital library is established with Audio Visual room, NPTEL and E- learning resources.
- Nearly 2050 exclusive placement books are made available as a unique featured for student's career and development activities.
- 24X7 Wi-Fi enabled campus.
- Campus is fully under surveillance with the CCTV cameras.
- The contemporary infrastructural facilities and learning resources available at the Institute have made it as one of the prominent Institutes in Hyderabad in providing quality education.

Student Support and Progression

- Institute conducts a number of student support and Progression activities such as academic, co-curricular and extracurricular activities to ensure students' progression to higher education and employment.
- Institute has introduced 6 new programmes after 2015. The total student's strength of the Institute is 2327.
- Institute has introduced academic topper, merit scholarships.
- Establishment of many professional chapters like ISTE, IEEE, CSI, IETE etc.
- Student's attendance and performance is intimated to the parents through SMS and in online mode.

- Increased number of On & Off campus placements by companies of all categories.
- Publication of news letter by departments and Institute.
- Wi-Fi Facility throughout the campus with internet bandwidth of 300Mbps.
- National level prizes won by the students in co-curricular and extra-curricular activities.
- Alumni are actively involving in placement activities and regular academic growth of the Institute.
- Student representatives in Department Academic Activities Committee, and IQAC.
- Guidance is provided to the student for GATE, IES, GRE, TOEFL and IELTS examinations.
- To encourage competitive spirit among the student community, the meritorious students have been offered the following benefits in the library. They are,

1. Two additional books being issued for the students with academic performance more than 80%.
2. One additional books being issued for the students with academic performance in between 70%- 80%.

- This reward scheme has been in practice from 2015.
- It has resulted in improved academic performance with higher probability in facing placement interviews by the students of MRITS.

Governance, Leadership and Management

- The Institute is recognized by UGC under Section 2(f) and 12(B) under UGC act 1956, Govt. of INDIA.
- Functional Internal Quality Assurance Cell (IQAC) in the organization's management system.
- Second cycle of NBA Accreditation for 2 programmes namely CSE and ECE.
- Stakeholders of the Institute especially students are encouraged to participate in the Institute Management through their memberships in various committees.
- Internationalization of the Institute by signing MoU with Foreign Universities for Faculty Exchange, research collaboration etc.
- Adoption of VI Pay scale to attract and retain eminent faculty.
- Scheduling and conducting Faculty Development Programmes.
- The Internal Quality Assurance Cell (IQAC) and Department Academic Activities Committee (DAAC) are instrumental in enhancing and assuring the quality of teaching and learning in the Institute.
- Implementation of Internal and external Academic & Administrative audit.
- Innovations in the academics and administrations have been done through recommendations of IQAC.
- Annual Self Appraisal for faculty.
- Regular Management Review Meetings for monitoring the academic progress.
- The Institute has active and vibrant Governance and Leadership policies which are pivotal for promoting and upholding the standards and quality of the Institute.

Institutional Values and Best Practices

Institute Values

The students are taking admission in to the institute with an ambition that they gain 360 degrees personality growth with moral and ethical values. The need of the day alerts them to learn certain living challenges in addition to gaining subject knowledge.

To fulfill this, the institute is sculptured to be the blend of Modern Education and Tradition. It is an institution comfortable with the unique model of the technical education where the discovery, dissemination and application of knowledge are synergistically balanced. It is a part of larger societal systems and dynamically fueled by the process of involvement-

- Involvement in the needs of individuals
- Involvement in the nurturing of inquisitive minds
- Involvement in the transfer of ideas from the campus to the marketplace and beyond

The creation of new knowledge that will benefit future technological society is at the heart of our mission. In order to achieve a position of educational leadership, our institution fosters an atmosphere of intellectual excitement among faculty, staff and the greater student community. As a result, it has received "Quality Initiative Mission Educational Leadership Award 2013". It is listed among India's Best Engineering Colleges 2020 with rating of "AAA" by Careers360. The Principal of the institute has received "Quality Initiative Mission Educational Leadership Award 2013" for his contributions in the field of Electronics and Communication Engineering. In 2019, he received "Best Engineering College Principal Award in Telangana State " by ISTE. The institute is producing progressively increasing academic performance. The placement opportunities bagged by students are exceptional.

Best Practices

- Induction program is made mandatory for all students to understand the need and usefulness of degree level education
- Students are mentored towards ethics, morals and social responsibility to live with broad understanding on the society
- Students are guided to do projects that helps to spread the technology in to every corner of the society
- Students are exposed to National and International communities by advising them to participate in certain conferences through webinars
- Implementation of sustainability measures.
- Extending the facilities to the community through extension activities.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE
Address	Malla Reddy Institute of Technology and Science, Maisammaguda,Dhulapally,Secunderabad-500100
City	SECUNDERABAD
State	Telangana
Pin	500100
Website	www.mrits.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Kasa Ravindra	040-9348161221	9348161221	040-2379214 9	mrits_pril@yahoo. co.in
IQAC / CIQA coordinator	V Senthil Kumar	040-9952600888	9944520023	040-2379215 0	mrits_pril@yahoo. co.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	
Date of establishment of the college	19-08-2005

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	**University name**	**Document**
Telangana	Jawaharlal Nehru Technological University	[View Document](#)

Details of UGC recognition		
Under Section	**Date**	**View Document**
2f of UGC	15-03-2016	[View Document](#)
12B of UGC	15-03-2016	[View Document](#)

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	**Recognition/Approval details Institution/Department programme**	**Day,Month and year(dd-mm-yyyy)**	**Validity in months**	**Remarks**
AICTE	[View Document](#)	15-06-2020	12	For One Academic Year

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	Malla Reddy Institute of Technology and Science, Mai sammaguda,Dhulapally,Secun derabad-500100	Rural	11.25	18180

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Computer Science And Engineering	48	Intermediate	English	60	60
UG	BTech,Computer Science And Engineering	48	Intermediate	English	60	24
UG	BTech,Computer Science And Engineering	48	Intermediate	English	60	53
UG	BTech,Computer Science And Engineering	48	Intermediate	English	60	46
UG	BTech,Computer Science And Engineering	48	Intermediate	English	60	22
UG	BTech,Computer Science And Engineering	48	Intermediate	English	180	179
UG	BTech,Electronics And Communication Engineering	48	Intermediate	English	180	151
UG	BTech,Information Technology	48	Intermediate	English	60	48
UG	BTech,Civil Engienrring	48	Intermediate	English	60	0

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				20				36				98
Recruited	17	3	0	20	22	14	0	36	55	43	0	98
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				29				59				123
Recruited	20	3	0	23	30	22	0	52	63	52	0	115
Yet to Recruit				6				7				8

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				96
Recruited	59	37	0	96
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				103
Recruited	57	46	0	103
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				76
Recruited	48	28	0	76
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				89
Recruited	58	31	0	89
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	20	3	0	0	0	0	0	0	0	23
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	30	22	0	63	52	0	167

Temporary Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	489	0	0	0	489
	Female	193	0	0	0	193
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	37	32	26	57
	Female	16	17	11	13
	Others	0	0	0	0
ST	Male	24	37	15	30
	Female	3	4	1	6
	Others	0	0	0	0
OBC	Male	234	228	145	223
	Female	100	73	72	70
	Others	0	0	0	0
General	Male	143	184	143	183
	Female	86	116	113	121
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		643	691	526	703

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
236	234	240	241	273

File Description	Document
Institutional data in prescribed format	View Document

1.2

Number of programs offered year-wise for last five years

2019-20	2018-19	2017-18	2016-17	2015-16
10	10	10	9	9

2 Students

2.1

Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
2056	2123	2157	2382	2480

File Description	Document
Institutional data in prescribed format	View Document

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
414	391	270	399	432

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
511	578	594	576	689

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
190	202	207	210	213

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
177	155	152	189	204

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 41

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
438.67	384.15	600.46	602.73	322.47

4.3

Number of Computers

Response: 905

4.4

Total number of computers in the campus for academic purpose

Response: 865
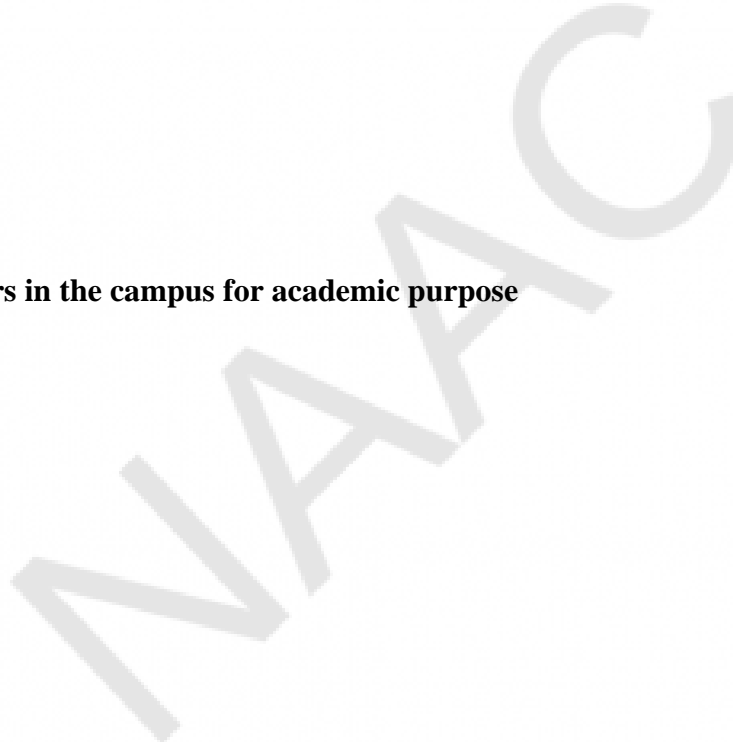
4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

Malla Reddy Institute of Technology & Science Institute (MRITS) was established in the year 2005 and is affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH) Telangana. Being affiliated Institute, the Institute follows the syllabus prescribed by the University. Curriculum coverage planning involves effective delivery by providing competence, values, good citizenry skills besides making students to develop holistically and capable of leading happy and purposeful life to cater the National goals in tune with Vision and Mission of the Institute.

The Institute meticulously develops action plans for effective implementation of the curriculum. At the outset, the IQAC committee of the Institute conducts protracted meetings with the HoDs and faculty members of all the departments to develop useful strategies for effective implementation of the calendar with efficient time framing for completion of the 100% topics in the syllabus. Teachers are encouraged beforehand to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits, animated video lectures apart from regular/traditional teaching methods.

Thereafter, the Department Academic Activities Committee organizes meetings periodically with the teaching faculty to develop academic plans for the forthcoming academic year/ semester. Lesson plans and course files are maintained by each faculty for the subjects allotted respectively, which are being reviewed on continuous basis by the review committee by conducting their internal meetings and develop academic plans for the forthcoming academic year/semester. Keeping in view, the number of working days available, the syllabus is divided into units which are to be finished by a given deadline. Each department of the Institute follows the academic calendar issued by the affiliating university.

Further, the Institute also plans the academic schedule based on the University calendar which includes the details like the topics to be taught and number of working days allocated to respective topics, Syllabus completion schedule is being prepared and is circulated to all the departments for the smooth conduction to out fill the calendar which is being fit in to the schedule given by the University. At the end of each unit, the teachers shall report status related to the completion status i.e., the amount of syllabus to be covered in the allotted classes, and the syllabus actually covered. Any deviations between the planned and actually covered parts of the syllabus will be rescheduled to cover the 100% syllabus for the benefit of the students.

MRITS implements the lecture delivery by chalk and talk, power point presentations, video lectures/ NPTEL, animated videos, case studies, quiz, study tours, industrial visits. MRITS has 33 ICT enabled classrooms and 6 smart classrooms. As part of the curriculum, cross cutting issues like Gender Sensitization, Environment and Sustainability, Professional ethics, Universal Human values and Constitution of India are covered.

MRITS conducts Induction program for 1st year students and bridge courses for senior classes to help them to understand fundamental concepts in their respective program. Various training and certification programs, add - on courses etc. are being conducted to 2nd, 3rd and 4th year students to make them industry ready.

File Description	Document
Upload Additional information	[View Document](#)
Link for Additional information	[View Document](#)

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

Being an affiliated Institute, Malla Reddy Institute of Technology and Science (MRITS) adopts the curriculum designed by Jawaharlal Nehru Technological University (JNTUH), Hyderabad.

For effective delivery of the curriculum, the following process is developed and deployed. At the outset, the Institute meticulously develops action plans for effective implementation of the curriculum. Academic calendar provided by the University is taken as the base for making curriculum delivery plan. The academic calendar provides the date of commencement of the academic session, submission of mid-term exam marks, Parent Teacher meeting, the duration of the semester, the period of internal assessment tests, practical exam schedule, preparation holidays, final semester examinations etc. The University also declares the list of general and optional holidays to affiliated Institutes.

The Head of the Institute conducts meetings with the Head of the departments for developing a detailed academic calendar for the effective implementation of the curriculum immediately after the release of academic calendar of JNTUH.

A well-structured academic calendar which is in-line with the academic calendar released by JNTUH is being prepared by the Head of the departments with the due approval of the head of the Institute. An action plan for conducting co-curricular, extra-curricular activities, to enrich the curriculum will also be included in the detailed academic calendar.

The Head of the Department allocates the courses to the faculty members as per their expertise and option. Class wise and Course wise time tables will be prepared for effective planning and delivery of courses.

Each faculty prepares course outcomes, course plan, course notes and course handout, for executing day to day academic activities and the same is circulated to the students on the day of commencement of Instruction. A clear plan to fill up the Curricular Gaps either by teaching content beyond the syllabus, invited lectures, workshops or add-on programs are included in the course plan.

Teachers are encouraged to impart the curriculum through student centric learning methods, such as presentations, assignments, peer learning, brainstorming, NPTEL lectures, group discussions, workshops, quiz, role-play, seminars, projects, industrial visits, etc., and innovative teaching methods such as Google

classroom, QR codes, etc. besides the regular/traditional chalk and talk methods.

The Head of the Department monitors the academic activities on a regular basis by verifying monthly syllabus coverage report to ensure the execution of effective teaching learning process as per the academic calendar, and finds the gap's, if any. The IQAC performs academic audit twice in a semester to ensure the effective delivery of the curriculum.

The academic performance of students is continuously and scrupulously monitored by conducting special tests, Mid Term exams, during the semester to assess the attainment of Course Outcomes (COs). As the attainment of COs is the base for achieving the attainment of Program Outcomes, Program Specific outcome and by which Vision and Mission of the Institute, the Institute takes all the possible measures to ensure the effective delivery of curriculum and attainment of COs for all the courses.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. **Academic council/BoS of Affiliating university**
2. **Setting of question papers for UG/PG programs**
3. **Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**
4. **Assessment /evaluation process of the affiliating University**

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	View Document
Details of participation of teachers in various bodies/activities provided as a response to the metric	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100

1.2.1.1 **Number of Programmes in which CBCS/ Elective course system implemented.**

Response: 10

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 52

1.2.2.1 **How many Add on /Certificate programs are offered within the last 5 years.**

2019-20	2018-19	2017-18	2016-17	2015-16
16	10	9	7	10

File Description	Document
Institutional data in prescribed format	[View Document](#)
Brochure or any other document relating to Add on /Certificate programs	[View Document](#)
Any additional information	[View Document](#)

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 57.29

1.2.3.1 **Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
1654	1224	1224	954	1279

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

To make the students aware of their responsibility towards the society, different subjects have been integrated as a part of the curriculum. A subject titled "Gender sensitization" has been introduced to deal with the inhibitions on gender in the young minds. As a part of this, the videos related to different incidents happened across the country are being played and explained to the students. Further, students are being encouraged to discuss among themselves by creating a situation and arrive at a solution for it. In order to provide healthy environment for future and to plan for ecological balance, rigorous topics and discussion on Environment and its sustainability aspects are also taught and will be practiced by the students. These practices increase concern toward the society for healthy living at least for next few decades .Worldwide observations reveal that India has been given special recognition by the rest of the world for its human values and ethical based educational society. In order to carry forward the rich heritage of India and to keep up the spirit and recognition of India across the world, the students have been taught Human values and Professional Ethics rigorously. All above steps are helpful to the students to develop their personality to become good citizens of India and valuable contributors of World.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View Document
Any additional information	View Document

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 16.16

1.3.2.1 **Number of courses that include experiential learning through project work/field work/internship year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
38	38	40	36	46

File Description	Document
Programme / Curriculum/ Syllabus of the courses	[View Document]
MoU's with relevant organizations for these courses, if any	[View Document]
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	[View Document]
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year

Response: 41.2

1.3.3.1 **Number of students undertaking project work/field work / internships**

Response: 847

File Description	Document
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

1.4 Feedback System

1.4.1 *Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni*

Response: A. All of the above

File Description	Document
Any additional information (Upload)	[View Document]
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	[View Document]
URL for stakeholder feedback report	[View Document]

1.4.2 Feedback process of the Institution may be classified as follows: Options:

1. **Feedback collected, analysed and action taken and feedback available on website**
2. **Feedback collected, analysed and action has been taken**
3. **Feedback collected and analysed**
4. **Feedback collected**
5. **Feedback not collected**

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 86.67

2.1.1.1 **Number of students admitted year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
643	691	526	703	705

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
828	780	540	798	864

File Description	Document
Institutional data in prescribed format	[View Document]()
Any additional information	[View Document]()

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 100

2.1.2.1 **Number of actual students admitted from the reserved categories year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
414	391	270	399	432

File Description	Document
Institutional data in prescribed format	[View Document]()
Any additional information	[View Document]()

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

The Students are coming from diverse socio-economic backgrounds and local language of instructions during their tenure in school. Hence they are given more attention and support during their classroom interactions to improve their confidence level, competency and performance in various assessments. The slow learners are identified and are being taken care through mentoring system. The performance of the students in internal assessment tests are informed to their parents through SMS/Email/hard copy including their attendance in online mode. Parent Teacher meetings are also held for academic appraisal. Remedial classes are also being conducted for those who scores less marks in examinations. Special classes are also conducted in Mathematics. The remedial classes are conducted for the students after working hours so that the regular academic schedules remain unaffected. This helps to give individual attention to the slow learners, thereby improving their academic performance. Institute regularly conducts study on the incremental academic growth of different categories of students. The advanced learners will be exposed to projects in the latest fields to make them ready to industry. The institute will arrange advanced training program for advanced learners.

The Institute organizes the following special programs after admission into first year:

Induction programme:

Induction programme is conducted for two-week duration as per the instructions of AICTE/ JNTUH before the commencement of curriculum delivery to fill the gap between the school curriculum and the first-year engineering curriculum. During the induction programme, the discussion is made on the prerequisites of basic sciences and engineering courses as per the guidelines issued by AICTE and JNTUH.

Campus Visit:

Also an integral part of induction programme students taken to visit prominent locations inside the campus such as Transport office, Administrative office , laboratories , Hostel, Canteen, Gymnasium, Library, Grievance Cell, Anti Ragging Committee, etc., is to familiarize the students with the campus. In addition a local city tour is being arranged to show the demography of the city.

Interaction Day:

Interaction Day is conducted each year with many colorful events to create a friendly atmosphere with senior students and to boost their confidence in the minds of fresher and to uplift their understanding level. This creates a quick healthy coordination among the junior and senior students.

Classification of students:

Based on the performance in the classroom activities, skills, area of interest and academic records, the students are categorized as advanced learners and slow learners. This analyses and their academic growth

are presented and discussed in the IQAC meetings and necessary measures are taken to help such students.

Steps taken for Improvement in slow learners

- Extra classes during evening hours or based on their convenience in the online mode.
- Personal attention during Tutorial and Laboratory Classes.
- Intimating the student progress with their parents at regular intervals.
- Bridge courses for lateral entry students.
- The students are been provided with a foundation course in English through Easy English module and special teaching is provided during evening hours after regular classes.
- Special classes and tests for the needy students are being conducted.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional Information	[View Document](#)

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 11:1

File Description	Document
Any additional information	[View Document](#)

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

The Student centric learning methodologies are adopted for effective teaching learning process. However, the Institute does not stick to the conventional teaching methods. Additional teaching pedagogies are followed for the effectiveness of teaching-learning process to enhance the lifelong learning skills of students. More efforts are taken by the faculty members to make the learning activity further interactive by adopting the below mentioned student centric methods.

Experiential Learning:

- Case study.
- Field trips/ jigsaw method.
- Video lectures from NPTEL.
- Demonstration/ working models for better understanding of concepts.
- ICT aided lectures.

- Web portal for teaching material 24×7 accessibility to students.
- Internships.
- Web based learning/ Webinars.

Participatory Learning:

- Flipped classroom.
- Proactive student leadership group.
- Case study, role play, charts, think-pair-share, Multiple Choice Questions, Analogy etc.
- Brain storming sessions, group discussions.
- Industrial visits, Industrial expos, Industrial exhibition etc.
- In-plant training.
- Technical seminar.
- Technical exhibition.
- Bridge courses for slow learners and special training for advanced learners.

Problem-solving methods:

- Puzzle based critical thinking.
- Activity based learning and Problem based learning.
- Project based learning.
- Research based learning.
- Computer assisted learning

Outcomes of learning methodologies

- Case study improves the critical thinking of the students.
- The field visits provides the students an opportunity to gain practical knowledge about the physical views and working of an industry and make the understanding of concepts.
- The ICT enabed classroom teaching make the concepts more clear.
- Minor/major projects help students to apply the theoretical concepts in practice.
- Seminars gives the students an opportunity to update their technical knowledge and also improve their communication skills by ways of interacting with others.
- Webinar brings the world together with different questions , opinions and solutions.
- Internships gives the opportunity to work on a real time project in the company environment. This enables the students to understand the gap between industry and academia.
- In-plant training and industrial visit gives the industrial exposure.

File Description	Document
Upload any additional information	[View Document](#)
Link for additional information	[View Document](#)

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

ICTs play a dynamic role in technical education during delivery of learning materials as students can access knowledge and improve their skills from anywhere and anytime. Integration of ICTs in teaching and learning process will make teaching and learning very easy, interesting, and time saving than that of traditional way of teaching-learning. The faculty members of institute have widely use integrated Information and Communication Technology (ICT) to improve their CIE in outcome based teaching and learning Pedagogy, Different Strategies for teachers to apply ICTs, various tools for different purposes like accessibility of distance learning, evaluation, scholastic performance, e-courses and virtual classroom for qualitative and productive educational culture.

- To update with latest research for teachers in developing expression power and improve the learning experience.
- ¨To implement the lifelong learning with Proper understanding and application of the concepts.
- Elaboration, reasoning and critical thinking abilities with proper study habits are developed.
- To develop maturity in judgment and decision making ability.
- To prepare the young minds for risk taking, scientific temper, etc.
- To keep up with rapid technological changes.
- To encourage equal opportunities to achieve better education.
- To automatically and dynamically adjust the learning delivery.
- Enable the learners to perform a complete self-assessment that will help them identify their strengths and weaknesses.

File Description	Document
Upload any additional information	[View Document](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process.	[View Document](#)

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 15:1

2.3.3.1 **Number of mentors**

Response: 136

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
Mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 117.87

File Description	Document
List of the faculty members authenticated by the Head of HEI	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 8.97

2.4.2.1 **Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
23	19	14	18	17

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 4.13

2.4.3.1 **Total experience of full-time teachers**

Response: 784

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

There is transparency in the internal assessment. The criterion adopted is as per the University norms. All the students are familiar about the scheme of internal assessment. The average of the marks obtained in 2 mid term examinations is considered for awarding internal marks subject wise. The corrected Internal Assessment Examination answer papers are distributed within three days after the last exam. If there is any deviation in the evaluation, the students are permitted to approach the respective teaching faculty for getting their doubts cleared. After preparing the assessment report, it is submitted by the concerned teacher to the HOD and the same is displayed on the notice board and sent to parent in online mode at the end of the session. The internal assessment is made by the faculty members keeping in mind the following parameters related to students'

Performance during the semester:

- Class attendance
- Class assignments
- Score in the end examination etc.
- Inspite of all the above aspects of the students, their behavioral aspects, independent learning and communication skill etc. are also taken into consideration during the assessment of a student.

- Setting the Internal Test Question Papers according to the Bloom's Taxonomy and verifying the same by respective course coordinators in order to ensure the quality of the question paper.
- The performance of students in internal tests is discussed in the HoDs meeting, department meeting and also in class incharges meetings. Based on the outcome suitable steps are taken.
- The student's performance is intimated to their parents by SMS/Email/Parent Teacher meeting and appropriate counseling is given for their betterment.
-

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.5.2 Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Response:

Internal Assessment Examination

- Schedule of Internal assessment tests, syllabus and question paper pattern adhered to the academic calendar and regulations of JNTUH are being displayed well in advance before the commencement of the academic session.
- Internal Assessment exams are conducted as per the JNTUH academic calendar. Two different sets of question papers are prepared to maintain the confidentiality and quality of the evaluation system.
- The evaluated Internal Assessment Examination answer books are distributed to the students within three days after the examination is conducted. If there is any grievance in the evaluation, the students can approach respective faculty members and the awarded marks can be discussed and justified.
- The Institute follows open Evaluation system wherein the students' performance is displayed on the notice board and also informed to the parents in online mode. All their grievances regarding evaluation are addressed by Dean/Head of the Departments.
- Assignments are given on each unit of the course and suggestions to improve their performance are also given after evaluation.
- Attendance report for every fortnight is displayed and uploaded in the JNTUH web portal and the same is communicated to the parents through online mode.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Response:

POs, PSOs, Cos are Published

- Mentioned in Institute Hand Book.
- Displayed in Institute Website.
- Printed on all practical record books.
- Published in Departmental News Letter.
- Displayed in Departmental Office.
- A Board having the mission and vision of the Institute as well as quality policy is mounted on

walls of the Institute office and inside Laboratories
- Circulated to students.
- Each and every faculty are aware about PO's and they will disseminate to the students.

File Description	Document
Upload COs for all courses (examples from Glossary)	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for Additional information	[View Document](#)

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

Institute has adopted Outcome Based Education which focuses on measuring student performance through outcomes. Course Outcomes, Program Outcomes, and Program Specific Outcomes are evaluated to measure the knowledge, skills, and behavior of students for the continuous quality improvement of each Course and Programs using the below-mentioned procedure.

- Initially, Course Outcomes are formulated as per Bloom taxonomy for all the courses.
- Then CO-PO and CO-PSO correlation matrix are set for all the courses in the program.
- Target Attainment Level is set for each Course Outcomes.
- Institute monitors and ensures the achievement of learning outcome through direct assessment method and indirect assessment method.
- For direct attainment, marks of Continuous Internal Evaluation Tests, assignment (other special components such as Quiz, mini-projects, case studies, seminar presentation, etc.) and University results are taken as input parameters.
- For measuring direct attainment level, Question papers for CIE are set based on the assessment pattern of University and Bloom's Cognitive level.
- For Indirect attainment, the Course Exit survey conducted at the completion of each course is used as an important tool. Using the weighted average score obtained in a Course Exit survey, indirect attainment level for each course outcome is measured.
- After measuring the CO attainment of each course, recommendations are put forth to the respective course to practice from the next academic year to improve the teaching-learning process.
- Program Outcomes and Program Specific Outcomes are measured using Direct and Indirect method
- For Direct Attainment of POs and PSOs, the average value of CO's of all the courses are taken as the input parameter.
- For Indirect Attainment of POs and PSOs, the following tools are used as input parameters,

1. Program Exit survey (Collected from passing out batch of students)

2. Alumni Survey (Collected after at least one year of graduation)

3. Employer Survey (Collected from Employer from industry survey)

Evaluation of CO, PO and PSO attainment helps faculty members to ensure outcomes are being reached. Further, they are useful for monitoring the students' performance in upcoming sessions, and improving teaching efficiency.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for Additional information	[View Document](#)

2.6.3 Average pass percentage of Students during last five years

Response: 81.29

2.6.3.1 **Total number of final year students who passed the university examination year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
429	479	437	454	601

2.6.3.2 **Total number of final year students who appeared for the university examination year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
511	578	594	576	689

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Paste link for the annual report	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document
Upload any additional information	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 35.33

3.1.1.1 **Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
11.45	7.51	5.68	5.09	5.6

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copies of the grant award letters for sponsored research projects / endowments	[View Document](#)
Any additional information	[View Document](#)

3.1.2 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 70.83

3.1.2.1 **Number of departments having Research projects funded by government and non-government agencies during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
4	3	3	3	4

3.1.2.2 **Number of departments offering academic programes**

2019-20	2018-19	2017-18	2016-17	2015-16
5	5	5	4	5

File Description	Document
Supporting document from Funding Agency	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.1.3 Number of Seminars/conferences/workshops conducted by the institution during the last five years

Response: 30

3.1.3.1 **Total number of Seminars/conferences/workshops conducted by the institution year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
14	4	4	4	4

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.2 Research Publications and Awards

3.2.1 Number of papers published per teacher in the Journals notified on UGC website during the last five years

Response: 2.17

3.2.1.1 **Number of research papers in the Journals notified on UGC website during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
118	92	77	76	80

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

3.2.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.44

3.2.2.1 **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
36	9	16	21	8

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

3.3 Extension Activities

3.3.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

The Institute sensitizes its faculty members and students on Institute Social Responsibility activities through structured forums like NSS. Departments will also undertake community and social beneficial activities like organizing community development programmes; Employment oriented training, Entrepreneurship Development, etc.

Social responsibility programmes are designed in such a way that the students get adequate exposure to the realities of life and realize their responsibilities. All the students are entitled to enroll in any one of the extension activity clubs such as NSS/NCC and earn at least one non academic credit by undergoing 24 hours of training. In addition, NCC wings are also formed to develop patriotism and protect the Nation. The training activities will normally be after class hours during weekends, and during vacation period. Every student shall put in a minimum of 75% attendance in the training and attend the camp compulsorily.

The following are some of the Social awareness programmes conducted to create impact on campus

experience of students:

- Blood donation camps in connection with local hospitals
- Health awareness programmes
- Sapling Plantation programmes
- Women empowerment programmes
- Flood relief camps
- AIDS awareness programmes
- Youth and Women empowerment programmes
- Swatch Bharat Bahaman (Clean India Mission) International
- YOGA day
- Digital Literacy campaign
- Voting awareness programmes
- Climate change awareness for youth
- Cancer awareness programmes
- Fit India Movement & Cyclotron
- Traffic awareness programmes
- National Integration programmes

Certificate of Excellence by Street Cause / NSS

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

3.3.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 14

3.3.2.1 **Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
5	3	1	3	2

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copy of the award letters	[View Document](#)
Any additional information	[View Document](#)

3.3.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

Response: 56

3.3.3.1 **Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
21	10	5	12	8

File Description	Document
Reports of the event organized	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.4 Average percentage of students participating in extension activities at 3.3.3. above during last five years

Response: 72.02

3.3.4.1 **Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
4500	752	500	1200	800

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.4 Collaboration

3.4.1 The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-job training, research etc during the last five years

Response: 99

3.4.1.1 **Number of linkages for faculty exchange, student exchange, internship, field trip, on-job training, research etc year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
23	9	14	27	26

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copies of linkage related Document	[View Document](#)
Any additional information	[View Document](#)

3.4.2 Number of   functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the last five years

Response: 60

3.4.2.1 **Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
19	9	7	16	9

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format(Data template)	[View Document](#)
e-Copies of the MoUs with institution./ industry/ corporate houses	[View Document](#)

14-04-2021 07:31:59

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

Infrastructure, ICT classrooms and Laboratories:

• Institute located in Western place of Hyderabad which caters the needs of stakeholders. It has excellent infrastructural facilities spread over 11.25 Acres of land with 18,180 Sq.mts of built up area.

- The Institute has raised its infrastructure facilities to 52 laboratories, 39 UG classrooms, 9 tutorial rooms, 2 Seminar Halls, 2 Drawing Halls, 2 Computer Centers, 2 workshops and 1 Auditorium.
- All the classrooms, seminar halls and many of the Laboratories are equipped with ICT facilities.
- All the laboratories are well equipped and maintained. Computer laboratories are installed with licensed software as well as open source softwares.
- 3:1 Student Computer Ratio is being maintained in the institute.

New /Augmented Laboratories in last 5 years

CE Department

- Surveying Lab
- Engineering Geology Lab
- Strength of Materials Lab
- Hydraulics and Hydraulic Machinery Lab
- Geotechnical Lab
- Transportation Engineering Lab
- Highway Engineering and Concrete Technology Lab
- Environmental Engineering Lab

ECE Department:

- Digital System Design Laboratory
- Analog And Digital Communication Laboratory
- Analog And Digital Electronics Laboratory
- Digital IC Application Laboratory
- Linear IC Application Laboratory
- Electrical and Electronics Laboratory

CSE Department

- Computer Organization Lab
- Operating system Lab
- Database Management Systems Lab

- Computer Networks Lab
- Design And Analysis Of Algorithms Lab
- Software Engineering Lab
- Python Programming Lab
- Web scripting Languages Lab
- Internet of Things Lab
- Case Tools & Web Technologies Lab
- Cryptography and Network security Lab
- Data Communication and Computer Networks
- IT Workshop & Object Oriented Programming Through JAVA Lab

IT Department

- Data Communication and Computer Networks
- Design And Analysis Of Algorithms Lab
- Software Engineering Lab
- Cryptography and Network security Lab
- Computer Networks Lab
- Java Programming Lab

H &S Department

- Engineering and Applied Physics Laboratory
- Engineering Chemistry Laboratory
- Computer Programming in C Laboratory
- Programming For Problem Solving Laboratory
- Basic Electrical Engineering Laboratory
- Workshop
- English Language Communication skills Laboratory

Library:

- The Institute has subscribed to many online journals such as IEEE, J Gate, DELNET,   e-Shodsindhu (N-List), Springer, Elsevier etc.
- Established excellent Digital Library and ICT facility.
- E-books are made available in the library.

Internet, Wi-Fi:

- 200Mbps dedicated leased line Internet facility is available to cater to the academic and research needs of the Campus.
- The Institute is Wi-Fi enabled.

The campus is under video surveillance with 60 CC cameras

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Response:

Quality physical education programs are needed to increase the physical competence, health-related fitness, self-responsibility, and enjoyment. A state-of-the-art Sports facility in the institute, facilitates both indoor and outdoor sports and games.

- The Institute provides indoor game facilities such as Table Tennis, Shuttle Badminton, Caroms, Chess, Table Tennis. Full time qualified trainer to train the students towards participation in State/National level tournaments.
- The Institute has adequate playground for outdoor games like Athletics, Cricket, Football, Kabaddi, Throwball, and Volleyball. Athletic Track Space for all field events like Javelin Throw, Shot put, Hammer Throw, Discus Throw, Jumps, *etc*.is available. State of art training is provided to students in all these sports. Students regularly participates in competitions. They win medals and awards in State and National level tournaments.
- An exclusive Gymnasium is available for the students and faculty in Block 1 of MRITS . It provides an arena for the body builders and the students who wish to maintain their general health. A number of ultra-modern equipment is made available.
- An exclusive facility for Yoga is provided with a dedicated yoga teacher for training both the students and faculty. Practicing yoga helps an engineer to a deep lasting personal transformation. Every year on June 21st, the International Day of Yoga is conducted where all the students and faculty members will proactively participate. Best performers are rewarded to encourage active and more participation.

The following Indoor and Outdoor facilities are available in Sports Complex.

1. Badminton courts

2. Table Tennis Tables

3. Chess Boards

4. Caroms Boards

5. Modern Gym with Imported equipment

6. Yoga Center

7. Dressing rooms for Players

8. A separate Medical Center with medical staff and adequate medicines

9. Cricket and Football Ground

10. Volleyball Court

11. Badminton Courts

12. Throwball Court

13. Kabaddi Court

14. 400mtrs Running Track

15. Athletic Track Space for all field events like Javelin Throw, Shot put, Jumps, *etc.*

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. *(Data for the latest completed academic year)*

Response: 100

4.1.3.1 **Number of classrooms and seminar halls with ICT facilities**

Response: 41

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format(Data template)	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 39.8

4.1.4.1 **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
153.53	138.29	228.17	253.14	154.78

File Description	Document
Upload audited utilization statements	[View Document](#)
Upload any additional information	[View Document](#)
Institutional data in prescribed format(Data template)	[View Document](#)

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

The library is automated with KOHA (18.5 Version) software for ease in transaction and circulation of books through Bar-coded ID cards. The library has 20 computers for student access with a speed of 100 Mbps with facility and 2 printers. User can access the online information about the availability of books. (OPAC) is a library catalogue accessed via a computer terminal for the benefit of library users. The basic purpose of the OPAC is to create a database of library holdings which provides an online catalog to help users in identifying and searching resources. Users can search a document, confirm its availability, reserve the book and even issue/return the material, etc. At any point of time, the electronic catalog was at the front line of service technology. With the growth of computer networks, users were able to access the library OPACs. Resources can be accessed through Wi-Fi in campus. Articles can be downloaded by the users from the e-journals by using their user id and password allotted by institution.

- Timings   : **7.00 A.M to 9.00 P.M**
- Area of the Library   : **763. Sq**. meters
- Seating Capacity   : **163**
- Open Access Facility   : **Available**
- Charging & Discharging   : **Automated**
- Automation Software   : **KOHA 18.5 Version** LIS Software
- Details of the Library:

Books:

No of Titles of Books		No of Volumes of books	
Required As Per Norms	Available	Required As Per Norms	Available
4980	**6411**	**28120**	**35271**

Print Journals: 136

S. No	Source	No
1	Indian	78
Total		**78**

E- Journals/Resources:

- IEEE
- N-List(E- Shodh Sindhu)
- K-HUB(Knowledge Hub)
- DELNET
- No. of CD/DVDs   : **1393**

Services:

- No. of Project Reports   :**1971**
- No. of back Volumes of periodicals   : **580**
- Average No. of Faculty Visiting the Library/day   :   **07**
- Average No. of Students visiting the library/day   : **317**
- Average No. of Books issued / returned per day   : **32.24**
- Library have the Open Access System
- OPAC -Online Public Access Catalogue for Searching Books and Circulation details
- Automated Gate Register
- Barcode Facility
- Reprography facility
- NPTEL Video Lectures By IIT Expert Faculty
- Internet facility
- Institutional Membership with DELNET,IEEE,N-LIST,NDL
- Books will be given against the production of Identity Card
- Student can borrow 3 books for the period of 15 days, additional 2 books are issue for the semester from library securing above 80 percentage achieving in previous semester and additional 1 book are issue for the semester from library securing 70 to 80 percentage achieving in previous semester
- Faculty can borrow 5 books for a period of one semester
- Books will not be renewed for same student, if there is a demand for that book.
- Every month declaring BEST LIBRARY USER Award for spending Maximum time in the library to utilizing library services.
- Every Semester declaring BEST LIBRARY USER Award for borrowing Maximum Books.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for Additional Information	[View Document](#)

4.2.2 The institution has subscription for the following e-resources

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases
6. Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format(Data template)	[View Document](#)

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 14.53

4.2.3.1 **Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
18.248	19.266	19.836	7.414	7.878

File Description	Document
Institutional data in prescribed format(Data template)	[View Document](#)
Audited statements of accounts	[View Document](#)
Any additional information	[View Document](#)

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the last completed academic year

Response: 30.45

4.2.4.1 **Number of teachers and students using library per day over last one year**

Response: 684

File Description	Document
Details of library usage by teachers and students	
Any additional information	

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Continual up gradation and monitoring of IT infrastructure is carried out by Computer Maintenance Cell and department infrastructure coordinators. Systems are regularly upgraded; components like Processor, RAM, Graphics Card and Hard drives are upgraded as and when required. Software Licenses are renewed periodically. CCTV cameras are installed in the college premises to monitor the campus activities. Number of nodes, projectors, printers, AC's, UPS and Network capacity is increased based on students strength and need. Campus is provided with 24 hours Wi Fi with a speed of 300 mbps

File Description	Document
Upload any additional information	
Paste link for additional information	

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 2:1

File Description	Document
Upload any additional information	
Student – computer ratio	

4.3.3 Bandwidth of internet connection in the Institution

Response: A. ?50 MBPS

File Description	Document
Upload any additional Information	[View Document](#)
Details of available bandwidth of internet connection in the Institution	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 60.2

4.4.1.1 **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
285.13	245.87	372.28	349.58	167.68

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format(Data template)	[View Document](#)
Audited statements of accounts	[View Document](#)

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

The college ensures the adequate availability of physical infrastructure and facilities as per guidelines given by the AICTE, JNTUH, UGC and NBA. The college plans and ensures adequate availability of physical infrastructure for the technical development and skills enhancement of the students. The college is located in the western part of the city approximately at a distance of 17 km from the Secunderabad Railway station and 70 km from the Rajiv Gandhi International Airport.

Planning and Maintenance of the College Infrastructure: Institution Development and Maintenance Cell (IDMC) is monitoring and maintaining the overall college campus infrastructures. The strategic plan prepared by the IDMC lays down the future perspective for creation and enhancement of Infrastructure to promote good teaching-learning environment. Elaborate presentation is made to the Board of Governors for approval and construction is then carried out as per the college policy

Academic Infrastructure: College has developed a state of the art academic infrastructure in consultation with the management, principal and department heads. Every academic year the academic infrastructure facilities are enhanced to cater the needs of additional intake, introduction of new programmes and technology advancements. Adequacy, appropriateness and ease of access to academic infrastructure facilities are ensured and monitored by the department infrastructure coordinator. Periodically reports are sent to the Principal and IQAC regarding infrastructure facilities. IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institution. The College is located in peaceful environment housing 39 classrooms, 9 Tutorial rooms, 52 Laboratories, 2 Workshops, 2 Seminar halls, an Internal Quality Assurance Cell , a Centralized library with reading halls, a Placement cell, Staff rooms, HoD rooms, a Research and Development cell and Industrial Institute Partnership cell. All rooms, auditorium, library and labs are well furnished and equipped with good quality furniture and fixtures. Class rooms are equipped with LCD projectors and glass boards. The entire campus is Wi-Fi enabled with 24-hour internet availability in all rooms. Adequate faculty rooms, boardroom and faculty meeting halls are available. Audio – Video facilities are available adequately and major locations have air – conditioned facilities. Civil engineers are responsible for the design, construction and repairing works, Electricians are inspecting the electrical systems, equipments and components to identify hazards, defects, need for adjustment or repair and to ensure compliance.

Sports and games Infrastructure: The college has adequate and excellent sports and games infrastructure facility for training the students to compete college level, Zonal level, District level, State level and National level sports and games.

Other Infrastructure: The college has student & staff Canteen. The entire campus is Wi-Fi enabled with 24-hour internet availability in all rooms.

Optimum Utilization: The college ensures optimal utilization of all physical and infrastructural facilities in the following ways:

Academic Infrastructure: The optimal utilization of academic infrastructure is ensured by: Extending facilities for opening Library beyond working hours. Conducting Government competitive examinations on Sundays and other holidays. Organizing seminars, FDPs, Symposium, Cultural events, Conferences, etc., through proper bookings. Conducting training classes for Defence students, Project Expo, etc.,

Sports and games Infrastructure The optimal utilization of sports and games infrastructure is ensured by providing sports facilities during early morning, evening hours for days scholars. The institute also provides its infrastructure to the Defence training for internal and external participants based on the need.

Other Infrastructure The dispensary is opened on 24x7 basis. Cafeterias are opened beyond college hours. Security Office operates on 24x7 basis.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 58.84

5.1.1.1 **Number of students benefited by scholarships and freeships provided by the Government year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
1279	1255	1240	1377	1428

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	[View Document](#)
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 3.88

5.1.2.1 **Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
71	97	89	81	95

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

1. **Soft skills**
2. **Language and communication skills**
3. **Life skills (Yoga, physical fitness, health and hygiene)**
4. **ICT/computing skills**

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 55.65

5.1.4.1 **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
810	1062	1707	1591	1064

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

Response: B. 3 of the above

File Description	Document
Upload any additional information	[View Document](#)
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View Document](#)
Details of student grievances including sexual harassment and ragging cases	[View Document](#)

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 58.97

5.2.1.1 **Number of outgoing students placed year - wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
344	314	329	345	399

File Description	Document
Upload any additional information	[View Document](#)
Self attested list of students placed	[View Document](#)
Institutional data in prescribed format	[View Document](#)

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 104.7

5.2.2.1 **Number of outgoing student progressing to higher education.**

Response: 535

File Description	Document
Upload supporting data for student/alumni	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

5.2.3 Average percentage of students qualifying in state/national/ international level examinations

during the last five years (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

Response: 47.36

5.2.3.1 **Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
101	112	85	131	102

5.2.3.2 **Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
208	219	235	248	212

File Description	Document
Upload supporting data for the same	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response: 70

5.3.1.1 **Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
16	16	12	19	7

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copies of award letters and certificates	[View Document](#)
Any additional information	[View Document](#)

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Response:

It is a Policy of the college To involve the students in planning and organizing various academic and administrative activities. To must this, several student bodies have been constituted. They are

1. Anti Ragging committee where the senior students gained the juniors for creating a welcoming atmosphere in the college so as to mask juniors to involve in new place and new course quickly.

2. Students are made as member of grievance and redressal committee to find out the facts in the issues related to students.

3. ISTE student chapter members will organize several academic and several activities which enhances their organizational abilities.

4. CSI, IETE, IEEE student chapter members will organize several technical events to share the latest technological advancement around the world in their concerned courses.

5. Sports council member will organize sports events. They also Participate in sports competition held elsed and win prizes.

6. Students have formed literature club to make themselves suitable worldwide.

7. NSS team of students show concern towards the society by serving the rural areas and assisting the needy people.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution

participated during last five years (organised by the institution/other institutions)

Response: 15.2

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
16	16	15	14	15

File Description	Document
Upload any additional information	[View Document](#)
Report of the event	[View Document](#)
Institutional data in prescribed format	[View Document](#)

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

MRITS is very proud of its ALUMNI who are either successful professional in various sectors of economy or passionate entrepreneurs. We aspire to draw on their support through Annual Alumni meets and look forward to their mentoring of our today's students through networking forums Bring back you college memories. Connect and be part of the mentoring the current students. Share your success mantra and make MRITS proud of your accomplishments. We would be interested to know about your journey that can inspire others whether it is research, academics, industry, entrepreneurship, or management.Connecting to the existing students in bringing in the Industry knowledge Groom/helping students on live projects/research Share and teach in the college on your passionate engineering subjects Share your innovative ideas with us, and co-research or co-create the products for global use.

File Description	Document
Upload any additional information	[View Document](#)

5.4.2 Alumni contribution during the last five years (INR in lakhs)

Response: A. ? 5 Lakhs

File Description	Document
Upload any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

The institute has a well established hierarchical system for effective implementation of the institutional goals stipulated in the Vision and the Mission. Institute quality policy is an Effective Source of Technical Manpower for the Nation and to contribute to the growth of the Nation by constantly upgrading the quality of Technical Education by meeting the challenging needs of the society and effectively coordinating the activities of the Staff, rural and urban Students and the industry while keeping the ethical and moral standards required.

The System of Governance

The Principal is the Academic and Administrative Head of the Institute, is supported by Deans, Heads of the Departments, IQAC coordinator, Accounts Officers, and Conveners of various Institute level Committees. The Academic and administrative aspects of the institute have been driven by different committees in force. Periodical meetings of committees will be held to discuss the fulfillment of the resolution made in the previous meetings and to propose action plan for future run of the institute.

The Institute's Policies, Strategy, Resources, as well as Operations and Quality Assurance later to the different facets of the Institute, viz. Academics, Research, Innovation and Entrepreneurship, and social Responsibility with Global Vision. The institute's hierarchy as well as functioning of various bodies is presented in the additional information attached. The role and involvement of faculty members as well as students and other stake holders are also included in additional information. There is a system of dissemination of powers and duties across the members of the institute which makes the faculty and students to feel their involvement in the day to day organization of the institute. The Governing body of the institute is the supreme authority to formulate the policies and plan the activities in the institution in an academic year. The Heads of various departments will receive the grants from the management for the resolutions made by the Governing body through the Head of institute. Faculty members as well as students are included as members of all committees which are responsible for taking care of tasks related to different cells, departments, library etc. This ensures decentralization of powers to maximum percentage of faculty and student members. The members always takes vision and mission of the institute as a reference while developing strategies for curricular aspects, governance, research related activities, inclusion of cross cutting issues into curriculum etc.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and

participative management

Response:

The Institute has a strong system for representing authority at all layers of the institute chain of command which brings the individual membership starting from Head of the Institute to the students. The college functions independently under the guidance and direction of the Governing Body which consists of renowned Professors and Industry people as its members.The principal allots certain powers to Heads and In- charges of the departments,Co-ordinator of the IQAC of the College, NSS officer, Librarian, Physical Education Director (PED), Training and Placement officer and delegate members of the Institute Department Academic Activities Committee (DAAC). Based on the need, they meet periodically to decide on the various issues. Bottom-up approach is practiced to make the decision making process more harmonized and inclusive.

The Heads are empowered to plan and execute their activities such as subject allotment, purchase of equipment and consumables, maintenance, organizing activities like guest lectures, Symposia, conferences, workshops, value-added courses, training for the placement seekers and all other academic related activities. They are empowered to recommend necessary In-plant trainings, internships, MOUs and industrial Visits.

In pursuance of its Action Plan for performance evaluation, assessment, accreditation and quality up gradation of institute of higher education, NAAC proposes that every accredited institute should establish an Internal Quality Cell (IQAC) as a post-accreditation quality sustenance measure.

IQAC of the college was established in the year 2011. Since quality enhancement is a continuous process, the IQAC has become a part of the institute's system and works towards the realization of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of the institute. For the same, during the post accreditation period, it has channelized all efforts and measures of the institute towards promoting its holistic academic excellence.At the department level, the academic coordinators and class in charges are empowered to perform academic related activities. The Heads frequently convene the Department Review Meetings to discuss the strategies and plans with the Academic Coordinators, Class In-charges and mentors.The lab In-charges are also provided with individual powers to lead their laboratories. They can also suggest the requirements and maintenance of the equipment.

Accounts department maintains budget under various heads to build clarity on income and expenditure. There are various budgetary requirements at Institute level like transport, career development centre, examination branch, operations, research and development, teaching learning process, engineering education practices, applied learning and administrative etc. All departments and Institute level responsible heads are invited to submit their budget proposals for every academic year with monthly break up. Labs in charges are asked to come up with requirements for repairs and maintenance, servicing, training, purchase of new equipment and upgrading laboratories. Head of the department organizes meetings to arrive at conclusion on what are the essential requirements for the department to accomplish vision of the department that includes budget required for student development activities like guest lectures, seminars, workshops and conferences.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The institute has a rigid system for long term Strategic and Perspective plan for continuous improvement and move towards the realization of its vision, mission and core values. The institute evolves it goals as given under.

Long term Goals:

- To Empower the teaching –learning process
- Center of excellence in Engineering and technology and to setup incubation centers
- Empowering of academic and R & D programmes in collaboration with reputed Universities and Industries.
- To attain autonomous Status and to maintain NAAC and NBA accreditations
- To increase number of patents and book publication.
- To Increase the Number of funded and consultancy projects.
- To motivate more faculty for indulging in Conferences/Workshops etc.

Medium Term Goals:

- Encourage Faculty and students towards pursuing higher studies.
- To improve Placements for students of the institute in Core Sector.
- To Improve Industry Institute Interactions.
- To encourage faculty to publish technical papers in prominent journals.
- To encourage Students to take part in national / International Conferences.

Short Term Goals (Annual Goals):

- To modernize class rooms and laboratories.
- To depute supporting staff for Technical training.

    At the beginning of every academic year, the Head of Institute mandates the IQAC to brainstorm and prepare the perspective plan. The IQAC in turn asks all the Heads and Conveners of Clubs/Cells and Associations to prepare their respective Perspective Plans in synchronization with strategy and in turn synchronize it with the Academic Calendar of events every year.

File Description	Document
Upload any additional information	[View Document](#)
Strategic Plan and deployment documents on the website	[View Document](#)
Paste link for additional information	[View Document](#)

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Response:

The Institute has a well-structured administrative setup with Governing Body as the highest decision making body and other functional bodies and committees. The administrative setup and the functions of various bodies are given in the link for additional information.

1. ADMINISTRATIVE SETUP :

The governing body is the apex body of the Institute, which is financial, administrative and quality policy making body, under which the entire college functions are being organized and controlled. This committee meets for a minimum of two times in an academic year depending on the Institute issues.

The Head of Institute in consultation with management implements the policy decisions of the governing body. The Head of Institute has the executive powers to administer the academic, development, and other functions. Heads of various departments assists the principal on all academic matters as well as related administrative aspects. The coordinators of all other cells directly reports to the Principal to enrich the institute to develop strength uniquely for all stake holders of the institute. Each department is headed by Departmental Head below whom all laboratories and faculty are functioning.

2. FUNCTIONS OF VARIOUS BODIES:

To provide policy framework and direction for the functioning of the institution, various committees play a vital role. These committees will evaluate, monitor and recommend in respect of various matters related to Institutional Capacity, Review, Design and Education Effectiveness, Research, Examination and Evaluation etc. for sustaining Institutional Capacity and Educational Effectiveness.

2.a Service rules:

Procedure, Recruitment and Promotional policies Service rules, policies and procedures for the institution are in place and documented. They are made known to all newly recruited staff members through a meeting in an induction programme. The Recruitment and the Scales of pay for various teaching positions is given as per AICTE.

2.b Recruitment Policies:

The process of recruitment includes: Invitations of application (Paper advertisement, through

references etc) Preliminary assessment of the suitability of the candidates (review of resume received) Invitation to applicants for a campus visit for the interview Assessment by Selection Committee and recommendation to the management for final decision on recruitment.

2.c Promotional Policies:

All promotions are by Selection Committee only. Eligible candidates shall be considered for promotion on the recommendation of the selection committee. Number of posts at various levels in each discipline shall be as deemed necessary by the college Authorities.

2.d Grievance and Redressal Committee:

The Grievance Redressal Committee of the Malla Reddy Institute of Technology and Science is established with an aim to provide easy and readily accessible procedure for prompt disposal of the day to day genuine grievances of the student and faculty community to maintain a congenial atmosphere. Any genuine grievance may approach the GRC to submit his/her grievance in writing to "The Convener, Grievance Redressal Committee, Malla Reddy Institute of Technology and Science or through suggestion box.

File Description	Document
Upload any additional information	[View Document](#)
Link to Organogram of the Institution webpage	[View Document](#)
Paste link for additional information	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
Institutional data in prescribed format(Data template)	[View Document](#)
ERP (Enterprise Resource Planning) Document	[View Document](#)
Any additional information	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The Institution ensures that the teaching and non-teaching staff are always encouraged in the campus to enhance their knowledge and improve their welfare.

Types of Leaves

1. Casual leave to the employees of the College shall be entitled to Twelve Days.
2. Special casual leave are entitled as special leave without pay up to seven days in a Calendar year.
3. Summer vacation of the College shall be for a period of Four Weeks in a Calendar Year.
4. Maternity and paternity leave up to a maximum of six months with pay is authorized to the women staff who complete one year of service in the present institution.
5. Commuted leave exchange of half pay leave into full pay on medical certificate or for prosecuting an approved course of study.
6. Encouragement for faculty for doing part time Ph.D.
7. Publication Incentives: For participation in the National or International Conferences and for publishing research papers in the National or International Journals, its registration fees and the cost for the participation are given. Remarkable publications are encouraged with prize money.
8. Sponsorship for knowledge up-gradation of Faculty members who are attending for STTPs, FDPs, Workshops, Seminars and Conferences for up-grading their knowledge.
9. Faculty members, based on the qualification, services, and outcome of the performance appraisal, are given promotion on to the higher post or financial benefits.

Incentives benefitsfor Faculty

1. Faculty Improvement Programme - The faculty members may be permitted to improve their Academic qualifications by attending Courses/Research work in higher Institutions of learning.

2. Traveling Allowance, Daily Allowance, Local Transport- Employees of the College when deputed to any outstation shall be entitled to TA, DA and other permissible expenses.

3. Consultancy, Workshops, In-house R&D And Teaching Assignments- MRITS encourages it's faculty to undertake consultancy and R & D activity within the institution or with other institutions / industries.

4. Bus Transport is given to all the MRITS employees.

5. Provident fund is paid by the Institute as per the statutory rules.

6. Medical Insurance is facilitated by the administrative department of the Institute to all the employees.

7. Grievance Redressal Cell is formed and faculty concerns are addressed as per the necessary schedule.

File Description	Document
Upload any additional information	[View Document]()
Paste link for additional information	[View Document]()

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.

Response: 20.91

6.3.2.1 **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
8	49	39	65	56

File Description	Document
Upload any additional information	[View Document]()
Institutional data in prescribed format(Data template)	[View Document]()

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 12

6.3.3.1 **Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
20	13	9	10	8

File Description	Document
Upload any additional information	[View Document](#)
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	[View Document](#)
Reports of Academic Staff College or similar centers	[View Document](#)
Institutional data in prescribed format(Data template)	[View Document](#)

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 57.49

6.3.4.1 **Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
306	61	57	84	61

File Description	Document
Upload any additional information	[View Document](#)
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	[View Document](#)
IQAC report summary	[View Document](#)
Institutional data in prescribed format(Data template)	[View Document](#)

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

The process of appraisal will consider, in addition to quantitative evaluation on the basis of faculty work norms, evaluation on qualitative performance which is reflected through the positive contribution of an individual faculty in overall development of the Institute and the subject area of specialization, feedback of the academic activities like teaching in academic programs, FDP or training programs of similar type. Hence, the feedback for teaching, training and research shall be an integral part of the faculty performance

appraisal.

The process for the performance appraisal system would be as follows:

- Workload of faculty
- FDP (or any other training program of similar type) (Load + Quality)
- Academic programs (Load + Quality)
- Research and publications (Quantity + Quality)
- Doctoral Programs supervised
- Workshops / seminars / conferences attended
- Institution building activities

Heads are administered with the feedback questionnaire to students for academic programmes and also for FDPs and any other training program of similar type. This information is being shared by the concerned HoDs to the Head of the Institute. Consolidated feedback is being shared with the individual faculty members. No individual faculty shall take feedback on their own cases from Students.

Faculty members shall receive the soft copy of the Performa for the academic plan and work performed from the respective Departments. They shall submit the same completed in every respect by June 30 as the case may be to their respective HoDs.

However, the course allocation meeting in the respective faculty area should also take place by first week of June every year. Dean along with faculty member shall discuss the research and training agenda of the forthcoming academic year. Department Heads shall compile this data along with the feedback for teaching, training and research. This is being followed by a meeting of the individual faculty member with the HoDs to complete the process of appraisal. The Appraisal Report of the faculty members is going to be the basis for writing their Annual confidential report.

Faculty Appraisal and Development System Committee (FADSC) will be constituted periodically to undertake a comprehensive evaluation of the faculty members. The period could be 3 years and shall also include past performances data. In addition to the student's feedback / FDP or any other training program of similar type, participant's feedback would be taken. Comprehensive evaluation would involve obtaining assessment of research outputs from internal / external experts.

The committee will recommend for appropriate action for the high performing and poor performing faculty members. Recommendation of the committee may be the input to the selection committee at the time of selection of the faculty to higher positions or for academic incentives.

Non - Teaching Staff

The non teaching staff members are continuously encouraged to enhance their skills in order to fit into fast varying technologincal trends. Training programs are being organized for acquainting them to the new softwares and systems used for accounts, academics and examinations. The library staff are trained to learn the operation of e-resources.

File Description	Document
Upload any additional information	<u>View Document</u>
Paste link for additional information	<u>View Document</u>

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The Institute has a well structured mechanism of internal and external audit.

Internal Audit:

This is done to ensure whether an expense incurred is in accordance with the budget approved. An internal approval system is in practice for all expenses made. Internal Audit is done by the Institute accounts section and the accounts department of the society office.

External Audit

Book of accounts are prepared as per statutory requirement and audited annually by External Qualified Charted accountants. Mr. C.R.K. Reddy & Co. Audit the trust documents and are responsible for filling of returns with Income Tax department and others.

File Description	Document
Upload any additional information	<u>View Document</u>
Paste link for additional information	<u>View Document</u>

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

Response: 9.37

6.4.2.1 **Total Grants received from non-government bodies, individuals, Philanthropers year-wise during the last five years (INR in Lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
1.60	1.25	1.10	2.00	3.42

File Description	Document
Institutional data in prescribed format(Data template)	[View Document](#)
Any additional information	[View Document](#)
Annual statements of accounts	[View Document](#)

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

-

    The Telangana Government regulates fee to be collected from the students for the colleges through Telangana Admission and Fee Regulatory Committee (TAFRC). The tuition fee fixed for the college depends on the infrastructure available, the faculty strength, and sanctioned students strength. The TAFRC takes the data from respective colleges in the intervals of every three years and conducts inspection to finalize the student's fees for undergraduate and post graduate courses.

The Institute has a mechanism to monitor the effective and efficient use of financial resources. Academic departments and others prepare their budget based on their requirements. Individual Departments budget are scrutinized by the Head of Institute. The Institute prepares yearly consolidated budget forallocation of funds for optimal utilization of available resources. The financial resources are monitored asper the Budget Proposal and Approved in the Budget Approval Meeting. All purchases are made as per procedure specified in the regulations.Stockregisters,consumable stockregisters and maintenance registers are maintained by the Departments and the Institute. These are regularly audited by the auditors.

    The tuition fees for economically weak students and students of backward and SC/ST are financed through scholarships from Telangana State Government. The eligible students apply for scholarship through college in the online mode and necessary assistance for applying the same is provided by the college. The sanctioning process and the realization of the fees from the government are generally delayed. Sometimes the management resort to appropriate the funds from the society to meet the expenses.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

The Internal Quality Assurance Cell of the Institute has developed several quality assurance mechanisms within the existing academic and administrative system. From the beginning the main objective of the cell is to plan and implement quality initiatives and monitor the progress. It follows its calendar for meetings, quality agenda and maintains its proceedings.

It also takes care of effective implementation of the recommendations of the NAAC Peer Team visit and NBA reports. It supports to conduct workshops, awareness programmes, special lectures on quality innovations, curricula, teaching-learning and evaluation, CBCS, Blooms Taxonomy, research oriented seminars etc.

It coordinates with all stakeholders for their opinions and advices for quality sustenance and quality improvement. The dissemination of information on various quality parameters of higher education is being taken care. It monitors documentation of the various programmes/activities leading to quality improvement.

It analyses the feedback received from all stakeholders and inform the concerned about its outcome for correction and modification. It also appreciates and encourage and provides support required by all stafff and their quality sustenance and quality improvement in teaching, research and administration

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives   )

Response:

The IQAC performs its functions based on its yearly plan. This plan helps the IQAC to perform its duties in an effective manner. IQAC meetings are being conducted quarterly once. Each department prepares its perspective plan with clear targets for the academic year. Action plan meeting is conducted every year, where Heads of the Departments presents the perspective plans at the beginning of every academic year. The targets fixed for the academic year are based on the target attained during the previous year. The Head of Institute and IQAC members are present for such meetings to review the plan and give suitable suggestions. Academic Audit is conducted twice in a year which includes departmental activities such as students' academic performance, placements, participation by students and faculty members in various events is submitted to the head of institute, which in turn is submitted to the management. These mechanisms help the IQAC to monitor the functioning of the departments and to provide a lending hand

wherever required. Feedback and suggestions given by the stakeholders, experts from academia and industry, NBA, NAAC team observations, IQAC Audits etc are taken meticulously and necessary actions are taken to have continuous improvement in Institute operations. Apart from this, the respective committees/bodies are responsible for the major decisions pertaining to their department.

Interaction with stakeholders

The management of the institute schedules regular meetings with the stakeholders. Aside from the regular meetings, the management is open to meet their stakeholder at any time. The Heads of the departments and faculty members communicate with the stakeholders regularly and on need basis. The grievances redressal cell addresses the issues of the stakeholder as and when raised. Feedback received through stake holder interactions are considered for continual improvement purposes.

Interaction with Students

The Institute believes that students are the ambassadors of our Institute. A group of 15 students are attached to a mentor, who meets their wards regularly. The mentor takes care of student's curricular, co-curricular, extra-curricular and their personal activities, and also counsels them suitably whenever required. Each class is attached to a senior faculty who acts as a class In-charge. The students express their views and suggestion in class committee meetings which are conducted at least twice in a semester. The Head of the Department also meets the student when required. The Head of Institute addresses the students on regular intervals. The management interacts with student representatives once in a year. The Head of Institute will be always available to meet student volunteers, club presidents for any clarifications or discussions. The students are involved as the members of the IQAC, Class committee, Department Academic Aassessment Cell, and hostel committee.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.5.3 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
2. **Collaborative quality intitiatives with other institution(s)**
3. **Participation in NIRF**
4. **any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: A. All of the above

File Description	Document
Upload e-copies of the accreditations and certifications	[View Document](#)
Upload any additional information	[View Document](#)
Institutional data in prescribed format(Data template)	[View Document](#)
Paste web link of Annual reports of Institution	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

1. The MRITS runs a robust sensitization program to promote gender equality with in girl students, lady faculty and lady Employees. Institute is co-education, which has led more equality among boys and girls, women and men in the following parameters

2. To develop their full potential

3. To preserve their personal integrity

4. To aim at economic independence

5. Tto participate fully in society and in political life

The Learning Outcomes from the course will be Students are being sensitized to basic dimensions of the biological, sociological, psychological and legal aspects of gender. This will be achieved through discussion of materials derived from research, facts, everyday life, literature and films Students will attain a finer grasp of how gender discrimination works in our society and how to counter it. Students will develop a sense of appreciation of women in all walks of life through providing accounts of studies and movements as well as the new laws that provide protection and relief to women

The motto of the institute is to present positive role models of women of the past and present in various events for removing stereotype thinking among Girls and boys students. Regular counseling from external senior lady officials' viz., Inspector of Police and Traffic Inspector, helps in continuous progress and reviewing of updated rules and regulations for the young girls of the Institute.

In Mentor-Mentee Scheme, students are counseled for enhancing the methodologies and affirming better relationships with every person in the intrinsic and extrinsic society. The students can contact their Mentors for clarification on academic, professional and personality related issues. This builds a confidential atmosphere among the students to explore any topic or situation and discuss any concerns they may have with mentor.

Dedicated Common Rooms are provided for female students with good ventilation facility and resting facilities where the girl students can sit, rest and go for recreation. In emergencies, a lady attender takes care of the student's needs. Students have access to first aid facilities and wheel chair.

During transit in the campus, canteen, library, sports area precautions are taken to monitor the movement of students to ensure safety. During lunch hour faculty from all departments assigned duties to monitor and ensure safety. Closed circuit cameras are installed at various points to record the activities of the people moving in the campus.

New course on Gender Sensitization is introduced from the Academic Year 2015-16 by the affiliating university. It is mandatory course and a bilingual textbook titled "Towards a World Of Equals" is recommended for the students. The objectives of the course are to Develop students Sensibility with regard to issues of gender sensitization Provide a critical perspective on the socialization of men and women Introduce students to information about some key biological aspects of gender Expose the students to debates on the politics and economics of work Help students reflect critically on gender violence Expose students to more egalitarian interactions between men and women.

File Description	Document
Specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document
Annual gender sensitization action plan	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. **Solar energy**
2. **Biogas plant**
3. **Wheeling to the Grid**
4. **Sensor-based energy conservation**
5. **Use of LED bulbs/ power efficient equipment**

Response: B. 3 of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

<> <>

Malla Reddy Institute of Technology and Science has designed methods for the management of biodegradable and non-biodegradable waste generated in the campus using the basic waste management strategy of 3R's:

- Reduce
- Reuse
- Recycle

This can be achieved by the following strategies

- Reduce the amount of waste generated
- Reuse everything to its maximum after proper segregation and cleaning
- Keeping things which can be Recycled aside and hand over to appropriate agencies.

The waste generated in the campus includes solid, liquid and E-waste which is both of biodegradable and non-biodegradable nature and chemical waste. Further there is no classified hazardous waste is generated in the campus.

The environmental policy of the institute is to minimize waste to protect the environment and boost the sustainability of environment. The technique adapted to minimizing waste is to find the source of creation and degrade the source of wastage. If not able to reduce it, then find the agency to recycle it. This makes the campus clean, hygienic and healthy.

The waste generated is classified into the following types:

Solid waste Management:

The regular practice followed by Institute is to collect the solid waste from the path way from each and every block. Solid waste includes both biodegradable and non-biodegradable components. So collected solid waste is segregated on regular basis and from these hazardous waste materials are removed such as plastic, polythene and broken glasses and are disposed properly to prevent the harmful effects on people and environment. To make campus plastic Free the use of polythene and plastic is strictly prohibited at canteen and college premises. A awareness programs are conducted on regular basis by the NSS volunteers quoting 'Say-No- To- Plastic' and use eco-friendly cloth and jute bags

Biodegradable waste includes food waste, vegetable peels, leaves from hostel and canteen are disposed using truck to keep the campus clean. Two separate bins are arranged at equal interval to collect the both biodegradable and non-biodegradable waste materials.

Liquid waste Management:

At Malla Reddy Institute of Technology and Science no hazardous or toxic waste is generated. The college is a litter-free area and littering is not allowed. However, arrangements with GHMC are in place to remove the waste generated in the college. The sewage water from entire campus is received through the underground pipe lines. The treated water is used as natural organic compost for our gardening. RO plant waste water is diluted and used for gardening, watering trees etc.

E-waste management:

E-waste or electronic waste is created when new laboratory facility is established in the institute. Electronic products such as computer systems, servers, monitors, compact discs (CDs), printers, scanners, copiers, calculators, fax machines, battery cells etc. are discarded after the end of its useful life. These items are either repaired or sold to the vendors who treat and dispose properly. We have sign MOU for proper disposal of these electronic items.

File Description	Document
Geotagged photographs of the facilities	[View Document](#)
Relevant documents like agreements/MoUs with Government and other approved agencies	[View Document](#)
Any other relevant information	[View Document](#)

7.1.4 Water conservation facilities available in the Institution:

1. **Rain water harvesting**
2. **Borewell /Open well recharge**
3. **Construction of tanks and bunds**
4. **Waste water recycling**
5. **Maintenance of water bodies and distribution system in the campus**

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	[View Document](#)
Any other relevant information	[View Document](#)

7.1.5 Green campus initiatives include:

1. **Restricted entry of automobiles**
2. **Use of Bicycles/ Battery powered vehicles**
3. **Pedestrian Friendly pathways**
4. **Ban on use of Plastic**
5. **landscaping with trees and plants**

Response: Any 4 or All of the above

File Description	Document
Geotagged photos / videos of the facilities	[View Document](#)
Any other relevant documents	[View Document](#)

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. **Green audit**
2. **Energy audit**
3. **Environment audit**
4. **Clean and green campus recognitions / awards**
5. **Beyond the campus environmental promotion activities**

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	[View Document](#)
Certification by the auditing agency	[View Document](#)
Certificates of the awards received	[View Document](#)
Any other relevant information	[View Document](#)

7.1.7 The Institution has disabled-friendly, barrier free environment

1. **Built environment with ramps/lifts for easy access to classrooms.**
2. **Disabled-friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment**
5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	[View Document](#)
Geotagged photographs / videos of the facilities	[View Document](#)
Details of the Software procured for providing the assistance	[View Document](#)
Any other relevant information	[View Document](#)

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

<> <>

Malla Reddy Institute of Technology and Science is always at the forefront for inviting diversity, enhancing self-esteem, encouraging students to have respect on different religions, languages and cultures. The institute keeps its efforts to give a feel that the college is a home away from home where the staff and students greet and wish each other with harmony at different fest.

During National festivals and related events in the college like Independence day, Interaction day, Dussehra celebration, Teacher day, Sankranthi Celebration, Republic day, FURCATEZ, Farewell Day, Annual Day(ANTACAN), Graduation Day, eminent personalities are being invited to emphasize the importance of tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities.

There are five student chapters of various professional bodies like CSI, IEEE, IETE, IE(I) and ISTE. Each professional chapter is individually maintained by the students with faculty advisor. They conduct many events technical and non- technical with a brainstorming discussion sessions. Then they come to conclusion how sequence should be in the event. All the members' harmoniously coordinate each other.

To achieve these objectives, mandatory course like Constitution of India, is incorporated as a small step to imbibe and inculcate these traits among the students. The Constitution of India is not only a legal document but it also reflects social, political and economic perspectives of the Indian Society. It reflects India's legacy of "diversity". Teachers deliver lectures with an acceptance and appreciation for different ideas, opinions, and learning styles of the students and make an earnest effort to understand the racial and cultural characteristics of students. Along with curriculum, additional communication and soft skills classes are being conducted to make the students to learn different backgrounds to communicate effectively.

Grievance Redressal Cell, Anti-Ragging Committee and Women Empowerment Cell aims at social protection, ensuring tolerance and harmony, reducing vulnerability, building human capital, empowering women and girls, cultural, regional inclusion.

Internship and Project work exposes the students to the practical challenges and also make the students different from backgrounds adapted to one another to create a tolerance and harmony in the organization.

NSS activities of our institution mitigate the socioeconomic diversities and progress them towards leading to a tolerant and harmonious living. NSS volunteers serve the people in National calamities without bothering cultural, regional, linguistic, communal socioeconomic differences. They work together under NSS coordinator

Students are involved and encouraged to participate in various co-curricular and extra-curricular activities to make them mingle with one another and share their opinions and disagreements in a harmonious manner. These efforts are in practice for overall growth of students viz. mentally, physically, socially, economically to contribute for the upliftment of the image of India among world countries.

File Description	Document
Any other relevant information.	<u>View Document</u>
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<u>View Document</u>

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

<> <>

MRITS is conscious about its responsibilities towards the Sensitization of students and employees of the Institute to the constitutional obligations*: values, rights, duties and responsibilities of citizens*. An audit course on constitution of India is introduced in second year so that student will know about their rights and their duties to followed as responsible citizens.

Keeping in view of this; the following are the programs are conducted

- 26 November Constitution day – MRITS celebrates Constitution day also known as national law day on 26 November every year to commemorate the adoption of the Constitution of India.
- 25 January National Voters day- MRITS celebrates National Voters Day in order to encourage more young voters to take part in the political process.
- 8 March women day- MRITS celebrate National women's day on 8th march to respect, encourage and appreciate the importance of women role in modern society.

File Description	Document
Any other relevant information	<u>View Document</u>
Details of activities that inculcate values; necessary to render students in to responsible citizens	<u>View Document</u>

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. **The Code of Conduct is displayed on the website**
2. **There is a committee to monitor adherence to the Code of Conduct**
3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
4. **Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims.	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

<> <>

MRITS organizes National Festivals, Birth and Death Anniversaries of great Indian Personalities to promote national unity, integrity and patriotism among the young minds. Thoughts of great Indian personalities sowed into the minds of students through the programs conducted on these days. Staff and students get to know the importance of national integrity in the country in general and their role in it in particular.

Keeping in view of this, the following are the programs conducted for the holistic development of students

- **15th August Independence Day**
- **26th January Republic Day**
- **14th April B. R. Ambedkar Jayanthi**
- **15th September Engineers' day**
- **5th September Teachers' Day**
- 12th January **National Youth Day**

Independence Day: The Institute celebrates Independence Day every year by a simple and elegant flag hoisting ceremony with the presence of invited Chief Guest, who unfurls the national flag followed by a beaming patriotism outshined during the singing of National Anthem.

Republic Day: The Republic Day is celebrated with gaiety and patriotic fervor at MRITS. On this privileged occasion, celebrations starts with the vibrant and elegant National Flag hoisting ceremony and the heartfelt renditions of patriotic songs arises feelings of love and brotherhood among everyone.

B. R. Ambedkar Jayanthi (Birth anniversary of Dr. Bhimrao Ambedkar) - Ambedkar Janmotsav Samiti is celebrated on the birth anniversary of Dr. B.R. Ambedkar with various processions and 'shobhayatra' across the country. The 'shobhayatra' focused on women rights, superstitions and save daughter issues.

Engineers day (Birth Anniversary of Sir M. Visvesvaraya) –The Institute celebrates this day on 15th

September consistently as an exceptional tribute to the best Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya.

Teachers Day: The Institute celebrates Teachers day to commemorate the birth anniversary of the second President of India, Dr. Sarvepalli Radhakrishnan, a great teacher and a staunch believer of education, on 5 September 1888.

National Youth Day: Swamy Vivekananda's birth day 12th January every year is observed as "National youth day" on this occasion in MRITS, a programme was conducted a message on the importance of health is delivered.

File Description	Document
Geotagged photographs of some of the events	[View Document](#)
Any other relevant information	[View Document](#)
Annual report of the celebrations and commemorative events for the last five years	[View Document](#)

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

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The institute's goal is to show its uniqueness to the students. To achieve this, the administration has devised few best practices. They are

- Induction program is made mandatory for all students to understand the need and usefulness of degree level education
- Students are mentored towards ethics, morals and social responsibility to live with broad understanding on the society
- Innovative teaching learning process
- Guidance to higher education in India and abroad
- Students are guided to do projects that helps to spread the technology in to every corner of the society
- Students are exposed to National and International community's by advising them to participate in certain conferences through webinars

- Implementation of sustainability measures
- Extending the facilities to the community through extension activities
- Stakeholders of the Institute especially students are encouraged to participate in the Institute Management through their memberships in various committees.

- The Institute has been conducting Faculty Development Programs
- The Internal Quality Assurance Cell [IQAC] and Academic Audit Committee (AAC) are instrumental in enhancing and assuring the quality of teaching and learning in the Institute
- Implementation of Internal and external Academic and Administrative audit
- Annual Self Appraisal for faculty is in practice
- The Institute has active and vibrant Governance and Leadership policies which are pivotal for promoting and upholding the standards and quality of the Institute.

One of the best practices followed by the institute is its Teaching Learning Process (TLP). The institute believes in student centric education process in the frame work of outcome based education. However, the students shall express their requisites to the faculty members in order to make the faculty to frame their lecture contents suitable for the requirements of the students. Every faculty member starts their subject at the beginning of a semester by mentioning course objectives and course outcomes. They also explain to the students the need for interpreting the contents in a manner suitable for present industry environment. The faculty members intermittently take the feedback from the students regarding the relevance of the course to meet their ambitions and for achievement of course outcomes. Any suggestions mentioned by students are being added as contents beyond the syllabus. They will be treated either by the in house faculty member or by hiring an expert from industry which helps the students to ascertain themselves as suitable for industry. In order to extend the instruction on emerging technologies, the following guidelines are well disseminated to the teachers and are the faculty are directed to follow them as a model.

- Identify discipline wise latest technologies/areas under use in industry
- Form groups of faculty and students by giving options in selecting the technology/area
- Call each group as "**XX……XX innovation cum R&D group**"

The specializations may be chosen from the following list by each department.

CIVIL

- Engineering Mechanics
- SM and FM
- Concrete Technology
- Environmental Studies
- Auto CAD
- E-tabs
- ANSYS

CSE/IT

- Python
- C, C++ & C# Programming
- Machine Learning
- Web Designing, HTML, .NET
- JAVA, MySQL , R, Database

- PHP, Android, IoS
- Windows, Linux, Ubuntu
- DAA & Cloud

ECE

- ANN
- Embedded softwares
- Matlab, Multisim, Xilinx
- EM waves, Antennas & Microwaves
- Network analysis & synthesis
- Electronic circuit design
- IC design
- Python
- C, C++ & C# Programming
- PHP, Android, IoS
- Windows, Linux, Ubuntu

H&S

- English Literacy
- Mathematical simulations
- Physics hobby projects
- Chemistry hobby projects
- Engineering workshop models

The road map comprising of functions and guidelines of groups is given below. HoDs are requested to follow the plan given and implement scrupulously.

- Innovation cum R&D Group
- Faculty team of at least 2 members
- Students team of 10 to 20 members
- Team Functions and Guidelines
    - Introduction about the technology by teacher
    - Presentation on awareness on the technology by students
    - Ideas on development of various projects related to technology
    - Literature survey, mathematical tools, related algorithms, implementation strategies
    - Project completion and presentation

Code to be followed by Head of the Departments:

- HoDs shall supervise academic administration of all years
- Allot teachers to different sections subject wise
- Form teams of teachers handling the same subject for different sections in a semester

- Arrange the seating for teachers in the departments so that the above team members will sit together
- All teachers allotted to a subject shall discuss daily to prepare a common lecture material, to deal the topics equally in all sections with the similar content and treatment
- In case of absence of a teacher on any day, one other teacher in the team shall teach the class. It shall not be substituted with other subject teacher
- In case of holiday on any week day, extra class is to be taken for the missed section to maintain the common coverage in the syllabus

General guidelines:

- Consider the year of study as a unit instead of sections
- To the extent possible, allot the work load to teachers' for the same year.
- It means, teachers have to be grouped year wise.
- A set of teachers will teach second year subjects and labs only. Another set of teachers will teach third year subjects only
- Irrespective of the section handled by the teachers, form groups of year wise and subject wise. Also form whatsapp groups in the same way
- Subject wise team of teachers shall discuss among themselves to maintain commonness in the syllabus coverage and for teaching the subject with the common content, common problem solving details and common standards
- Mathematical treatment, derivations, logic, algorithms, flow charts, graphs, problems/programs etc shall be prepared and taught commonly
- If commonness is followed as mentioned above, they can teach to any section on any day
- A teacher need not be confined to a particular section in a semester for teaching the same subject
- It is the responsibility of the group of subject wise teachers to discuss the seriousness, interest and involvement of the students
- HoDs shall regularly monitor the implementation of this system
- The student can approach any teacher for clarification of their doubts

The teaching learning process also includes

- Implementing Outcome Based Education System in curriculum
- Implementation of Choice Based Credit System (CBCS)
- Provisions to earn additional awareness through audit courses and online courses
- Field visits and career-oriented training activities are incorporated in the curriculum
- E-learning facility is developed where the Faculty members upload the lesson plan, detailed course material, question bank and relevant materials corresponding to their courses.
- Teaching Faculties are nominated as mentors to counsel students for their academic enhancement.
- The slow and the advanced learners are identified by the subject teachers as well as the student mentor. According to their level, the slow learners will be given more attention in following up their academics and creating exposure to new technologies available in the market.

The institute involves the students willingly to follow a specific code of conduct as detailed below.

1. I will attend all the classes regularly and punctually.
2. I will ask at least one doubt in a day.

3. I will study for a min of 4 hrs excluding record writing.

4. I will appear for all the exams irrespective of preparation level.

5. My ambition will be to get 80% marks in this semester.

6. I will do one mini project in this semester.

7. I will read any one English news paper daily for at least for ½ hr.

8. I will effectively utilize sports facilities provided in the campus during free periods.

9. I will check my mails at least once in 2 days.

10. I will check SMS only after 4.30pm.

11. I will not use mobile from 9.00am to 4.30pm in the campus.

12. I will wear ID card from 9.00am to 4.30pm without fail.

13. I will identify my weaknesses and try to improve them with the help of friends, teachers, books etc.

14. I will try to have at least 15 to 20 friends from my seniors.

15. I will try to interact with the students of other section(s) also.

16. I will actively participate in all the events organized by dept

17. I will not involve in ragging directly or indirectly.

18. I will develop the habit of drinking 4 lts of water daily.

19. I will watch notice boards daily.

20. I will visit library at least once in a week.

21. Where ever I go, I will carry my bag

22. I will not carry more than 100/- cash.

23. I will not be a party to mass bunking of classes.

24. I will switch off fans and Lights before leaving the class and will help in maintaining neatness of the class room.

Outcome

The innovative teaching learning process is increasngn the involvement of the students in all activities. The contribution of the students towards developing the zeal in achieving life ambitions is increased. The faculty members have become the elderly team members in the project groups to give a feel to the students that they are with them under any situations. The institute has identified paradigm change in the attitude of the students for building up a competitive career.

The second best practice innovated by the institute is in the parameter of student support and progression. The highlights are

- Institute conducts a number of student support and Progression activities such as academic, co-curricular and extra-curricular activities to ensure students' progression to higher education and employment.
- Institute has introduced 6 new programs after 2015.
- Institute has introduced academic topper, meritorious scholarships.
- Establishment of many professional chapters like ISTE, IEEE, CSI, IETE etc.
- Student's attendance and performance is intimated to the parents through SMS and in online mode.
- Increased number of on and off campus placements by companies of all categories.
- Wi-Fi Facility throughout the campus with internet bandwidth of 300Mbps.
- Motivation towards participation in National level events to win prizes by the students in co-curricular and extra-curricular activities.
- Involving the alumni in placement activities and regular academic growth of the Institute.
- Adding Student representatives in various committees, Academic council and IQAC.

- Provision of guidance to the students for GATE, IES, GRE, TOEFL and IELTS examinations.
- Initiation of Research and Innovative clubs
- Organization of National Conferences
- Extension of college library timings
- To encourage competitive spirit among the student community, the meritorious students have been offered the following benefits in the library. They are,
    - Five additional books being issued for the students with academic performance more than 80%.
    - Two additional books being issued for the students with academic performance in between 70%- 80%.
    - 10 additional books will be issued compared to the underperformed students.

- It has resulted in improved academic performance with higher probability in facing placement interviews by our students.

To fulfill the vision and mission, the institute is engaging the students in curricular, co-curricular, extra-curricular and social responsibility related activities. The faculty members are taking utmost care to nurture the future citizens of the Globe as productive, innovative, self disciplined, community service oriented to gain the characteristic of understanding the others to become responsible engineers. The institute believes that Quality will be the sustaining measure of success.

The POs, PEOs, COs etc will give a direction to set the short term and long term goals. The information related to POs, PEOs, COs etc are disseminated to all stakeholders physical and online modes. Outcome Based Education and Choice Based Credit System are in practice to maintain the academic system as student centric. Encouragement towards participation in Internships, Add-on courses, Certificate courses, Industry Oriented Mini Project and Major Project are widening the creative horizons of the students. Inclusion of contents beyond the syllabus are reducing the gap between industry and institute. Communication of information in physical as well as online modes related to regularity of students, performance in internal examination, grades obtaining in semester end examinations are improving the commitment of the students towards academics. Mentor-Mentee allocation is gaining attention of individuals. The students are making use of extended library hours to be highly productive. The literature available in the library related to courses of study of students and general knowledge is useful to the students to perform well in competitive examinations such as GATE, GRE, TOEFL, IELTS, TSPSC, UPSC, SSC etc. Further, the journals available are useful for research activities to present technical papers Nationally and Internationally. The professional societies are helping the students to learn managerial abilities of organizing events for big crowds. Various cells are effectively tackling the grievances.

Conclusion

The quality policy of the institute is to be an effective source of technical manpower for the Nation and to contribute to the growth of the Nation by constantly upgrading the quality of technical education by meeting the challenging needs of the society and effective coordination of the activities of the staff, students and the industry while keeping the ethical and moral standards required. The institute received "Quality Initiative Mission Educational Leadership Award 2013". The institute is included the in the list of India's Best Engineering Colleges 2020 with a rating of "AAA" by Careers360. The Principal of the institute has also received " Quality Initiative Mission Educational Leadership Award 2013" for his contribution in the field of Electronics and Communication Engineering. Further, the Principal has received "Best Engineering College Principal in Telangana" award from ISTE in 2019. The students of the

institute are exhibiting outstanding performance in All India examinations viz GATE, GRE, TOEFL, IELTS, UPSC etc. The students are working hard to build the working models of the projects under the guidance of their faculty members.   The organization of events periodically under several student professional bodies such as ISTE student chapter, CSI student chapter, IEEE student chapter, IETE student chapter are inducing the leadership qualities for organization team and improvement in confidence level to present their ideas before bigger crowds without nervousness for participants. The NSS unit of the institute is serving the society by participating in needy activities life Flood relief, Food supply during Covid-19 lockdown period, Blood donation camps, Digital marketing campaigns, Anganwadi schools. With such activities the students are understanding the society needs and developing strategies for meeting the needs differently for different sections of society. The students are excelling well in sports activities by bagging National and State level Trophies in sports, games and athletics. The institute is catering for overall growth of its students to nurture them to be responsible citizens of the Globe.

File Description	Document
Any other relevant information	View Document
Best practices in the Institutional web site	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

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The institute attracts attention of the public in several ways. Public are in search of distinctive institutes to admit their wards in the undergraduate program in B.Tech. They follow different media to gather information about the institute and identify its distinctiveness. Some of the ways are:

- People thoroughly study the website of the institute
- People watch for constructive news related to the institute in the electronic media
- People watch for articles published in the news papers related to academic and sports activities and their achievements
- People visits the institute and enquire about it with the students presently studying and they interact with the residents / shop keepers in the nearby areas

They will come to an idea about the institute after gathering information from all these sources. The parameters that they consider for choosing the institute as distinctive are:

- Regular academics in terms of teaching learning process
- Organization of induction program
- Organization of State, National level activities
- Instruction on topics beyond the curriculum

- Industry – Institute collaboration
- Guidance for higher studies
- System of mentoring
- Sports and games facilities
- Participation of students in the regular administration of the institute
- Status on ragging in the institute
- Involvement of students in anti – ragging committee
- Gender discrimination related training
- Training on Self protective methods for girl students
- Human values
- Professional ethics
- Moral support
- Coaching for admissions in to higher education courses in India and Abroad
- Communication of day to day information to parents
- Frequency of parent teacher meeting
- Appraisals on continuous internal evaluation
- System of remedial classes
- Library timings
- Literature available in the library
- Books on Indian constitution
- Equipment in the laboratory
- Availability of qualified faculty members
- Organization of National, Regional and other festivals
- Facilities for divyangas
- System of scholarships for meritorious students
- Infrastructure and its ambience
- Approachability with Head of institute, HoDs and other staff members
- Covid – 19 pandemic care based on SOPs released by competent authorities
- Organization of expert lectures by eminent personalities from industry and academia
- Organization of counseling sessions
- First aid care
- Canteen and the quality of food
- NSS activities
- Professional bodies performance
- Internships
- Technical paper presentations
- Development of innovative projects
- Campus recruitment training
- Placement status
- Alumni status
- Transport availability from all corners of the city
- Hostels
- Gymnasium

The above parameters are well fulfilled by the institute. Highly distinctive practices in the institute are

- **Induction program** tunes to students to a new system of education. This is organized as a program soon after the students took the admission in to the institute. The first year class work

begins with induction program. Focus will be on

- Developing awareness on the difference between study up 12th standard and degree level education
- Developing the scope of the course and detailed strategy for successful completion of the degree
- Orientation towards the importance of practical designs
- Orientation towards development of interest in participating in internships
- Orientation towards searching for latest technologies in the area they have joined
- Familiarization on the facilities available in the college such as locations of library, laboratories, class rooms, sports room, Gymnasium, Waiting halls, Wash rooms, Professional bodies etc
- Organization a city tour to make them familiarize with the places and industries in the city

Outcome:

With this the students will come out of home sickness and finds that new institute is a home away from home and they can quickly and rightly involve in studies for shaping their future.

- **GATE/GRE/TOFEL coaching** prepares the students to make up their minds towards pursuance of higher education either in India or Abroad
  - Special coaching sessions by in house faculty as well as resource persons from outside is being arranged to train the students
  - Focus is on clarity of fundamentals so that the students can build up the knowledge
  - Students are being involved in complex problem solving to enhance their quantitative abilities

Outcome:

With this the graduates are showing interest in continuation of their studies at a higher level in which they are involving in research and development

- **Library** which is a place for those who wants to become a person loaded with knowledge. Multiple distinctive resources available in the institute library are
  - Access to online resources
  - Digital library
  - Print journals
  - Reference books in diversified areas
  - Books related to preparation for competitive examinations

Outcome:

With this students are able to gain knowledge beyond curriculum for making themselves on par with global requiremens

- **Campus Recruitment Training** develops confidence in the students to face interviews of any company. The distinctiveness of this program is that:

- Students are being engaged in the participation of Mock interview
- Several audio visual aids are used to tune the minds of the students to make aware about the body language, verbal ability, accent, personality to be exhibited during the process of interview
- Exhaustive group discussion sessions are being organized to make them learn the abilities required for a win-win situation when they are in a group. It also mends them to acquire characteristics needed for becoming a team leader or manager

Outcome:

With this the students are able enhance their probability of selection in the placement drives.

- **Development of innovative projects** makes the students as creative to spread the technology to the common man in the society. The distinctive approach in this area are:
  - In house projects under the supervision of institute faculty are in practice
  - The areas identified are healthcare, banking, farming, environment and sustainability in which the working projects are useful for every citizen
  - Few projects are submitted for patenting

Outcome:

With this the students can transform themselves as suitable for the future world.

The institute is promoting its distinctiveness in diversified areas and attracting the attention of the society.

File Description	Document
Any other relevant information	[View Document](#)
Appropriate web in the Institutional website	[View Document](#)

5. CONCLUSION

Additional Information :

The quality policy of the institute is to be an effective source of technical manpower for the Nation and to contribute to the growth of the Nation by constantly upgrading the quality of technical education by meeting the challengind needs of the society and effectively coordination the activities of the staff, students and the industry while keeping the ethical and moral standards required. The institute is consistently producing excellent academic performance. The placements are exceptional. The institute received "Quality Initiative Mission Educational Leadership Award 2013". The institute is included the in the list of India's Best Engineering Colleges 2020 with a rating of "AAA" by Careers360. The Principal of the institute has also received " Quality Initiative Mission Educational Leadership Award 2013" for his contribution in the field of Electronics and Communcation Engineering. Further, the Principal has received "Best Engineering College Principal in Telangana" award from ISTE in 2019. The students of the institute are exhibiting outstanding performance in All India examinations viz GATE, GRE, TOEFL, IELTS, UPSC etc. The students are working hard to build the working models of the projects under the guidance of their faculty members. The organization of events periodically under several student professional bodies such as ISTE student chapter, CSI student chapter, IEEE student chapter, IETE student chapter are inducing the leadership qualities for organization team and improvement in confidance level to present their ideas before bigger crowds without nervousness for participants. The NSS unit of the institute is serving the society by participating in needy activities life Flood relief, Food supply during Covid-19 lockdown period, Blood donation camps, Digital marketing campaigns, Anganwadi schools. With such activities the students are understanding the society needs and developing strategies for meeting the needs differently for different sections of society. The students are excelling well in sports activities by bagging National and State level Trophies in sports, games and athletics. The institute is catering for overall growth of its students to nurture them to be responsible citizens of the Globe.

Concluding Remarks :

The institute is striving hard to meet the vision and mission as laid down in introductory note. To fulfill the vision and mission, the institute is engaging the students in curricular, co-curricular, extra-curricular and social responsibility related activities. The faculty members are taking utmost care to nurture the future citizens of the Globe as productive, innovative,self disciplined, community service oriented to gain the characterisitic of understanding others to become responsible engineers. The institute believes that Quality will be the sustaining measure of success.

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attention of individuals. The students are making use of extended library hours to be highly productive. The literature available in the library related to courses of study of students and general knowledge is useful to the students to perform well in competitive examinations such as GATE, GRE, TOEFL, IELTS, TSPSC, UPSC, SSC etc.Further, the journals available are useful for research activities to persent technical papers Nationally and Internationally. The professional societies are helping the students to learn managerial abilities of organizing events for big crowds. Various cells are effectively tackling the grievencies.