

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
500100

www.mrits.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

January 2018

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Malla Reddy Institute of Technology and Science (MRITS) has been established in the year 2005 under the dynamic leadership of Shri Ch. Malla Reddy garu . The institution is sponsored by Malla Reddy Educational Society. Shri Ch. Malla Reddy garu, our 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 college in the year 2002 and over a span of 7 years he established more than 10 professional colleges. He won as Honorable Member of Parliament (MP) for Malkajgiri Constituency which is in the jurisdiction of Hyderabad, Telangana State in the year 2014.

Our college has been approved by All India Council of Technical Education(AICTE), New Delhi, Accredited by NBA, Recognized by UGC, New Delhi under 2(f) & 12(b) , Certified by ISO 9001:2015 and Permanently 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 the rise the glory of our institution on to the highest peak of visualization.

Mission

- To establish an intellectual innovative capital by involving individuals, industries and academic.
- 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

- Faculty with mix of Industrial and Academic experience from Reputed Universities and IITs.
- State of the art Building, Infrastructure and Laboratory facilities.
- Computer Centre with Internet Connectivity.

- Effective Placement and Training Cell.
- Value Added Certification Training Programmes such as CISCO, Microsoft, etc.
- Project based Training programmes.
- Club for English Literature Skills.
- Power Supply at present is on Industrial Feeder. However Generator provision exists.

Institutional Weakness

- Faculty quarters are not available in the Campus.
- Attracting academicians with doctorate Degree not very encouraging due to proliferation of engineering Institutions in the Country.

Institutional Opportunity

- Scope for strengthening the industry institution interaction for better placements of students.
- To develop R&D activities by interacting with premier industries and reputed higher learning institutions.
- Enter into collaborative projects with industries and other institutions for better exposure of students.
- Networking with other institutions for sharing/acquiring know how of advanced technologies.
- Developing new 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

- To forge strong alliances with National and International organizations for academic and R&D activities in thrust areas of Engineering, Technology, and Management.
- Train the incumbants to get 100% employment.
- To apply for Autonomous in near future in the filed of Engineering & Technology with the expertise having enormous experience in respective fields.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

- The college has been conferred with NBA status from the academic year 2015-16 by NBA for 3 Years.
- The College has been granted the status of 2(f) &12(b) from the year 2015 by UGC under UGC act 1956, Government of India.
- The college has been certified by ISO 9001:2008 for 3 years from 2015 and upgraded to ISO 9001:2015 for 3 years from 2017.
- Formulation of Programme Educational Objectives and Programme Outcomes for all Programmes has been achieved.
- A rich curriculum and syllabus recommended by the affiliating university JNTUH, Hyderabad is implemented.

- Outcome Based Education (OBE) and Choice Based Credit System(CBCS) is 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.
- Modular courses have been introduced to enhance the capabilities of learning and to bridge the academic and industry gap.
- The fast track system devised in our institution enables the meritorious students to study advanced courses in the semester breaks and to undertake internship or industrial projects.
- The weightage 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, Human values, Professional ethics, NSS, NCC etc..
- Inclusion of courses related to areas specified by National Skill Development Corporation.
- Field visits and career-oriented training are incorporated in the curriculum.

Teaching-learning and Evaluation

- 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 for skill development which includes Employment Enhancement Courses, Open Electives and Field visits.
- Established a Club 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, complete question bank and relevant materials corresponding to their courses.
- 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 in India & abroad
- Inclusion of Higher Order Thinking Skill [HOTS] question in the examinations.

Research, Innovations and Extension

- Research and Innovative clubs are initiated and the seed money scheme has been setup by the management to encourage students and faculty members in developing innovative projects
- Management sanctions Rs.10 Lakhs every year 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.

- Faculty members publication in Scopus indexed Journals, IEEE Explore etc..
- The College has instituted the research award for faculty publications and for obtaining research grants from external bodies.
- The college is stepping forward in maintaining Industry Institute Partnership by signing Memorandum of Understandings (MoU) to carry out collaborative research and training.
- College sensitizes its faculty members and students on Institutional Social Responsibility activities through structured forums like NSS, NCC.
- Recognition and awards are received for various innovative activities from University, State level agencies and NGOs.

Infrastructure and Learning Resources

- Separate first year block has been marked to avoid ragging.
- Several new laboratories have been established with advanced state of the art equipments for modernizing the laboratories to provide hands on experience.
- Open auditorium with seating capacity of 1500 viewers has been established.
- Fully furnished Examination section with a separate confidential area to ensure academic integrity.
- Amenities have been provided to meet the requirements of AICTE, NBA.
- 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
- 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
- 2000 exclusive placement books are made available as a unique featured for student's career and development activities.
- 24X7 Wi-Fi enabled campus with internet speed of 100Mbps
- Campus is fully under surveillance with the CCTV cameras.

Student Support and Progression

- College has introduced 3 new programmes after 2012. The total students strength of the college is 2468.
- Management has introduced academic topper, single/No parent scholarship. During the year 2016-17 alone 70 students are benefitted through these scholarships.
- Establishment of many professional chapters like ISTE, IEEE, CSI,IETE etc..
- Students attendance and performance is intimated to the parents through SMS.
- Increased number of On & Off campus placements by companies of all categories .
- Publication of news letter by departments and college.
- Wi-Fi Facility throughout the campus with internet bandwidth of 100mbps.
- National level prizes won by the students in co-curricular and extra curricular activities.
- Alumni are actively involved in placement activities.
- Student representatives in Board of Studies, Academic council and IQAC.
- Coaching for GATE & IES examinations.
- To encourage competitive spirit among the student community, the meritorious students have been offered the following benefits in the library. They are

- For students with academic performance more than 80%, two additional books will be issued
- For students with academic performance in between 70% - 80%, one additional book will be issued compared to the under performed students
- This reward scheme has been in practice from last couple of years
- It has resulted in improved academic performance with higher probability in facing placement interviews by our students

Governance, Leadership and Management

- The College 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.
- NBA Accreditation for 3 programmes namely CSE, ECE & Civil Engineering.
- Stakeholders of the institution especially students are encouraged to participate in the College Management through their memberships in various committees.
- Internationalization of the institution through signing MoU with Foreign Universities for Faculty Exchange, research collaboration etc.
- Adoption of VI Pay scale to attract and retain eminent faculty.
- The college has been conducting Faculty Development Programmes.
- The Internal Quality Assurance Cell [IQAC] and Centre for Teaching and Learning [CLT] are instrumental in enhancing and assuring the quality of teaching and learning in the Institution.
- 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 is in practice.
- Regular Management Review Meetings for monitoring the academic progress.

Institutional Values and Best Practices

- Establishment of video conferencing facilities
- Conducting of Green Audit
- Campus wide implementation of the best practices
- Implementation of sustainability measures.
- Extending the facilities to the community through extension activities.
- Ready to invest approach by the management.

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	040-64634230	9348161221	040-2379225 3	mrits_pril@yahoo.co.in
Associate Professor	G.Anitha	040-27165041	9703330055	040-2379225 4	manitham81@yahoo.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 minority 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	10-04-2017	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
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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 Mais ammaguda,Dhulapally,Secunderabad-500100	Rural	11.25	17797

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	180	180
UG	BTech,Electronics And Communication Engineering	48	INTERMEDIATE	English	180	173
UG	BTech,Information Technology	48	INTERMEDIATE	English	60	40
UG	BTech,Civil Engineering	48	INTERMEDIATE	English	240	0
PG	Mtech,Electronics And Communication Engineering	24	B.TECH	English	18	0
PG	Mtech,Embedded System And Vlsi Design	24	B.TECH	English	30	0
PG	Mtech,Highway Engineering	24	B.TECH	English	24	0

PG	Mtech,Transportation Engineering	24	B.TECH	English	24	0
PG	Mtech,Wireless And Mobile Communications	24	B.TECH	English	24	0
PG	MBA,Masters Of Business Administration	24	GRADUATION	English	60	60

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				45				127			
Recruited	20	0	0	20	45	0	0	45	127	0	0	127
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	20				45				127			
Recruited	20	0	0	20	45	0	0	45	127	0	0	127
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				40
Recruited	28	12	0	40
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				40
Recruited	28	12	0	40
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				20
Recruited	14	6	0	20
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				20
Recruited	14	6	0	20
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	17	3	0	29	16	0	0	0	0	65
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	66	61	0	127

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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

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	240	4	0	0	244
	Female	149	0	0	0	149
	Others	0	0	0	0	0
PG	Male	36	0	0	0	36
	Female	23	1	0	0	24
	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	19	48	47	35
	Female	9	12	10	8
	Others	0	0	0	0
ST	Male	11	26	23	24
	Female	0	4	5	2
	Others	0	0	0	0
OBC	Male	128	225	219	240
	Female	66	83	93	77
	Others	0	0	0	0
General	Male	113	132	164	207
	Female	96	91	70	106
	Others	0	0	0	0
Others	Male	9	20	24	11
	Female	2	2	2	2
	Others	0	0	0	0
Total		453	643	657	712

3. Extended Profile

3.1 Program

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

Response : 10

Number of self-financed Programs offered by college

Response : 10

Number of new programmes introduced in the college during the last five years

Response : 4

3.2 Students

Number of students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1803	2480	2539	2366	2182

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

2016-17	2015-16	2014-15	2013-14	2012-13
413	453	577	577	577

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

2016-17	2015-16	2014-15	2013-14	2012-13
576	689	708	559	531

Total number of outgoing / final year students

Response : 576

3.3 Teachers

Number of teachers year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
210	213	220	200	175

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

2016-17	2015-16	2014-15	2013-14	2012-13
204	213	208	196	174

Number of sanctioned posts year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
204	213	208	196	174

Total experience of full-time teachers**Response : 165****Number of teachers recognized as guides during the last five years****Response : 10****Number of full time teachers worked in the institution during the last 5 years****Response : 787****3.4 Institution****Total number of classrooms and seminar halls****Response : 46****Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)**

2016-17	2015-16	2014-15	2013-14	2012-13
699.62	591.59	632.97	512.74	425.12

Number of computers

Response : 1042

Unit cost of education including the salary component(INR in Lakhs)

Response : 69240

Unit cost of education excluding the salary component(INR in Lakhs)

Response : 25413

NAAC

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:

The college meticulously develops action plans for effective implementation of the curriculum. At the outset, the advisory committee of the college conducts protracted meetings with the staff members of various department heads to develop various strategies for effective implementation of the curriculum. Teachers are encouraged beforehand to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits, computer education apart from regular/traditional teaching methods.

Thereafter, the staff members of various teaching departments conduct their internal meetings and develop academic plans for the forthcoming academic year. 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 college follows the academic calendar issued by the affiliating university.

Lesson plans and course files are maintained by each faculty for their respective subjects allotted, which have been reviewed on continuous basis by the review committee. Thereafter, the college plans the academic schedule as per the university calendar which includes the details like the topics to be taught and number of working days allocated to respective topics, the amount of syllabus to be covered in various classes, by conducting midterm exams and end semester examinations.

File Description	Document
Any additional information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 0

1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of the certificate/Diploma programs	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 20.1

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
8	9	8	7	8

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 40

1.2.1.1 How many new courses are introduced within the last five years

Response: 4

File Description	Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Details of the new courses introduced	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 10

File Description	Document
Name of the programs in which CBCS is implemented	View Document
Minutes of relevant Academic Council/BOS meetings.	View Document

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

Response: 30.67

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

2016-17	2015-16	2014-15	2013-14	2012-13
643	657	712	741	695

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

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics 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 will be played and explained to the students. Further, students will be encouraged to discuss among themselves by creating a situation and arrive 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 will be taught and practiced by the students. This increases concern toward the society for healthy living at least for next fifty years. As it has been observed by many, the rich heritage of India and Indians has been diminishing. 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 regorously. All above steps helps the students to develop their personality to become good citizens of India and valuable contributors of World.

File Description	Document
Any Additional Information	View Document

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 9

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 9

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 11.65

1.3.3.1 Number of students undertaking field projects or internships

Response: 210

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

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise

A.Any 4 of the above

B.Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above**Response:** E. None of the above

File Description	Document
Any additional information	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:**A. Feedback collected, analysed and action taken and feedback available on website****B. Feedback collected, analysed and action has been taken****C. Feedback collected and analysed****D. Feedback collected****Response:** E. Feedback not collected

File Description	Document
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 percentage of students from other States and Countries during the last five years

Response: 0.27

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
5	6	11	4	5

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 86.18

2.1.2.1 Number of students admitted year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
453	643	657	712	742

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
480	678	744	948	948

File Description	Document
Institutional data in prescribed format	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per

applicable reservation policy during the last five years**Response:** 74.59

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
244	420	423	399	454

File Description	Document
Institutional data in prescribed format	View Document

2.2 Catering to Student Diversity**2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners****Response:**

Based on classroom interactions and performance in various assessments, slow learners are identified. Based on the requirement of the slow learners, remedial classes are conducted. The performance of the students in internal assessment tests are informed to their parents through SMS. Remedial classes are also being conducted for those who failed in end semester examinations to get pass in arrear examinations. Special classes are conducted in Mathematics especially for hostel students. 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. the college regularly conducts study on the incremental academic growth of different categories of students. Based on the performance, skills, area of interest and academic records, the students are categorized as Slow Learner and advanced Learners. These analyses and their academic growth are presented and discussed in the monthly IQAC meetings and steps are taken to help such students.

Steps taken for slow learners

- Extra classes during evening hours or based on their convenience
- Discussing University Question Papers
- Personal attention during Tutorial & Lab Classes
- Discussing the student progress with their parents at regular intervals.
- Bridge courses for lateral entry students
- The Telugu medium students who face problem with English as medium of instruction are given 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
- Motivation lectures

- Psychological counselling for the needy students

These initiatives are periodically monitored by the HoD/Dean after each internal assessment tests. The results are discussed and the steps taken are reviewed for further improvement. The initiatives and results are also discussed in the IQAC Meeting where new methods are suggested for further improvement. An academic audit is conducted at the end of each semester to review the results and the report is submitted to Principal for further action. The PEO's, PO's and CO's are assessed based on the results obtained and the same is presented in the Program Assessment Cell for discussion, based on which the areas to be improved are noted and appropriate methods are suggested by the members.

Improvements Observed in the following areas

- Increased academic performance
- Students' participation in internships, industrial project, in-plant training
- Placement rates have been improved
- Students' participation in national and international competition
- The students have identified their strength and weakness.
- Able to build Self Confidence

2.2.2 Student - Full time teacher ratio

Response: 8.84

File Description	Document
Institutional data in prescribed format	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

File Description	Document
Institutional data in prescribed format	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:

Student centric learning methodologies are adopted for effective teaching learning process. All the theory courses predominantly follow the lecture method. However the college does not stick to the conventional teaching methods and additional teaching pedagogies are

followed for the effectiveness of teaching-learning process as shown below:

- ICT aided lectures
- Web portal for teaching material 24×7 accessibility to students
- Flipped classroom
- Video case study
- Field trips/ jigsaw method
- Video lectures from NPTEL
- Puzzle based critical thinking
- demonstration/ working models for better understanding of concepts
- Proactive student leadership group
- Bridge courses for slow learners and special training for advanced learners
- Case study, role play, charts, think-pair-share, Multiple Choice Questions, Analogy etc.
- Brain storming sessions, group discussions
- Activity based learning, Project and Problem based learning.
- Industrial visit, Industrial expos, Industrial exhibition etc.
- In-plant training
- Internship
- Technical exhibition
- Technical seminar
- Project based learning
- Experiential learning
- Web based learning/ Webinars
- Research based learning
- Computer assist learning

Outcomes of learning methodologies

- The field visits give the students an opportunity to gain practical knowledge about the working of an industry and make the understanding of complex concepts easy.
- The ICTs based classroom teaching make the concepts interesting.
- Mini/ major projects help students to apply the theoretical concepts in practice.
- Seminars give the students an opportunity to update their technical knowledge and also improve their communication skills by ways of interacting with others.
- Case study improves the critical thinking of the students
- Webinar brings the world best seminar on web
- Internship gives the opportunity to students to work on a real time project in the company environment. This enables him to understand the gap between industry and academia.
- In-plant training and industrial visit gives the industrial exposure

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 98.04

2.3.2.1 Number of teachers using ICT

Response: 200	
File Description	Document
List of teachers (using ICT for teaching)	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues	
Response: 9.02	
2.3.3.1 Number of mentors	
Response: 200	
File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	View Document

2.3.4 Innovation and creativity in teaching-learning	
Response:	
<p>Different technics have been in practice in imparting education to the students at various levels. For teaching age old topics, the Professors and faculty generally uses chalk piece and glass board. Also the usage of White Marker board is in practice. These modes of teaching will give a feel of 2D teaching to the students. In order to show higher dimensional views of a physical phenomenon, the faculty uses certain softwares where in the objects can be created in 3D with animated effects. This further helps the students to understand how a phenomenon or object looks in various planes such as top view, front view and isometric view etc. To make it much more creative, some faculty members uses physical models of the objects and systems and show how the concepts yield to real working of the objects. To make the teaching innovative on the principles the faculty are teaching, the use dedicated softwares in the laboratories such as MATLAB, and simulate the variation in response of the system under consideration when certain parametric values are altered in order to optimize the design. The Faculty also plays the audio visual lectures delived by eminent professors from various IITs and NITs which have been available as NPTEL lecture series. This certainly upgrades the standard of the students as he gets an opportunity to listen to an IIT professor though he is studying in an affiliated college and it adds value to his knowledge quotient.</p>	

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years
Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 11.95

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
22	26	26	25	20

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document

2.4.3 Teaching experience per full time teacher in number of years

Response: 0.81

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	View Document

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 0

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years**Response:** 3.03**2.4.5.1 Number of full time teachers from other states year-wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
6	6	6	6	6

File Description**Document**

List of full time teachers from other state and state from which qualifying degree was obtained

[View Document](#)**2.5 Evaluation Process and Reforms****2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level****Response:**

- The students performance in Internal Tests is monitored regularly.
- To cater the needs of lateral entry students, special classes especially for the courses like Mathematics & Analytical courses are conducted.
- The advanced learners are encouraged to participate in project/design competitions and workshops, conferences and enroll in on-line courses.
- The Slow Learners are identified and special remedial classes are conducted.
- Regular assignments are given to improve the academic performance beyond the syllabi.
- Result Analysis is prepared and immediate corrective measures are taken to improve the performance of the students.
- The students performance is intimated to their parents and appropriate counseling is given for their betterment. The absentees are intimated to the parents through SMS daily.
- Courses, which required critical thinking, analysis & design, are taken into account during tutorial hours specially scheduled in the regular time table.
- The students individual data is maintained at the department level(UG & PG) by the concerned class advisors.
- The credentials like performance in examinations, seminar, workshops, technical events and extracurricular activities are recorded by the class advisors and acknowledged by HoD/Dean/Principal.
- Each student, on admission shall be assigned to a Tutor, who shall advice and counsel the student about the details of the academic programme and the choice of courses considering the student's academic background and career objectives.
- Evaluation at the end of every class to assess the understanding of the students.
- The performance of students in internal tests and project works are discussed in the department

meeting and also discussed in class committee meetings. Based on the discussion suitable steps are taken.

- To gain exposure towards industries and work place, internship & frequent industry visit are arranged.
 - Case studies focusing real world problems are discussed in the class rooms to improve problem solving skills.
 - Technical Seminars are conducted to update recent trends in industries.
 - Seasoned guest lecture are arranged for the students from academia/industry for the student exposure & Real life application.
-
- Result analysis review meetings are conducted at Institution level for every department immediately after the publication of results to assess the performance of the students and faculty members.

The institution has adopted table marking. Fair marking and evaluation is done purely by coding the roll nos. of the student's i.e. secret roll nos. More than this verbally the students are evaluated by group discussions, seminar and sometimes blackboard tests are also held for some interesting and short topics. It makes the evaluation challenging and interesting for students. Faculty members also try new innovations in their teaching skill to make evaluation more interesting and beneficial to the students. The college is affiliated to JNT University, Hyderabad. The university has initiated various evaluation reforms viz.

1. Introduction of internal assessment system.
2. Introduction of O.M.R Answer Sheets.
3. Introduction of table marking and evaluation through secret roll nos. So as to make each evaluation process more transparent.
4. Introduction of objective questions in the question papers. The college has adopted various university reforms concerning evaluation viz.
5. Same pattern of question papers are used for in house examination.
6. Internal assessment is conducted to the students as per the university criteria.
7. Class tests and unit tests are conducted to evaluate the performance of students.
8. Student centric learning through assignments, projects, seminars and practical sessions.

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

There is complete transparency in the internal assessment. The criterion adopted is as directed by the University. All the students are familiar about the transparency in internal assessment. The average will be calculated from the 2 examinations. After preparing the assessment report, it is submitted by the concerned teacher and the same is displayed on the notice board at the end of the session. The internal assessment is made by the faculty Members keeping in mind the following aspects / factors of students' Performance during the academic year:

- 1) Class attendance
- 2) Class assignments
- 3) Score in the term examination etc.

In spite of all the above aspects of the students, their behavioral aspects, independent learning and communication skill etc. are also taken into consideration during the assessing 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 Dean/ HoDs meeting, department meeting and also in class committee meetings. Based on the discussions suitable steps are taken.
- The students performance is intimated to their parents by SMS and appropriate counseling is given for their betterment.
- The corrected Internal Assessment Examination answer paper is distributed within three days after the last exam. If there is any deviation in the evaluation, the respective faculty members are approached and the marks can be corrected.
- Management Internal Assessment Examination analysis meeting is conducted after every internal exam and as per the suggestions the corrective actions will be taken by the faculty members.

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

Response:

Internal Assessment Examination

- The corrected Internal Assessment Examination answer paper is distributed within three days of the examination conducted. If there is any grievance in the evaluation, the respective faculty members are approached and the marks can be corrected.
- The college follows open Evaluation system wherein the students' performance is displayed on the notice board and also informed to the parents. All their grievances regarding evaluation are addressed by Dean/Head of the Departments.

End Semester Examination

- clear about every grievance in his mind at the University level. For this process, somemade clear by showing his performance in the answer sheet. The student is made Students having grievances with the evaluation process and all the doubt are re-evaluation fee is charged from the student and evaluation process is again repeated. The examination are conducted and controlled by the university. The college has to follow the instructions of the university. If students have any problem, the principal of the college communicate to the concerning authority (Controller of Exams or other offices) of the university about the grievances of the students.

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

a. Academic Calendar:

An academic calendar is prepared prior to the beginning of every academic year and is issued to the students. The academic calendar contains reopening date, last day of class room instructions, schedule of internal test, holidays, Events planned etc.

b. Timetable:

The timetable is prepared before the commencement of each semester. The timetable incorporates courses, Laboratory classes, tutorial hour, library hour, seminar hour, sports and Career Development Programme hour. Further details like names of class advisor, tutor, course teacher, lab in-charge and assisting faculty, seminar in-charge and tutorial assist are reflected in the timetable.

C. Lesson Plan:

Each faculty member prepares a lesson plan at the beginning of the semester. The lesson plan consist of following components

- Topic to be covered in a predefined time
- Teaching aids
- Text/ Reference books
- Content beyond the syllabus

The lesson plan prepared by the faculty member is duly verified by the HOD/ Dean of the department and forwarded to the Principal for final approval. Continuous monitoring is done by the department academic coordinator, HOD/ Dean and IQAC coordinator to ensure that classes are handled as per the Lesson plan prepared by the faculty. Surprise visits are carried by the Principal, Director and Quality Assurance Cell to monitor the same.

d. Evaluation Methods:

The performance of students is measured by the Internal Assessment Examinations. Each Faculty maintains course file which contains logbook, lesson plan, course material, students name list, time table, test marks, IA question papers with answer key and its sample answer sheet, question bank etc. Internal Auditing is done to verify the evaluation of answer books and faculty log book by Academic Audit Committees which are constituted on an adhoc basis once in a semester.

The students are assessed on a continuous basis by conducting two/ three tests per semester (IAEs) and the answer scripts are evaluated within 3 days after the examinations. Unit wise performance evaluation tests are also conducted. Question banks are available in the department server at the beginning of the semester. The answer papers are returned to the students and an opportunity is given to the students to discuss the evaluation with the teacher. The attendance at the end of every month is communicated to the students through letter/ SMS. Research based assignments and assignments based on Apply, Analyze, Evaluate or Create (HOTs) levels of bloom taxonomy are given and evaluated.

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

POs,PSOs,Cos are Publiushed

- Mentioned in college Hand Book
- Displayed in College Website
- Published in Departmental News Letter
- Displayed in Departmental Office
- A Board having the mission and vision of the college as well as it is mounted on walls of the college office and inside the department
- Circulated to students
- Each and every faculty is aware a about PO's and they will disseminate to the students

File Description	Document
COs for all courses (exemplars from Glossary)	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution**Response:**

Institution monitors and ensures the achievement of learning outcome through direct assessment method and indirect assessment method.

Direct assessment method

In direct assessment method, learning outcomes are monitored and evaluated through following means,

- Internal and end semester examination
- Assignments
- Online quiz
- Mini project
- Main project

Indirect assessment method

In indirect assessment method, learning outcomes are monitored and evaluated through following means,

- Group Discussions
- Seminars/ Case studies
- Role Plays
- Project-based, problem-based and activity-based learning

Ensure the achievement of learning outcomes

The learning outcome is ensured by mapping the course outcome (COs) with programme outcomes (POs).

Course outcomes, results, placement:

Direct and indirect means of collecting data related to student learning outcomes are adopted. The direct methods of data collection include the core academic process. Indirect method of collection includes feedback from the stakeholders and the student's participation in different activities during the course of study.

The tools used for analyzing the attainment of outcomes are:

- Assignments once per semester
- Online quiz twice per semester
- Examination results
- Exit survey once in a programme
- Alumni survey as and when needed
- Employer survey as and when needed

Direct Assessment of PO attainment

The Programme Outcome attainment analysis is done using MS EXCEL as detailed below:

- The admin enters the subject allotment details
- The faculty handling the Course enters the course outcomes, CO-PO mapping along with the assessment weightage for each and every CO.
- The faculty then enters the internal test questions with details of question number, CO number Cognitive level and maximum marks.
- In the next stage, faculty enters the marks scored by students in the internal tests against the question, which in turn is mapped into the performance of the students on different COs.
- The PO attainment is computed from the CO attained by the students and is average of the students score.

Indirect Assessment of PO attainment (through feedback)

The attainment of POs is also evaluated by obtaining feedback from various stake holders. The feedback from the students directly assesses the attainment of POs. However for getting feedback from other stake holders well defined criteria are used in the feedback form. Hence it is required to map those criteria to the POs as per the following steps:

- The POs weightage (Mapping of criteria to POs) satisfied by each criteria of the Student, Faculty, Domain Focus Group, Alumni and Employer feedback forms are decided by HOD and a team of faculty members. The feedback from the stakeholders is collected and the attainment of POs is calculated. The deviation between the expected and attained level will be taken into account while redefining the Pos. Use of evaluation results towards improvement of the programme The results of the assessment of attainment of POs from various stakeholders are collected, analyzed and the deviations from the objectives (75%) are sent to the PO review committee for further review. Gaps in achieving PO are filled by:
- Conducting Value Added Courses and Workshops.
- Organizing guest lectures by eminent industrial and academic experts.
- Conducting special coaching classes for weak students. Plan to overcome the barriers of learning
- Alumni feedback is collected to modify or apply changes in the existing teaching methodology to overcome the barriers of learning.
- The feedback from Recruiters is considered as a measure to fulfill their requirements, thereby to achieve the learning outcome efficiently and effectively.
- Feedback from Management is received during the MRM meeting and suggestions

from Management are incorporated to strengthen the teaching-learning process.

- Based on feedback received from students, parents, recruiters and Management the following strategies are followed to overcome the barriers of learning.
- Students are divided into three categories as
- Slow learners – Special classes, Tutorial classes are given periodically to solve university question papers.
- Medium learners – Faculty advisors are assigned to counsel them to move to the next level.
- Advanced learners – They are encouraged to participate and win prizes in competitions, mini projects and other co-curricular activities in addition to their academic learning.
- Periodical class committee meetings are conducted to identify the difficulties in learning and remedial measures are suggested.
- Meetings with HODs are conducted by Principal for effective implementation of academic schedule and the flaws & other issues of implementation will be taken for discussion to overcome the academic barriers.
- A judicial planning is done for conducting guest lectures, seminars, coaching classes and tutorial classes in the academic schedule by each department to transfer the knowledge constantly and consistently in order to achieve the learning outcome.
- Through the above said feedback mechanism, short comings and remedial measures are addressed and also taken to the Governing council for further planning.

File Description	Document
Any additional information	View Document

2.6.3 Average pass percentage of Students

Response: 71.4

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 417

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 584

File Description	Document
Institutional data in prescribed format	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.62

File Description	Document
Database of all currently enrolled students	View Document

NAAC

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 17.23

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
2.00	3.42	4.20	3.70	3.91

File Description

Document

List of project and grant details

[View Document](#)

3.1.2 Percentage of teachers recognised as research guides at present

Response: 0

3.1.2.1 Number of teachers recognised as research guides

File Description

Document

Institutional data in prescribed format

[View Document](#)

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.2

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 31

File Description

Document

List of research projects and funding details

[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

An innovative and incubation centre has been planned and established in the institution. The basic purpose of this centre is to arrange teams of students to discuss the recent evolutions in the field of technology around the world. Further discussions will be continued to understand the logic strategy and design aspects of evolution. The identity requirements of back end and front end for implementing these concepts on Successful completion of implementations of idea, the teams will exhibit to other teams . The same will be presented in different technical events organized else where the centre also organizes state and national level technical fests in association with leading professional bodies such as IEEE, CSI, IETE etc. To share the technology up dates among the young engineers to enhance their caliber and to promote indigenous innovativeness so as to keep India's pride on high in the world. The organization of technical fests are also finding usefulness in forming groups among engineering and technology students studying at various parts of the country. Hence, it overcomes the barrier of regionality and keep India as one to become the part in World Technical Community.

The technical and professional education can never be offered in isolation. To expose the students to the developing trends in the industry , Lords realized the need for an incubation centre where the students can acclimatize before joining the industries to pursue their careers. This resulted in the birth of 'NEST' an Incubation center that fills in the void between the student life and the professional phase making the transformation smooth and easy to adapt. The students can purse research activities, gain experience through handling live projects and industry specific activities.The Incubation center also coordinates with the institutional heads in the group and liasons with major reputed companies to establish their independent work place in the campus.

The has tied up with MNCs to develop content for their coursework for the South India region.The students are given projects that would allow them to develop content and then get the course serutinized by the in house faculty. These students are in turn paid by the company for their contribution and then recruited into the company at the end of their coursework.

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 5

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
List of workshops/seminars during the last 5 years	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
List of Awardees and Award details	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 0

3.3.3.1 How many Ph.Ds awarded within last five years

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document

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

Response: 0.66

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
19	1	25	45	41

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

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

Response: 0.19

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

2016-17	2015-16	2014-15	2013-14	2012-13
16	8	7	4	2

File Description	Document
List books and chapters in edited volumes / books published	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

The College sensitizes its faculty members and students on Institutional Social Responsibility activities through structured forums like NSS. Departments 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 students under autonomous regulation are entitled to enrol in any one of the extension activity clubs such as NSS and earn at least one non academic credit by undergoing 24 hours of training. 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
- Swachh Bharat Abhiyan (Clean India Mission)
- International YOGA day
- Voting awareness programmes

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 7

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

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	1	1	1

File Description

Document

Number of awards for extension activities in last 5 years

[View Document](#)

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 14

3.4.3.1 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

2016-17	2015-16	2014-15	2013-14	2012-13
4	4	2	2	2

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 0.13

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	4	2	2	2

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document

3.5 Collaboration

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

Response: 54

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

2016-17	2015-16	2014-15	2013-14	2012-13
8	17	10	7	12

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 9

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2016-17	2015-16	2014-15	2013-14	2012-13
0	7	1	1	0

File Description	Document
Details of functional MoUs with institutions of national, international importance, other universities etc. during the last five years	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

Malla Reddy Institute Of Technology & Science has adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, etc. The computer centers are equipped with high-end computers, accessories such as Laser, Inkjet and Dot matrix printers, scanners, LCD and OHP projectors are available. The College has in-house Computer Maintenance Team (CMT) for maintenance of computers and all other electronic laboratory equipment. Adequate financial allocations are made for internal maintenance work of all infrastructures. The campus is fully enabled with Wi-Fi at the speed of 100 Mbps. The college has licensed and open source software in various departments. As per AICTE norms, 857 systems and 43 printers are needed but college is equipped with 1267 systems and 86 printers. Computer and student ratio 1:6. In every department, ICT enabled classrooms are available internet connectivity for enhancing the teaching-learning process. The college has LCD Projectors and OHP to enhance the teaching & learning. CCTV cameras are installed in the college premises to monitor the campus activity and maintain security.

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

Response:

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.

The college focuses on overall personality development of students. To ensure this, a qualified physical director is appointed to take care of student development activities. The following infrastructure and special facilities provided for sports and cultural events. Physical educator is to encourage, motivate the students to be active. Physical educator evaluates the student's performance, attitude, level of physical fitness and monitoring disciplinary activities. Additionally Basket-ball and Volley ball coaches also available to train the students to perform well in competitions. Indoor sports facilities: The indoor game at our college provides facilities for Table Tennis, Shuttle, Badminton courts, chess, carom and other indoor games. A number of latest equipments are available for the students' use and the gym functions beyond college hours.

Indoor Sports Facilities:

S.No	Facility	No. of Fields	Play area (Sq.ft)
1	Chess	10	2000
2	Carroms	10	

3	Table Tennis	3												
Outdoor Sports Facilities:														
S.No	Facility	No. of Fields	Play area (Sq.ft)											
1	Shuttle badminton Court	1	1620											
2	Volley ball court	2	65340											
3	Cricket court	1												
4	Football 5's court	1												
5	Throw Ball	2												
6	Athletics Track	400M												
6	Javlin	1												
7	Discuss	1												
8	shortfoot	1												
<p>4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc</p> <p>Response: 43.48</p>														
<p>4.1.3.1 Number of classrooms and seminar halls with ICT facilities</p> <p>Response: 20</p>														
File Description		Document												
Number of classrooms and seminar halls with ICT enabled facilities		View Document												
<p>4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.</p> <p>Response: 51.36</p>														
<p>4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)</p> <table border="1"> <thead> <tr> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> <th>2012-13</th> </tr> </thead> <tbody> <tr> <td>450</td> <td>200</td> <td>200</td> <td>350</td> <td>250</td> </tr> </tbody> </table>					2016-17	2015-16	2014-15	2013-14	2012-13	450	200	200	350	250
2016-17	2015-16	2014-15	2013-14	2012-13										
450	200	200	350	250										
File Description		Document												
Details of budget allocation, excluding salary during the last five years		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 (2.2.9 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.

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

Title	Author	publication	Year of Publi	
GATE 2017 Civil engineering	B Singh	Made easy	2017	
GATE 2017 Computer Science & Information technology	B Singh	Made easy	2017	
GATE Computer Science		G K	2008	
GATE ECE		G K	2008	
GATE Electrical Engineering	Handam	Satya Prakash	2004	
GATE Mentor 2015(CSE)	Mittal Ajay	Cengage	2014	
GATE Mentor 2015(Civil)	Anbukumar	Cengage	2014	
GATE Mentor 2015(ECE)	Joshi sandeep	Cengage	2014	
A Modern Approach to Verbal & Non verbal reasoning	Aggarwal R S	S Chand	1994	
How to prepare for the CAT	Muneer Muhammed	TMH	2007	
Cambridge English Pronouncing	Danial Jones	university Press		

Dictionary				
Dictionary First reference for Young readers	Green wood Elinor	Dorling Kindersley	2003	
Longman Language Activator: The World's first pocket Dictionary	Longman	Orient Longman	2000	
Longman Business English Dictionary		Pearson Education		
Longman Dictionary of Contemporary English		Pearson Education		
Oxford Advanced Learners Dictionary		Oxford University Press		
Oxford Advanced Learners Dictionary of Current English	Webmier sally	Oxford University Press	2005	
Rogets thesaurus of Synonyms & Antonyms in Dictionary form	Roget P M	Goyal Saab	2002	
The International Dictionary Artificial Intelligence	Rayner William	PHI	1999	
Ultimate Family visual Dictionary	Evans Jo	Dorling Kindersley	2012	

4.2.3 Does the institution have the following:

- 1.e-journals**
- 2.e-ShodhSindhu**
- 3.Shodhganga Membership**
- 4.e-books**
- 5.Databases**

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 8.93

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
5.27	7.55	12.85	9.74	9.24

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Details of remote access to e-resources of the library	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 38.61

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 775

File Description	Document
Details of library usage by teachers and students	View Document

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 100 mbps

4.3.2 Student - Computer ratio

Response: 1.73

File Description	Document
Student - Computer ratio	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: >=50 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)**Response:** No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document

4.4 Maintenance of Campus Infrastructure**4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years****Response:** 100

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

2016-17	2015-16	2014-15	2013-14	2012-13
699.62	591.59	632.97	512.74	425.12

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	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, 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 heart of the city on , about 12 km from the Railway station and 10 km from the Bus stand.

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 access of 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 institutions.

The College is located in peaceful environment housing 41 classrooms, 9 Tutorial rooms, 53 Laboratories, 4 Workshops, 5 Seminar halls, an Internal Quality Assurance Cell , a Centralized library with reading halls, 3 Department Libraries, a Placement cell, Staff rooms, HoD/Dean 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. In addition to that audio – video enabled class rooms also available. Class rooms are equipped with LCD projectors, black and white board. 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, co-operative store. The entire campus is Wi-Fi enabled with 24-hour internet availability in all rooms.

Optimum Utilization:

The college ensures optimal optimum 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 hour and holidays.
- 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 utilization is ensured by:

- Providing sports facilities during early morning, evening hours for days scholars.

- Providing Defence training for internal and external participants.

Other Infrastructure

- The dispensary is opened on 24x7 basis.
- Cooperative stores are opened beyond college hours.
- Cafeterias are opened beyond college hours.
- Security Office operates on 24x7 basis.

NAAC

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 the last five years

Response: 64.55

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

2016-17	2015-16	2014-15	2013-14	2012-13
1455	1499	1614	1451	1237

File Description

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

Document

[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 5.42

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
110	120	125	120	135

File Description

Number of students benefited by scholarships and freeships besides government schemes in last 5 years

Document

[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling

- 3. Soft skill development
- 4. Remedial coaching
- 5. Language lab
- 6. Bridge courses
- 7. Yoga and meditation
- 8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 42.25

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

2016-17	2015-16	2014-15	2013-14	2012-13
1020	1114	992	838	770

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 0

5.1.5.1 Number of students attending VET year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of the students benefitted by VET	View Document

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

Response: No

File Description	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: 53.56

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

2016-17	2015-16	2014-15	2013-14	2012-13
258	348	360	339	324

File Description	Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 19.27

5.2.2.1 Number of outgoing students progressing to higher education

Response: 111

File Description	Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 100

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

2016-17	2015-16	2014-15	2013-14	2012-13
100	91	95	97	95

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
100	91	95	97	95

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document

5.3 Student Participation and Activities

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

Response: 0

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

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.

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 14.8

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
16	17	19	11	11

File Description	Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

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.

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

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: 4 Lakhs - 5 Lakhs

File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 5

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document

NVAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:



A brainstorming session has been conducted involving all the stakeholders of the institution. Management, Principal, Heads of the department, Faculty, Administrative staff, alumni and people from institution advisory bodies are invited to attend the session. An organizational development expert briefed the entire event schedule and rules. All participants were made into ten teams. Each team was asked to visualize where should the institution reach within a period of three years from then, five years from then and ten years from then. And also teams were asked to list the Unique Selling Propositions (USPs) of the institution while catering the needs of engineering students within the university curriculum.

All teams were asked to present their ideas with others and the moderator recorded all the responses. A document is made out of the responses recorded and submitted for next level of refinement.

The expert in consultation with the management team proposed draft vision and mission statements for the institution. The same was conveyed to all justifying inputs given by stakeholders and explaining reasons why certain ideas could not be incorporated while others have been inclusive with existing ideas. Two weeks of time was given for all stakeholders to comment and send suggestions on draft vision and mission. New comments and suggestions were reviewed and few more changes were made to vision and mission. Frozen vision and mission statements have been shared with the departments and other stakeholders.

Departments were asked to repeat the same exercise within the departments to arrive at conclusion on respective vision and mission of their departments. Vision & Mission of institution and departments have been shared through circulars, notice boards, website and signboards in the campus.

Staffs of the institution being regular contacting personnel with the students, all were involved to

contribute to form vision and mission of the institution and departments.

6.1.2 The institution practices decentralization and participative management

Response:

Accounts department maintains budget under various heads to build clarity on income and expenditure. There are various budgetary requirements at institutional level like transport, career development centre, examination branch, operations, research & development, teaching learning process, engineering education practices, applied learning and administrative etc. All departments and institutional 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 under repairs and maintenances, service, 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 o the department. That includes budget required for student development activities like guest lectures, seminars, workshops and conferences.

All proposals from various persons in charge, faculty, and students are discussed in department meetings, reviewed and forwarded to the reporting authority for further processing. Dean and principal consolidate all the budget proposals received from all the sub ordinates and organize a meeting to eliminate redundancy. There could be areas where multiple people must have proposed the same event. It is discussed in the meeting and concluded on under which wing it falls. Modified proposed budget combined with all departments is forwarded for Chairman's approval. Chairman calls for a meeting the leadership team and accounts for further refinement of the budget. A final proposed budget including all anticipated income and expenditure prepared by accounts department is presented to governing body for approval. As the document is an outcome of an integrated approach of participative process, it is approved by the governing body. Any objections or concerns by the members are discussed, recorded and decisions with majority of acceptance are used for making changes in the proposals.

Approvals of budgets are communicated to all individuals who proposed, through proper channel. Accounts department releases the fund as planned monthly.

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

The College has specific plans of development for its academic and administrative units and defined strategy for its implementation to improve the overall quality of the functioning of college. The perspective plan for college development, including strategies and policies has been drawn for every 10-years.

Teaching and learning

- Improvement of teaching – learning process through NPTEL, Video Conferencing etc.
- Adoption of Outcome Based Education (OBE)
- Implementation of Choice Based Credit System which allows flexibility in choosing courses and

electives.

- Focusing on developing global competencies and industry ready work force.
- Students centered learning and teaching process.
- Maintaining a rigorous feedback system for making improvements.
- Implementation and follow up of skill development for students through

Academic and Assessment record:

- Improving the student evaluation process by following the Bloom's Taxonomy
- Interactive and participative learning in all classes
- Experimental and Experiential Learning
- Smart classrooms facilities
- Implementation of innovative teaching pedagogies through CLT.

Research and development

- Encourage innovations, quality research publications and facilitating the infrastructure to pursue research activities.
- Undertaking various funded projects.
- Strengthening the relation with universities abroad
- Seed Money for students and faculty to encourage innovative research
- Encourage to do interdisciplinary projects
- Encourage faculty members to register for Ph.D. degree programme
- Taking up more consultancy projects

Community Engagement

MRITS Social Responsibility Initiative a community engagement activity by Institution.

- The students and staff members engage themselves actively in the community services through ,NSS etc.
- At least two community engagement activity by each department every academic year
- The students and staff members of MRITS have actively contributed to the national development by Blood Donation, Health Care Camps, Planting Trees, Clean India Activities, Usage of renewable energy, helmet awareness etc.
- Organizing events to local community such as computer literacy, Vehicle emission awareness, Green Buildings etc.
- Taking part in any social needs for the benefit of society in case of any environmental disaster [HudHud Cyclone in 2015].

Human resource planning and development

- Taking appropriate measures for the welfare of both teaching and non teaching staff by providing allowances, incentives, group insurances, permission for pursuing higher studies etc.
- Recruiting required number of quality faculty members and staff as per the norms
- Training for faculty to be effective teachers through IQAC.
- The faculty members are deputed to undergo faculty development program, seminars, workshops etc to enhance the Teaching Learning Process.

- Providing a good and conducive working environment
- Rewarding faculty members based on their performance
- Following participative leadership styles

Industry interaction

- The college always aims to have a good interaction with the industry, and believes that the gap between industrial need and academia could be bridged by MRITS regular interaction with the industry.
- Designing of industry based curriculum.
- Development of laboratories in collaboration with industries
- Establishing industry interaction through Industry Institute Participation Cell[IIPC]
- Imparting in-plant training/internship/industrial training to students and faculty members at industries
- Inviting more people from industry to deliver Guest lectures
- Conducting workshops/Seminars/FDPs/STTPs in association with industry
- Industrial Projects and Consultancy works
- Organizing HR Conclaves /HR meets to provide platform for students to have close interaction with HRs/Technical experts from reputed institutions.

Internationalization

- Curriculum to suit Global requirements
- Organizing international conferences, seminars etc by inviting experts from abroad.
- Signing MoU with California State University, Long Beach for Faculty Exchange, research collaboration etc .
- Many students do their higher studies in International universities.
- Accreditation by NBA-AICTE.
- Many students do their higher studies in International universities.

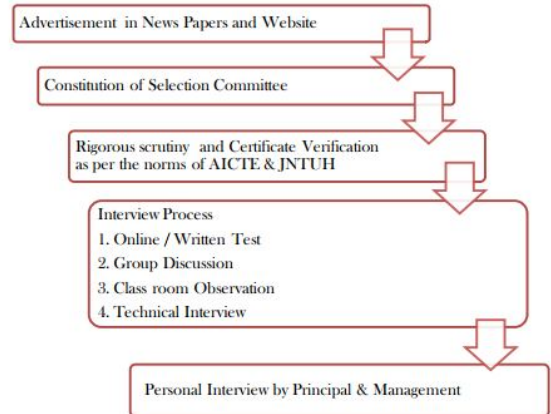
6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

The college follows a well-structured process for selecting the faculty members.

- Departments submit the faculty requirement based on the expertise required and also norms of the AICTE/ JNTUH University to the principal
- Principal consolidates the requirement of the departments and submit the same to the management for approval
- Advertisement is given in Newspapers and college website
- A selection committee formed comprises of Director, Principal, HOD, Senior Professor and Subject experts from other reputed colleges. The Selection committee duly constituted for the purpose as per the norms of AICTE/ JNTUH University will finally approve the selection and college issue the appointment order to the selected candidate.

- The skill sets expected from the candidates are academic, teaching, communication, Problem solving, human relation, organizational and research.



grievance redressal cell:

The Grievance Redressal Committee is formed as per Clause 1 of section 23 of the AICTE Act, 1987 (52 of 1987) AICTE. The Committee has been formed to provide easy and readily accessible machinery for prompt disposal of the day to day genuine grievance of the students and to make the students to pursue their education in a congenial atmosphere. The committee headed by the Principal looks into the grievances of the students based on the complaints received from the students. The person concerned with any grievance shall give a written letter with all possible facts and documentation and submit it to the Principal's office. The grievances submitted by the students are addressed in a systematical manner to maintain necessary confidentiality in the handling process. The committee will investigate into the matter and shall try to resolve it as quickly as possible.

Service Rules and Regulations Governing Appointments and Promotional Policies of Staff:

Unless there is something repugnant in the subject or context:-

1. "INSTITUTE" means MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE located at Maisammaguda, Dulapally, Hyderabad.
2. "EMPLOYEE" means a person who is employed in MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE.
3. "MANAGEMENT" means the Managing committee (Governing Body) of MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE.
4. "CHAIRMAN" means the Chairman of the Managing Committee of MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE.
5. "SECRETARY" means the Secretary of the Managing Committee of MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE.
6. "VACATION" means a department or part of a department to which regular vacations are allowed during which employees serving in the department are permitted to be absent from duty. Any period of recess in one spell or more in an academic year which exceeds 15 days shall be treated as a vacation.

II. PREAMBLE:

1. These rules shall be called as “MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE, HYDERABAD, SERVICE RULES AND REGULATIONS”

2. The service rules Applicable w.e.f 19.08.2005 are reviewed modified as per the Governing Body meeting vide dated 27th October 2011 and shall apply to all the employees of the institute including those appointed prior to the issue of these rules.

3. The Governing Body is the Competent Authority to amend the rules from time to time depending on the need.

III. RECRUITMENT

Class	Category	Designation of the Post
(A) Teaching Staff		
I	1	Principal
II	1	Professor
	2	Associate Professor
III	1	Assistant Professor
(B) Non - Teaching Staff		
IV	1	Physical Director
	2	Librarian
	3	Assistant Librarian
	4	Library Assistant
(C) Supporting Staff		
V	1	Laboratory Assistant / Programmer Lab.
	2	Technician Grade I to III
	3	Skilled Asst. / Library Asst. Lab.
	4	Asst./Binder / Roneo Operator
(D) Administrative / Ministerial		
VI	1	Administrative Officer
	2	Office Manager / Superintendent
	3	Accountant / Jr Accountant
	4	Office Assistant

	5	Typist
	6	Record Assistant / Store Assistant
	7	Office Attender
(E) Supporting Staff (Non – Teaching)		
VII	1	Driver
	2	Attendant
	3	Watchmen / Sweeper / Mali / Ayas

Note: Officers and employees under classes I, II and III will come under vacation category.

Employees under classes IV, V, VI and VII will come under Non Vacation category.

Employees under class IV to VII are transferable from one Department to another.

IV. APPOINTMENT:

Appointment to the several classes and categories of posts in the service shall be made as follows:-

Class	Category	Method of Recruitment
I	1	Direct Recruitment or Appointment on deputation by invitation
II	1	By Appointment on Deputation or By Direct Recruitment
	2	By Direct Recruitment or Invitation
III	1	By Direct Recruitment or By Appointment on deputation
IV		By Direct Recruitment
V		By Direct Recruitment
VI	1 to 3	By direct Recruitment or by Appointment on deputation by invitation
	4 to 10	By Direct Recruitment
VII		By Direct Recruitment

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

6.2.3 Implementation of e-governance in areas of operation

- 1.Planning and Development
- 2.Administration
- 3.Finance and Accounts
- 4.Student Admission and Support
- 5.Examination

- A. All 5 of the above
- B. Any 4 of the above
- C. Any 3 of the above
- D. Any 2 of the above

Response: A. All 5 of the above

File Description	Document
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

The Academic and administrative aspects of the institution have been driven by different committees in force . Periodical meetings of committees will be held to discuss the fulfillment of resolution made in the previous meetings and to propose action plan for future run of the institution. For example, it has been resolved to apply for NBA and NAAC in one of the Governing body meeting. This resolution was fulfilled by obtaining NBA accreditation for the institution for a period of three years. To attain this, several facilities in the institution such as infrastructural, Administrative and amenities have been up graded to meet the requirements of Accredity body. It has been resolved in grievances and redressal committee that CC cameras are to be erected to provide surveillance to identify the video evidences where any complaint made by any stake holder. This was also implemented by erected CC camera surveillance system at several points in all the blocks of the institution. This arrangement has helped in improvement in discipline and reduction in certain misbehavior. To bring out the hidden talents of the young students, it has been resolved in academic committees to encourage and guide the students to produce innovative

projects in the area of Electronics and Communication, computer Science and Engineering, Information Technology, Civil Engineering Etc. and this resolutions was properly understand by students and faculty members and they were determined to implement it. It has resulted several innovative projects by batches of students and they earned good laurels.

6.3 Faculty Empowerment Strategies

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

Response:

- Increments are given based on performance appraisal system in MRITS. Performance appraisal starts with tracking of individual accomplishments in terms of self rating for all the parameters like attendance, results, paper presentations, publications, conferences, workshops, seminars, certifications and awards etc.
- PDP (Professional Development Programs) are organized and faculty are facilitated to attend various Professional Development activities throughout academic year.
- TSL (Training and Study Leave) is for the faculty who go for doctoral programs or Career Advance Scheme. Institution encourages the faculty pursuing Ph.D. to avail extra summer vacation and a week break during examinations.
- Summer vacation of four weeks is given for the entire faculty who completed a minimum of six months service in the institution.
- Flexible work hours are permitted to the faculty with personal difficulties. Faculty can apply for flexible work hours once a semester mentioning their roles and responsibilities, the need of flexibility and justification to compensating the gaps caused because of absence.
- Special Leaves are given on the birthdays and wedding anniversaries. A week of leaves is allowed for self wedding of faculty. Faculty can avail leaves on demise of own family members.
- Bus Transport is given to all the MRITS employees.
- Provident fund is paid by the institution as per the statutory rules.
- Medical Insurance is facilitated by the administrative department of the institution to all the employees.
- Grievance Redressal Cell is formed and faculty concerns are addressed as per the necessary schedule.

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: 36.26

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

2016-17	2015-16	2014-15	2013-14	2012-13
101	62	49	83	64

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years	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: 9.4

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

2016-17	2015-16	2014-15	2013-14	2012-13
9	9	8	10	11

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 36.26

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
101	62	49	83	64

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

College takes efforts to enhance the professional competency of the faculty members through various development measures.

Teaching Staff

- Supported and motivated to pursue higher studies. 82 faculty members are pursuing Ph.D. degree as of now.
- Permitted to attend Seminars/workshops/ STTPs/FDPs/Other training programs organized by other institutions.
- Allowed them to undergo industrial training during vacation to have industrial experience.
- Encouraged each department to conduct workshop, seminars and orientation programs for faculty members.
- Autonomy in lesson planning and implementing innovative teaching methods.
- Motivation to publish their research work in international conferences and reputed journals.
- Sponsorship of 50% of the registration fee in case the faculty participating in conferences, seminars etc.
- Awarded with cash prize of Rs.1500 and Rs.1000 for publication in international and national journals respectively.
- Enhancement in teaching, training and learning facilities by establishing new laboratories and strengthening library by online journals and e-resources.
- Induction/Orientation Programs are conducted for new employees every year.
- Workshops on Accreditation procedures, Implementation of autonomy, Outcome Based Education, Choice Based Credit System etc are organized regularly.

Non - Teaching Staff

- Permitted to do higher studies during the last four years.
- Conducting various development and training programmes for the skill enhancement of non teaching technical staff members
- Technical staff members are permitted to attend training in Industries every year.
- Special programmes are arranged for Non-teaching staff in the office.
- Training programmes on Health and Safety using fire extinguisher is also conducted regularly.

6.4 Financial Management and Resource Mobilization**6.4.1 Institution conducts internal and external financial audits regularly****Response:**

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

Internal Audit:

- Ensures whether expenses incurred are in accordance with the budget approved.
- An internal approval system is in practice for all expenses made.
- Internal Audit is done by the college accounts section and the accounts department of the Trust office.

External Audit

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

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

Response: 17.23

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

2016-17	2015-16	2014-15	2013-14	2012-13
2.00	3.42	4.20	3.70	3.91

File Description

Document

Details of Funds / Grants received from non-government bodies during the last five years

[View Document](#)

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

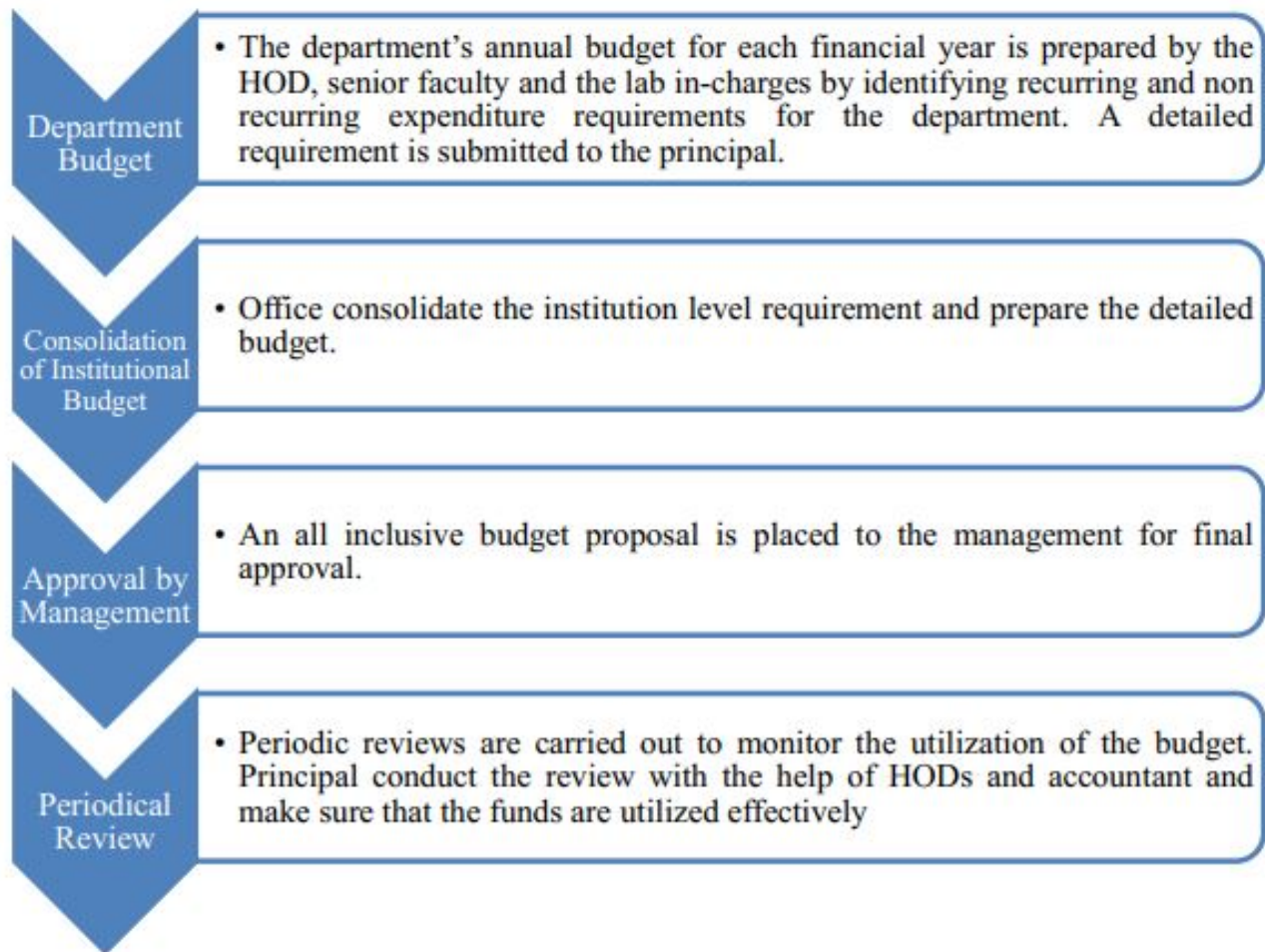
Response:

The college prepares yearly consolidated budget for allocation of funds for optimal utilization of available resources. The financial resources are monitored as per the Budget Proposal and Approved in the Budget Approval Meeting and are regularly audited by qualified auditors. The financial resources are mobilized through the tuition fees, the grants from funding agencies like AICTE, funds generated through Consultancies and funds from Management.

The college has a mechanism to monitor the effective and efficient use of financial resources. Academic departments, CoE office, and others prepare their budget based on their requirements. Individual departments budget are scrutinized by the Principal. The college prepares yearly consolidated budget for allocation of funds for optimal utilization of available resources. The financial resources are monitored as per the Budget Proposal and Approved in the Budget Approval Meeting. All purchases are made as per procedure specified in the regulations. Stock registers, consumable stock registers and maintenance register

are maintained by the Departments and the College. These are regularly audited by the auditors.

Annual Budget Preparation and Approval Process:



Internal Audit:

- Ensures whether expenses incurred are in accordance with the budget approved.
- An internal approval system is in practice for all expenses made.
- Internal Audit is done by the college accounts section and the accounts department of the Trust office.

External Audit

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

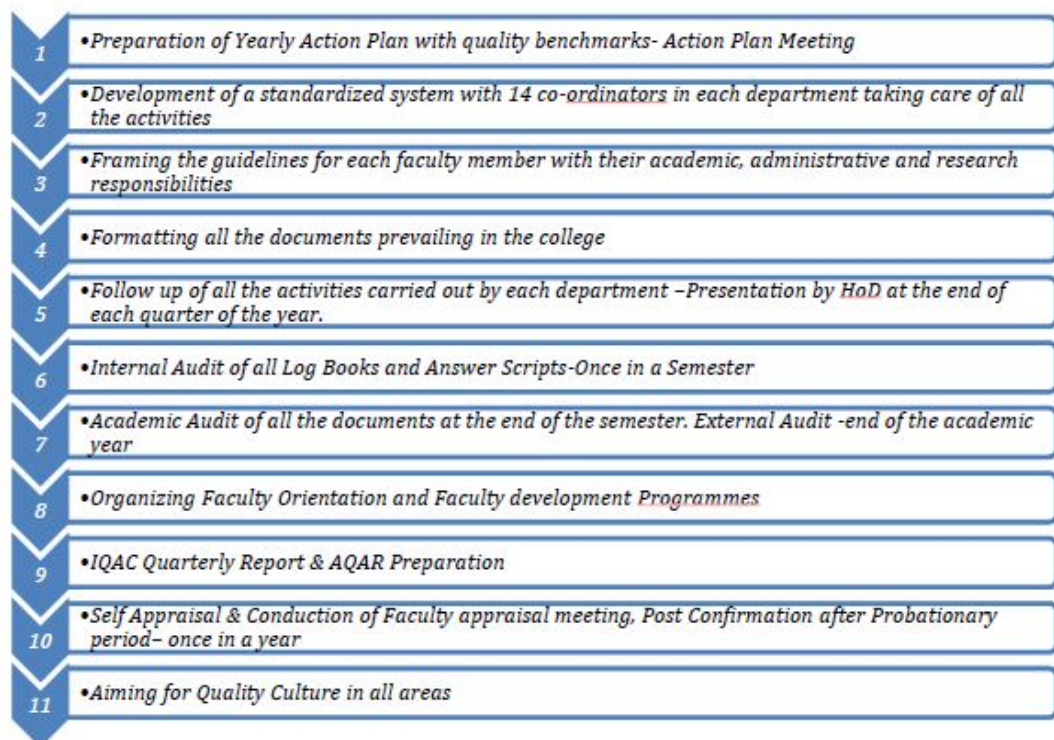
6.5 Internal Quality Assurance System

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

Response:

Internal Quality Assurance Cell of the College 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.
- 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 & evaluation, CBCS, Blooms Taxonomy, research oriented seminars etc.
- It coordinates with all stakeholders for their opinions and advices for quality sustenance and quality improvement.
- Dissemination of information on various quality parameters of higher education.
- 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 & encourages and provides support required by all staff for their and quality sustenance and quality improvement in teaching, research & administration.
- The regular activities of IQAC for institutionalizing quality assurance strategies are shown in the figure.



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

Response:

The IQAC performs its functions based on its yearly plan. This plan helps the IQAC to perform its duties in an effective manner. Each department prepares its perspective plan with clear targets for the academic year. Action plan meeting is conducted every year, where Heads of the Department present 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 Management, Director, Principal and IQAC members are present for such meetings to review the plan and give suitable suggestions. Thereafter the HoDs present the monthly progress made on the targets during third Saturday of every month. In addition to this a monthly report which includes departmental activities such as students' academic performance, placements, participation by students and faculty members in various events is submitted to the principal, 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 & industry, NBA, NAAC team observations, IQAC Audits etc are taken meticulously and necessary actions are taken to have continuous improvement in college operations. Apart from this, the respective committees/bodies are responsible for the major decisions pertaining to their department.

Interaction with stakeholders

The management 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 department and faculty members communicate with the stakeholders regularly and on adhoc 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 College believes that students are the ambassadors of our college. A group of 15-25 students are attached to a tutor, who meets their wards regularly. The tutor 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 advisor. The students express their views and suggestion in class committee meetings which are conducted atleast twice a semester. The Head of the Department also meets the student as and when required. The Principal addresses the students on regular intervals. The management interacts with student representatives once in a year. The Principal and Director 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, Programme Assessment Cell, Youth parliament, AOD, and hostel committee.

Interaction with Parents:

Parents meeting is conducted once in a semester and adhoc meetings are conducted whenever necessary. The ward's daily attendance, internal test performance and end semester performances are regularly informed to the parents through SMS. The Principal and Director are always available to meet the parents and receive their valuable suggestions and feedbacks. Feedback on teaching learning process, facilities provided and expectations from the college are received which is analyzed and necessary actions are taken immediately.

Interaction with Alumni:

The college organizes alumni meetings where their suggestions and feedback are obtained. Apart from

regular alumni meetings, the college conducts Decennial meeting for batches passed out ten years back. Alumni bring laurels to the college in the way they behave in the society. The students enjoy various guest sessions delivered by our alumni. The alumni are linked through well maintained alumni web portal. Each department maintains a social networking accounts to communicate with the alumni. The alumni are also members of the following committees of the college

- Academic Council
- Board of Studies
- IQAC
- Academic Assessment Cell & Programme Assessment Cell.

Interaction with Industry:

The Industry Institute Partnership Cell (IIPC) is responsible for Industry-Institute relationships. The IIPC charts out annual plans to guide the Industry-Institute interactions. Industrial experts visit the college frequently as guest/ resource person for various events. During such events feedback from industry is sought on various areas. The college has signed MoU with many industries, through which consultancy works, academic events, internships, faculty trainings, industrial projects, placements are carried out. The industrial experts are members in various bodies like Governing Council, Academic Council, Board of Studies, IQAC, Programme Assessment Cell and Academic Assessment Cell which paves the way for effective feedback mechanisms. The industrial experts in the board of studies enable us to bridge the technological gap between industrial need and curriculum. Feedback on curriculum is also obtained from various other industry personnel. Faculty members visit companies for consultancy services, industrial training and so on.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 0

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description

Document

Number of quality initiatives by IQAC per year for promoting quality culture

[View Document](#)

6.5.4 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**

2.Academic Administrative Audit (AAA) and initiation of follow up action**3.Participation in NIRF****4.ISO Certification****5.NBA or any other quality audit****A. Any 4 of the above****B. Any 3 of the above****C. Any 2 of the above****D. Any 1 of the above****Response:** A. Any 4 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document

6.5.5 Incremental improvements made during the preceding five years (in case of first cycle) Post accreditation quality initiatives (second and subsequent cycles)**Response:**

Incremental improvements made during the preceding five years in Teaching Learning, Research and HR administration, Industry Interaction are given below.

Teaching & Learning:

- Innovative teaching methodologies using PowerPoint Presentation, Video Lectures (NPTEL, Spoken Tutorial & Web Resources), Online Programming web platforms etc. are used for improving the Teaching Learning process.
- Industrial Visits and Guest Lectures by industry experts are arranged.
- Students are motivated to take seminars in the allotted session every week.
- Intra department paper presentation and project contest are organized for students through the Department association, Tech Club and Student chapter of Professional society.
- Students are also encouraged to participate in co-curricular and extracurricular events organized by other institutes.
- Students are grouped into various Professional Centers and specialized training and projects are allocated to make them technically competent and face the global challenges successfully.
- Students are also encouraged to undergo inplant training and internships in industry to get an opportunity to solve real world problems.
- To make all the students involve effectively in the Teaching Learning Process, a mentoring system is in place, wherein around 20 students are allotted to a faculty member who personally guides,

motivates and monitors the student participation.

Research and Development:

- The college sponsors all faculties for presenting their paper in National / International Conferences and to attend FDP / Workshops / Seminars.
- The library is well equipped with many online E-Journals for literature collection to encourage research among students and faculty.
- The college motivates the faculty by sponsoring funds to apply for patents, R&D grant, travel grants, etc.
- The students are encouraged to develop and implement in house projects.
- The college regularly organizes blood donation camp through NSS.
- The management of the college generously serves the community / village near the college

Human Resource Management:

- The HOD identifies the HR requirement and informs the Principal who in turn consolidates the requirements from all departments and publishes in the daily newspaper. A selection committee comprising of the Principal, Academic Coordinator, HODs and Senior Professors of the institution is formed to interview the shortlisted candidates.
- Service conditions, Leave Rules, Code of Conduct, Service Benefits and Performance Appraisal are clearly defined.

Industry interaction:

- Industrialists are part of Governing Council.
- The college has signed M OU's with various industries.
- Industry sponsored COE Laboratories
- Invited Guest Speakers and Industrial Visits from Industry.
- Faculty Trained by Industry. Students Internships and inplant training by Industry.
- Consultancy works by students to Industry.

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 7

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	1	2	1	1

File Description

Document

List of gender equity promotion programs organized by the institution

[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

- 1. Safety and Security**
- 2. Counselling**
- 3. Common Room**

Response:

1. Safety and Security

1. Objective of the Women's Grievance Redressal Cell

1.1. The Cell will deal with the cases / complaints of sexual harassment and any other type of harassment of the female students, teaching and non-teaching women staff of the college.

1.2. The Cell shall process all the individual complaints and take immediate suitable action.

1.3. The Cell will provide assistance to the Faculty/Colleges for taking preventive steps in the matter of gender discrimination and sexual harassment.

1.4. The Principal will be the Chairman of the Cell and may appoint members of the cell.

1.5. The Cell may form / review the guidelines / policy for redressal of the grievance as required from time to time, which may be in accordance with those issued by Supreme Court and Government Agencies.

2. Grievance Procedure

2.1 Any women employee or female student will have the right to lodge a complaint concerning sexual harassment against a male student or the employee of the institute by writing a letter or putting the complaint in the Principal's office.

2.2 The complaint will be afforded full confidentiality at this stage.

2.3 After receiving the complaint, the chairman shall convene the meeting of the cell.

2.4 The chairman will appoint investigation committee, Coordinator will convene the meetings.

2.5 The investigation committee shall then decide the course of action to proceed.

3.Procedure for investigation

3.1 If the complainer wishes to proceed beyond a mere a warning to the accused, the accused shall be given in writing by the investigation committee an opportunity to explain within one week why he should not be, for good and sufficient reasons, be punished for the act of sexual harassment on his part.

3.2 If the written explanation of the accused is not found to be satisfactory or if he does not provide any written explanation, the investigation committee will decide whether the offence deserves a minor penalty or a major penalty.

3.3 In the event that the investigation committee deciding that the accused be imposed a minor penalty, the said penalty will be recommended by the investigation committee to the chairman of the cell for decision.

4. Punishment for sexual harassment

4.1 Any member of the institute fraternity (student/employee/outsider related to institute) found guilty of sexual harassment shall be liable to be punished. This shall be subject to the same penalties for major or minor misconduct as prescribed under government/ university rules.

4.2 A student guilty of sexual harassment shall be liable for any of the following penalties: a) Warning or reprimand. b) Suspension from university/ college for a period of one month. c) Debarment from appearing for the examination for a period up to three years. d) Rustication from the university as the case may be. e) Any other punishment as defined by the government/ university act.

5. Protection against Victimization

The committee noted and approved the policy on Protection against Victimization of the Women's Grievance Redressal Cell as following

5.1. In the event of the complainer being a student and the accused being a teacher, during the pendency of the investigation and inquiry and even after such an enquiry if the teacher is found to be guilty, the accused will not act as an examiner for any examination for which the student appears.

5.2. In the event the complainer and the accused both being employees, during the pendency of the

investigation and enquiry even after such an enquiry if the accused is found to be guilty, the accused shall not write the condition reports of the complainer, if it is otherwise so authorized.

2. Counseling

MRITS has Girls Students' Counselling Cell, which takes care of the well being, welfare and personal development of the girls. It works towards developing their personality and self-esteem. Our on-site counselling system provides support to the girls and enables them to understand and resolve their problems

3. Common Room

The college has a provision for Girls Common Room where the girl students may sit, rest and go for recreation. Measuring 20' x 25' ft. this room is equipped with drinking water facility, a water cooler fitted with water purifier, an attached washroom, elegant furniture, indoor games, electricity, fans etc.. The room is properly ventilated, well- lit, neat and clean to provide a friendly ambience to its users.

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 82.67

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 2500

7.1.3.2 Total annual power requirement (in KWH)

Response: 3024

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 100

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 176

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 176

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document

7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

Response:

Solid waste management :

No hazardous wastes are generated in the college. The chemicals and materials used in the laboratories are handled with safety measures. A separate sewage treatment plant in the campus collects all waste water, treats it and is used for gardening.

Liquid Waste Management:

At our campus, we treat wastewater through sedimentation. 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.

E-waste management

The e-wastes are collected and stored in separate places until they are disposed off to specialized dealers. Some of the obsolete electronic gadgets are used for demonstration purposes. The electronic components of damaged equipment are reused for mini/ major projects.

Any other

1. Apart from class rooms and laboratories, dust bins are kept in many places for clean maintenance of the campus. .
2. In order to reduce the usage of excess paper, one side papers are being reused. .
3. Paperless office reduce the usage of paper - Internal circulars, online mode of feedback, quiz exam etc.

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

It has been a burning program in the several parts of the country in the recent years including Telangana

state regarding reduction in ground water levels. With the advent of technology, we are continuously pumping the ground water for utilization in residential, commercial, agriculture and Industrial usage. But the criteria of reboosting the ground water levels has been ignored by covering the whole earth surface with concrete and unsqueezable materials. This has resulted in draining the water to far away places before it can sink in to the ground at the same location. To provide sufficient water for future generations, a phenomenon called rain water harvesting has been recommended by scientists and engineers. As a part of it, we have constructed a rain water harvesting structure in the campus and the water sinking in it is resulting in enhancement in the ground water level and it avoids water shortage during the summer season. The college has rain water harvesting facility.





7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Mrits has an environment revolution with collaboration of student and faculty at or campus.

- our colleges I'd working for go green practice s with lots of effort to encourage both students and institution to respond to the effect of climate changes..
- our colleges has given utmost priority for protection of environment by developing greenery in around the college premises .We take plantation programme frequently with active participation of our students.
- Apart from this, all the professor, faculty and students have to park Their cars and vehicles in stipulated place and walk on foot to their department. It is to include environment awareness among the students.
- some of the students use bicycles as the mode of transport making institution free from pollutes air and sounds.
- In addition to this..New technologies allow every Individual to meet modern day challenges. We use electronic mailing for different purposes and save paper...Which indeed saves much time.
- Students board public transport to come to college which is safety.

The College always Raises awareness of environmental issues among its staff/students/visitors and encourages initiatives leading towards a clean environment. We promote the 3 R's for waste in the following order: Reduce, Reuse and Recycle and provide convenient waste collection points and guidance for the disposal of

- Paper
- Cardboard
- Glass
- Plastic
- Electrical equipments and white goods
- Hazardous waste
- e-wastes

We minimizes the consumption of water and enhances ground water level by

- Encouraging to report leaks and rectifying them promptly
- Progressively replacing / supplementing baths with shower facilities in hostels, staff quarters and guest houses, if needed.
- Exploring options for using waste / roof water wherever possible
- Establishing rain water harvesting schemes in all buildings of the campus
- Minimizes the consumption of electricity where opportunities arise by

- Progressive replacement of light bulbs with energy efficient ones
- Encouraging staff and residents to turn off electrical appliances when not in use
- Conserving energy by promoting the use of daylight
- Conducting frequent preventive and corrective maintenance

We adapt health, safety and environment based codes of practice and relevant guidance and comply with legislation relating to the use of chemical products.

- The College has planned for hybrid (solar/wind) power systems in the campus.
- An incinerator is used to dispose garbage to maintain clean and pollution free environment in the campus.
- The college campus is completely free from plastic bags and cups.
- Waste bins are placed at appropriate locations to maintain a clean and tidy campus.
- Green campus is maintained through adequate tree plantation by the college NSS Unit and the maintenance cell.

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 25.42

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
242.3	245.4	108.6	100.7	60.3

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

- 1.Physical facilities**
- 2.Provision for lift**
- 3.Ramp / Rails**
- 4.Braille Software/facilities**
- 5.Rest Rooms**
- 6.Scribes for examination**
- 7.Special skill development for differently abled students**
- 8.Any other similar facility (Specify)**

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: C. At least 4 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 0

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 14

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	3	3	2	3

File Description	Document
Details of initiatives taken to engage with local community during the last five years	View Document

<p>7.1.12 Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff</p> <p>Response: Yes</p>	
<p>7.1.13 Display of core values in the institution and on its website</p> <p>Response: Yes</p>	
<p>7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations</p> <p>Response: Yes</p>	
File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document

<p>7.1.15 The institution offers a course on Human Values and professional ethics</p> <p>Response: Yes</p>	
<p>7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions</p> <p>Response: Yes</p>	
<p>7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years</p> <p>Response: 5</p>	
File Description	Document
List of activities conducted for promotion of universal values	View Document

<p>7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities</p>	
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Response:

India is a land of multi ethnicity where people of different language and culture have together with peace and harmony. India is World wide know for its cultural diversity and colorful festivals.

Malla Reddy Institute of Technology & Science celebrates various national festivals and anniversaries such as Gandhi Jayanti is celebrated to commemorate the birth anniversary of the father of the nations every year, this auspicious occasion celebrated on October 2 with great zeal and enthusiasm where our college students visit to orphanage and conduct different types of competition such as essay writing, painting, sports competitions.

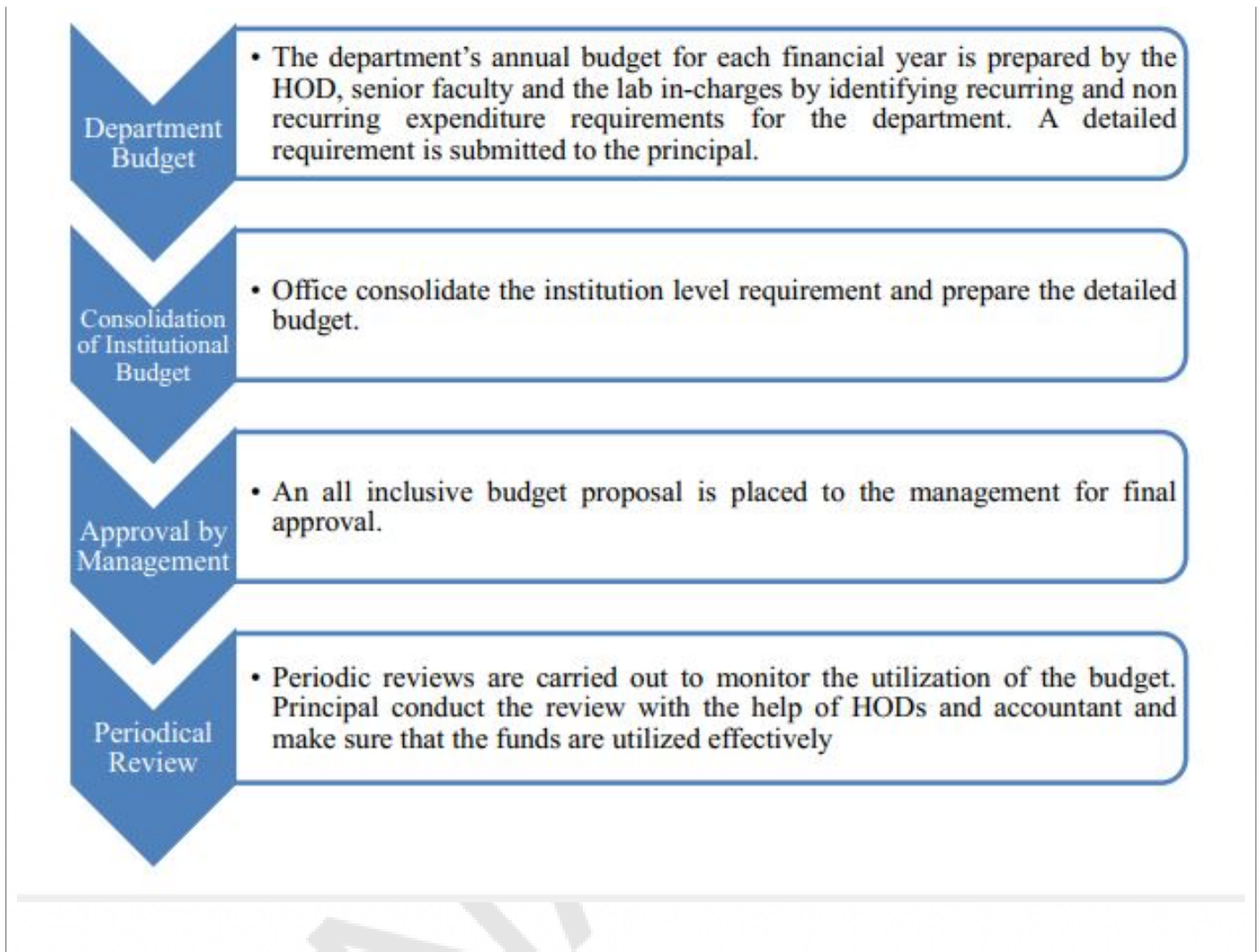
Our College MRITS celebrates Independence Day giving tribute to our national heroes who sacrificed their lives in India's freedom movement and build up patriotic feeling among the students of love for our country. The program kick started with the flag hosting by Dr K Ravindra, Principal of MRITS which was followed by motivational speech and singing of patriotic song by our students, in addition to this, Republic day is celebrated with great fervor and vivacity that our generation really honor and remember the Independence. This day is celebrated with full zeal zest. The day brings up the feeling of patriotic among one other.

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

The college has a mechanism to monitor the effective and efficient use of financial resources. Academic departments, CoE office, Estate Office and others prepare their budget based on their requirements. Individual departments budget are scrutinized by the Principal. The college prepares yearly consolidated budget for allocation of funds for optimal utilization of available resources. The financial resources are monitored as per the Budget Proposal and Approved in the Budget Approval Meeting. All purchases are made as per procedure specified in the regulations. Stock registers, consumable stock registers and maintenance register are maintained by the Departments and the College. These are regularly audited by the auditors.

Annual Budget Preparation and Approval Process:



7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Budget Best Practice: 1

1. Title of the Practice:

STUDENT CENTERED TEACHING AND LEARNING PROCESS

2. Objective of the Practice

- To excel in teaching and learning process through various teaching methodologies.
- Implementation of teaching pedagogy such as quiz, case study, puzzles, group discussion, model demonstrations, role play, brain storming session etc.
- To encourage faculty member to adopt various teaching and learning modules.
- Implementation of activity based learning, project based learning to actively engage the students in learning process.
- To promote critical thinking and make student globally competitive.

3. The Context

- Students are in the world of opportunities and challenges. The student requires intellectual and technical skills in this competitive world.
- The expectation of industry from potential employee is elevating every year.
- To provide employability skills for diversified students. Students require some additional skills along with the technical knowledge.
- Improving student's knowledge by simple lecturing becomes more complex due to advancement in I.Q level of students.
- Making the student as an active learner rather than passive listener is another challenge during the lecture.
- Adopting different teaching methods with latest technology and happenings is required to maintain the attention of students.
- The college provides periodical training for the faculty members to enhance their teaching abilities and maintain pace with the students.

4. The Practice

- The CLT has been established with the vision to enhance the students learning experience in the college.
- CLT is overall responsible for the recruitment, training, monitoring and appraisal of faculty members.
- CLT periodically conducts FDPs to orient faculty towards student's centered learning.
- All the faculty members are mandated to have a teacher's manual and student's workbook for their course.
- The teacher's manual gives the highlights of each session including minute to minute plan, pedagogies used and resources required etc.
- The prepared lesson plan is given well in advance to the students.
- Each session is initiated with a discussion or questions or story with real time examples before defining the objective.
- During Lecture, questioning by the students is encouraged by giving simple and reliable example related to the topic of discussion.
- Teaching circle is created by assigning task to a set of students which develops team work culture and creates interest in learning.
- The learning is continuously evaluated through group discussion, class test, assignments, assessment examinations and online quiz etc.
- The questions for assessment examinations and semester examinations are set based on Blooms taxonomy lower order thinking and higher order thinking action verbs.
- The students are given freedom to share their views and ideas during discussion. Freewheeling of ideas is allowed during discussion and they are allowed to build on other's ideas.
- Changes in curriculum are made based on the feedback from members of board of studies, faculty meeting, alumni, industrial experts and students.

5. Evidence of Success

- These activities helped the students to publish research articles in National and international journals.
- Students actively involved themselves in developing innovative mini projects and brought laurels to

the college by participating in various competitions.

- Students who have passed out have done extremely well in the corporate world.
- Some students have put their learning into application by starting their own businesses.

6. Problems Encountered and Resources Required

- Time constraint is the greatest problem for implementing Student centric teaching and learning methods.

Best Practice: 2

1. Title of the Practice:

ACT ON A DREAM (AOD)

2. Objective of the Practice

- The main objective of Act On a Dream is to help the students to discover lost dreams and forgotten passions.
- Act on a Dream works as a bridge to narrow the gaps between the college and the real world.
- To encourage the spirit of belonging in the college by the way of conducting club activities and organizing events and fests to bring out the creative side in everyone.
- It specializes in everything from coding to developing and music to MUN (Model United Nations)-ing.

3. The Context

- AOD comprised of four main councils which concentrate on both technical and nontechnical excellence.
- Team Hype: Extra-curricular and Non-technical activities.
- Triple Helix: Co-Curricular Technical activities,
- Scholars on a Cause: Peer-to-peer knowledge imparting sessions.
- Random Acts of Kindness: Social responsibilities and moral activities.
- These four councils are again subdivided into 29 sub-councils. Each of these subcouncils is provided with class rooms or Laboratories to organize the events and activities as per the schedule.
- Except for dance, music, and sports, the remaining each group are assigned with a particular resource person to handle the classes and to make the session much more interactive.
- Each council has a staff and student coordinator to monitor the sessions. The third Saturday is declared as open Saturday to conduct the activities of AOD.
- Team Hype, which includes extra-curricular and non-technical activities, is a student body forum. The literary club, a part of Team Hype, serves as a retreat to all the poet lovers and book-addicts.
- The MUN Club has taken off with the launch of the maiden edition of MRITS MUN. The students from the MUN club primarily constitute the MRITS MUN SOC. The Communication skill and soft skills club, which is also a part of Team Hype, focuses on improving the communication skill of the students.

4. The practice

AOD (Act on a Dream) is a platform for every budding engineer of MRITS. Never before among the students, the revolutionary concept of Open-Saturday have been brought into effect that provides a chance to act on the dream. AOD comprises four main councils which emphasizes on both technical and non-technical excellence. Founded in december 2014, AOD is the largest student club at MRITS with over 900 active members. All the clubs are functioning effectively to achieve the objective. The MUN club has seen a strong delegation by actively participating in the several external MUNs. MRITS MUN has conducted different events MRITS National level Fest Furcatez every year.

5. Evidence of success

Act on a Dream over the past two years has been instrumental in driving students towards their dreams. The success of AOD can be seen in the following clubs.

MUN Club: The number of MUN members has increased from 50 to more than 150 from the time of establishment.

Graphics Club, Web Designing: The members of the club thoroughly understood how to handle graphics and to design websites in a hands-on and practical method.

Foreign Language: French & German was taught to the students by the club members

App Development: Fully functional applications were developed and implemented.

Dance Club: The students of the Dance Club participated in external events held in reputed institutions.

Photography Club: A workshop on Photoshop was organized by Brino vision Technologies

Awareness Campaign: Students of the club collaborated with the students of the Departments and participated in an awareness campaigns or rallies.

6. Problems encountered

Limited Open Saturdays: There was a lack of continuity between two consecutive open Saturdays due to Government holidays. Another cause was the internal assessment exams had to be conducted on a few Saturdays, because of the time tables given by JNTUH.

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

the mission statement defines the college's distinctive characteristics in terms of addressing the needs of its stakeholders. The mission statement of the college is carefully defined bearing in mind the requirements and needs of the society. The college mission statement has been framed after due consultation with the

stake holders to make every effort to contribute towards the nations development through education. The mission of the college to offer highly contemporary and rigorous educational experiences is the need of the hour. This results in world class education at par with international standards and industry expectations. The critical roles of engineering in addressing the large-scale pressing challenges faced by our societies worldwide are widely recognized.

The advanced problem solving and critical thinking skills acquired by our students through contemporary education helps to find solutions for such large scale issues.

The college transforms every student into an industry ready professional, with strong basics in science, mathematics and engineering skills who are capable of analyzing and providing solutions to address societal needs and issues. The college encourages its young technocrats to become vibrant entrepreneurs to strengthen the industrial world and to inoculate the national mission “Make in India”. The Entrepreneurship Development Cell (EDC) continuously encourages the students to become entrepreneurs. The college facilitates by providing various club activities, NSS, and youth parliament to inculcate the leadership qualities. The college provides opportunities for students which helps them to excel with leadership qualities to organize various technical and nontechnical events within the college.

The College management strongly believes that, the education without social and ethical values is not a complete education. Grooming a student as a perfect citizen imbibing professional integrity and cultural awareness is one of the mission and to achieve this, the college encourages students to take part in various community activities including blood donation camps, health camps, social awareness camps etc. As volunteers in NSS, students take active participation in extension activities on various community related causes. Further each department conducts extension activities to help the local community around the college. The college understands the responsibility in educating the technocrats with social values and professionalism in their career hence, professional ethics and environmental science courses are included in the curriculum for all UG programmes.

Innovation drives the future of the nation, and college always encourages its students and faculty members to engage in active research. The Research and Development cell regularly motivates and monitors all the research activities in the campus. The college strives to serve people from varied backward community for their advancement of knowledge without any discrimination. People from diversified social and economic background are provided with equal opportunity in the college to enhance social cohesion and good quality of life.

5. CONCLUSION

Additional Information :

Efforts are made to identify the needs of the students to nurture them to be part of world technical community. The policies will be reviewed based on the changing needs periodically, Students and staff will be appraised accordingly to implement and follow the updation time and again. e-Governance strategies are made available to the students and staff in administration and academic procedure management. The academic projects done by students under the guidance of faculty members have earned prizes in several forums nationally. All in all, the college strives hard to maintain intellectual and academic standards to produce industry ready professional graduates.

Concluding Remarks :

- The faculty expertise comprises of experience gained through Academic institutions/Universities and reputed R&D Organizations.
- Improved teaching and learning process through the use of audio-visual aids.
- Conducting Employability Enhancement and Personality Development Training Programs for the students.
- Certification Training programs in the areas of specializations.
- Improved Campus Placements for students.
- MoUs with industry and R&D Organizations for collaborative Research Programs.