

SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY

**KOKAPET (VILLAGE AND GRAM PANCHAYAT), CHAITANYA BHARATHI
(P.O), GANDIPET (MANDAL) RANGA REDDY (DISTRICT)**

500075

www.mgit.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

(Draft)

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

With changing Socio-Economic scenario & Modern trends in the field of education, Mahatma Gandhi Institute of Technology (MGIT) founded in 1997 by Chaitanya Bharathi Educational Society by eminent persons working in the field of education, health, agriculture and industry as they decided to start new institution in technical education with new emerging branches like Mechatronics Engineering, Metallurgical & Materials Engineering and Information Technology. The primary objective of this educational society is to create temples of knowledge so as to impart value- based education to the present and future generations of our country. The Institute got permanent affiliation from JNTU Hyderabad till 2019 and six UG programs were accredited twice by National Board of Accreditation (NBA) in 2009, 2014 and NBA committee visited the Institution for renewal of accreditation on 16th Feb, 2018. The lush green campus of MGIT spreads over 30 acres of pleasant landscape with a constructed area of more than 33,000Sqm. MGIT offers 8 UG courses with total intake of 900 and 6 PG courses with an intake of 108. The Institution has 252 well qualified and dedicated faculty members which includes Professors, Associate Professors, Assistant professors out of which 53 are Doctorates and another 95 have registered for Doctoral Degree. The library and information centre houses 45000 books, 10747 Titles, 236 International National journals and 2800 e-journals. More than 608 students are placed in various reputed organizations during the Academic year 2016-17 and around 1700 are placed in the last five years.

Vision

MGIT envisions, inspires and motivates its students to imbibe knowledge with which they can excel and serve the nation with great elan. To nurture students into disciplined young citizens of irreproachable character, coupled with hands - on training and to make them readily employable by fostering social, cultural and environmental consciousness.

Mission

The Mission of MGIT is to strive towards the development and dissemination of knowledge in many diversified academic and professional fields. It aims to reach the pinnacle of technical excellence while pursuing quality improvement continuously. Also, its mission is to train manpower with a capacity to take-up policy formulation and decision making responsibilities in terms of resource management.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Six UG programs were accredited twice in the year 2009, 2014 and NBA committee visited the institution for the renewal of accreditation on 16th Feb, 2018
- MGIT got a Rank-band: 151-200 in India Rankings 2017: Engineering by National institutional ranking

framework (NIRF), MHRD, Government of India.

- Six UG programs were accredited by Institution of Engineers India.
- MGIT awarded ISTE Best Students chapter award for Andhra Pradesh section 2014 by INDIAN SOCIETY FOR TECHNICAL EDUCATION 17th ISTE students national annual convention, dated 29th Sep, 2014
- All India engineering college survey 2014 conferred Certificate of Excellence to MGIT as A+ category engineering college of India, year 2014.
- In the last three years, MGIT received four AICTE sponsored Faculty development Programmes two to Department of Mechanical Engineering (Mechatronics), one for the Department of Civil Engineering, one for the Department of Electronics and Communication Engineering.
- Principal of MGIT Dr G Chandra Mohan Reddy received best principal award for the year 2012, by ISTE, Andhra Pradesh section. dated 2-2-2013
- MGIT has well qualified, competent, well experienced and young dynamic faculty and staff are working with good retention rate.
- Student's pass percentage in university examination is very good and more number of students were undergoing summer internships in reputed R&D, Defence laboratories, and other industries.
- Our faculty had published good number of research papers with Scopus index in reputed international and national journals.

Good library and information centre with access to e-journals.

Institutional Weakness

- Due to non availability of staff quarters and hostels for girl students, the resources available in the institute are underutilized.
- Institution is having good number of faculty with PhD qualification, but still there is a shortage in some of the departments. Quality Improvement Programme (QIP) for faculty to pursue PhD is needs to be improved.
- The level of research activities and funded projects in various departments of the institution needs to be increased.
- PG programmes in some disciplines are yet to be offered.
- Lack of autonomy to introduce new courses.
- Unable to extend consultancy services.

Institutional Opportunity

- As most of the departments are accredited by NBA there is an ample opportunity to get the grants from funding agencies.
- Availability of access to e-Journals, Video courses and project Laboratories.
- Potential to pursue Doctoral and Post Doctoral research for the faculty.
- To conduct more number of National and International conferences in the thrust areas of Engineering.
- MGIT has active tie-ups and collaborations with 14 industries for training, research, collaborative

centers of excellence; student internships.

- To become autonomous institution for introduction of new courses and revision of curriculum to suit to the requirement of industry.

Institutional Challenge

- Institution need to have continual sustained efforts to maintain the good teaching-learning practices.
- Competition with new higher educational institutions like deemed universities being set up in the non-governmental sector for faculty members and student selection.
- Market conditions and global recession along with poor economic growth. Over - riding short term job seeking goals of parents and students, limit the commitment of the students for undertaking rigorous academic and scholarly pursuits.
- The institution needs to recruit good faculty members with sufficient teaching, research, and administrative experience, who can take over responsibilities for the improvement of academic growth.
- Inspiring students to look at education as a lifelong process, and shaping their conduct accordingly.
- Inspiring students & parents to undertake and accept the increased academic rigor and higher standards so as to prepare them for more challenging careers in the industry and R&D organizations attracting good number of companies to come for campus recruitment.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The curriculum design and development including almanac for various programmes offered by the Institute is provided by the affiliating university JNTU Hyderabad. The curriculum is revised regularly every two years by affiliating university by involving major stakeholders keeping in view of the changing societal, global needs and employability of students. Some of our faculty members are also members of board of studies (BOS) in different engineering streams and science courses. The institute is following CBCS from the Academic Year 2016-17 as per the affiliating university curriculum.

The institute is continuously suggesting affiliating university to introduce new programs to impart quality education that combines industry- relevant courses to attain highest academic standards.

The Institute also organizes ICT programmes to train faculty in use of modern tools and technologies. Faculty is deputed for orientation, refresher courses and other academic/administrative programmes for holistic development. In addition to Departments, IIPC and EDC units also organize expert lectures, invited talks, industrial visits which attribute to effective implementation of the curriculum. Skill Development programs are being organized regularly to train technical staff to upgrade their skills.

The Institute effectively utilizes the services of career guidance cell, training and placement cell in collaboration with few companies in organizing programs such as Campus Recruitment Training (CRT) and Soft skills/Communication skill programs to meet the global dynamic employment market needs. In addition to these, Departments help students to get industry internships during summer and winter and also organize industrial visits to expose them to real world industry environment.

Teaching-learning and Evaluation

Teaching-Learning and Evaluation criterion deals with efforts of the Institution to serve students of different backgrounds and abilities. Interactive instructional techniques that engage students in innovative thinking and critical assessment, through the use of interviews, focused group discussions, debates, projects, presentations, internship and application of ICT resources, are actively considered. Institute continuously strives for the adequacy, competence as well as professional development of the faculty who handle the programmes of study.

Admission is based on EAMCET/ JEE/ECET for UG and GATE/ PGECET for PG programmes. The Institute follows rules and regulations of the State Government with regard to catering diverse needs of students like differently abled and other categories.

Effective learning is ensured with qualitative content delivery given by the concerned faculty by using all possible e-learning resources such as NPTEL Lectures, ICT enabled teaching, models, charts, Journals etc.

Evaluation Process and reforms emphasize the effectiveness of teaching-learning process adopted and its awareness to all the stakeholders of the institution. The evaluation process of the affiliating University and the Institution is being analyzed to arrive at effective implementation and subsequent reforms possible for further refinement of learning process.

Students' performance is being assessed by using direct and indirect assessment methods through the attainment of course outcomes and program outcomes by analyzing the year wise results and feedback from stakeholders. It helps to improve the teaching, learning, and assessment strategies adopted by the institution with reference to predefined and intended learning outcomes.

Research, Innovations and Extension

Research, Innovations and Extension criterion seeks information on the policies, practices and outcomes of the Institution, with reference to research, consultancy and extension. It deals with the facilities provided and efforts made by the Institution to promote a research environment. The Institution encourages the faculty to carry out research and to promote innovative practices for serving the community through extension activities.

AICTE granted a MODROBS project to modernize and upgrade CNC & Robotics Laboratory with an amount of Rs 14 Lakhs. AICTE has also sanctioned grant in aid for organizing four (4) Faculty Development Programs in the Department of Mechanical Engineering (Mechatronics), Civil Engineering, Electronics and Communication Engineering during the last five years with a grant in aid of Rs. 24 Lakhs.

Faculty members are encouraged to visit R & D laboratories/Institutions to get exposure to the latest technological advancements. The Institution campus is Wi-Fi enabled and has well stacked library and information centre with latest Journals and online access (digital library) with access to reputed journals such as

IEEE transactions, Elsevier, Springer, and national and international magazines along with research oriented books. The college has good computing facilities with latest simulation softwares, high speed internet (95Mbps) and uninterrupted power supply.

Various Departments of the Institute organize many conferences/ seminars/ workshops/ invited lectures/ gender sensitization programmes with a focus on capacity building in terms of research and imbibing research culture among the faculty staff and students.

Infrastructure and Learning Resources

Infrastructure and Learning Resources criterion seeks to elicit data on the adequacy and optimal use of the facilities available in an Institution to maintain the quality of academic and other programmes on the campus. The Institution is providing state of art facilities in the campus for better teaching learning practices and student activity centers. The Institution is continuously striving to enhance its infrastructure in line with future growth.

The Institute campus has spacious well ventilated classrooms, seminar halls, tutorial rooms and well equipped auditorium providing the right atmosphere for teaching learning, campus is Wi-Fi enabled with a dedicated 95Mbps Internet facility. MGIT is well equipped with laboratories and computing facilities with 1100 computers spread across various Departments and connected through LAN, Printers and Copiers are also available with power back up facilities. The Library and information centre is provided with sufficient number of books, journals, e-journals. TPC, physical education department, Academic and examination section, administrative office has sufficient number of staff. Medical centre with regular doctor and supporting staff with ambulance facility are available inside the campus.

The Institute has good Indoor and Outdoor Sports facilities with Football, Basketball, Cricket, TableTennis, Shuttle Badminton, Cricket pitches, Athletics Track, 9 station gym etc.

The Institute has an excellent library and information center equipped with modern infrastructure, with a reading capacity for 200 users in an area of 10,000 sq. ft. which accommodates book circulation, open reading sections, reprography / photocopy, reference books, current periodicals, e-learning resources, digital library and discussion rooms.

Student Support and Progression

The highlights of Student Support and Progression criterion are the efforts of an Institution to provide necessary assistance to students, to acquire meaningful experiences of learning at the campus and to facilitate their holistic development.

Specific support services like ramp, wheel chairs and elevators are available for differently abled students.

The Institute has established EDC and IIPC cells through AICTE grant in aid. Entrepreneurship Development Cell (EDC) facilitates various programs to develop entrepreneurial and managerial skills and IIPC cell regularly organizes industry institute interactions and also supports the students to get internships. Students are encouraged to participate in extracurricular and co-curricular activities such as sports, games, quiz competitions, debate, discussions and cultural activities by providing necessary financial support in the

form of travel and accommodation allowances.

The Institute has registered Alumni association and organizes alumni meets annually. Alumni association also organizes expert lectures, debates and interactions for the benefit of the students, by bringing our esteemed alumni to the institution.

Students are also provided with ample opportunities to nurture their creativity and develop a wholesome personality through active student clubs like literary club, Music and dance club, Street Cause, photography club, short film club, and other student clubs.

Departments also have professional society chapters like ASME Chapter, IEEE Chapter, ISTE Chapter, NSS Unit, Robotics Club, Society for Automotive Engineering (SAE), CSI Chapter and IEI chapters to their credit.

Governance, Leadership and Management

Governance, Leadership and Management criterion helps gather data on the policies and practices of an Institution in the matter of planning human resources, recruitment, training, performance appraisal, financial management and the overall role of leadership in Institution building. The vision and mission statements of the Institute clearly address the needs of the society and the student needs to serve and disseminate knowledge.

The Principal of the Institution in consultation with Heads of the Departments and functional in-charges formulates the policies & plans and submits the same for the approval of the management on regular basis.

Administrative & Academic responsibility is distributed at various levels of decentralized organizational set up.

The Institute's major source of income is through students' tuition fee. The Institute is implementing UGC / AICTE Pays scales for faculty. D.A. and all other allowances are given as per the Central and State Government revisions announced from time to time. Some of the welfare schemes available for teaching and non teaching staff are Group Medical Insurance, Employee's Provident Fund (EPF) and Employee's State Insurance (ESI) benefits, maternity leave. Qualified Chartered accountants will audit the funds of the Institution on regular basis.

The Institute established an Internal Quality Assurance Cell (IQAC) in the year 2013. The net outcomes of these aspects leads to rise in pass percentage, enhancement of campus placements, and improvement in quality of publications and attainment of PhD degrees, obtaining research projects from external funding agencies etc.

Institutional Values and Best Practices

Institutional and Best Practices criterion focuses on the innovative efforts of an institution that help in its academic excellence. An innovative practice could be a pathway created to further the interest of the students and the Institution, for internal quality assurance, inclusive practices and stakeholder participation. Innovations and best practices serve to enhance quality and add value.

The Institution combines technology and social service education to identify and implement innovations and best practices to differentiate it among the competitors and to add value in its educational services.

The Institution is continuously striving not only to improve the key aspects namely "curricular aspects, teaching-learning evaluation, research, consultancy, infrastructure, learning resources, student support, student progression, governance and leadership but also by offering social science by adopting villages, schools, clean and green in an around hospitals, bus stops and through NSS activities, including street cause etc.

The college administration, in accordance with the norms of the Institution has provision to help poor students with the funds provided by NRI students in form of their high fee structure.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	MAHATMA GANDHI INSTITUTE OF TECHNOLOGY
Address	Kokapet (Village and Gram Panchayat), Chaitanya Bharathi (P.O), Gandipet (Mandal) Ranga Reddy (District)
City	HYDERABAD
State	Telangana
Pin	500075
Website	www.mgit.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Professor	K SUDHAKAR REDDY	040-24193069	9866686434	040-23223300	mct@mgit.ac.in
Principal	G CHANDRA MOHAN REDDY	040-24193057	9885210475	040-24193067	principal@mgit.ac.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		23-08-1997		
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		
2f of UGC		03-03-2014		
12B of UGC		03-03-2014		
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	30-03-2017	12	Nil

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

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Kokapet (Village and Gram Panchayat), Chaitanya Bharathi (P.O), Gandipet (Mandal) Ranga Reddy (District)	Rural	30	30655

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,Civil Engineering	48	Inter	English	120	118
UG	BTech,Electronics And Communication Engineering	48	Inter	English	180	180
UG	BTech,Electrical And Electronics Engineering	48	Inter	English	120	119
UG	BTech,Information Technology	48	Inter	English	60	60
UG	BTech,Mechanical Engineering	48	Inter	English	120	117
UG	BTech,Mechanical Engineering	48	Inter	English	60	56
UG	BTech,Metalurgical And Materials Engineering	48	Inter	English	60	34

UG	BTech,Computer Science And Engineering	48	Inter	English	180	180
PG	Mtech,Civil Engineering	24	B.Tech	English	18	13
PG	Mtech,Electronics And Communication Engineering	24	B.Tech	English	18	8
PG	Mtech,Electrical And Electronics Engineering	24	B.Tech	English	18	0
PG	Mtech,Information Technology	24	B.Tech	English	18	7
PG	Mtech,Mechanical Engineering	24	B.Tech	English	18	6
PG	Mtech,Computer Science And Engineering	24	B.Tech	English	18	1

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	16				23				211			
Recruited	14	2	0	16	19	4	0	23	106	105	0	211
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	16				23				211			
Recruited	14	2	0	16	19	4	0	23	106	105	0	211
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				97
Recruited	74	23	0	97
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				63
Recruited	53	10	0	63
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				63
Recruited	53	10	0	63
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.	14	2	0	10	1	0	5	5	0	37
M.Phil.	0	0	0	0	0	0	3	2	0	5
PG	0	0	0	8	3	0	45	52	0	108

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	1	0	0	5	2	0	8
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	48	44	0	92

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		Total
	1		0		1

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	593	0	0	0	593
	Female	271	0	0	0	271
	Others	0	0	0	0	0
PG	Male	24	0	0	0	24
	Female	11	0	0	0	11
	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	67	68	71	62
	Female	32	31	32	34
	Others	0	0	0	0
ST	Male	23	25	24	25
	Female	10	14	13	13
	Others	0	0	0	0
OBC	Male	263	232	261	225
	Female	114	105	112	103
	Others	0	0	0	0
General	Male	237	228	239	226
	Female	115	118	114	135
	Others	0	0	0	0
Others	Male	3	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		864	821	866	823

3. Extended Profile

3.1 Programme

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

Response : 14

Number of self-financed Programmes offered by college

Response : 14

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

Response : 2

3.2 Student

Number of students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3791	3613	3271	2752	2353

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
1696	1576	1387	1356	1080

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

2016-17	2015-16	2014-15	2013-14	2012-13
938	825	612	605	513

Total number of outgoing / final year students

Response : 3499

3.3 Academic

Number of teachers year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
250	228	188	174	144

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

2016-17	2015-16	2014-15	2013-14	2012-13
250	225	187	174	144

Number of sanctioned posts year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
250	228	188	174	144

Total experience of full-time teachers**Response : 1772****Number of teachers recognized as guides during the last five years****Response : 21****Number of full time teachers worked in the institution during the last 5 years****Response : 984****3.4 Institution****Total number of classrooms and seminar halls****Response : 74****Total Expenditure excluding salary year wise during the last five years (INR in Lakhs)**

2016-17	2015-16	2014-15	2013-14	2012-13
864.45	1150.41	701.02	1589.17	623.16

Number of computers

Response : 950

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

Response : 71994

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

Response : 8189

MAAAC

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 Institute has always taken care of the increasing access of students from various sections of the society to higher education, by providing reservations, financial aids, scholarships and relaxation in qualifications as applicable. The Institute has also registered significant increase in students' social participation during last five years. The college aims to achieve its goals of providing higher education to create just, and equitable society in consonance with constitutional values.

The major strength of this Institute is its ability to ensure holistic development of students to make them enlightened citizens. It provides equal opportunity to disseminate knowledge and quality education to all sections of society. It aims to maintain modern outlook with contemporary developments without compromising moral values. Knowledge and quality based education is provided to the students by inculcating moral values, scientific temper and employing state of the art technologies. It aims to pursue excellence towards creating manpower with high degree of intellectual, professional and cultural development to meet the National and Global challenges. The Institute is conscious of its role in campus connection, wellbeing of its neighborhood and has initiated a number of community development activities under NSS - cell of the institute headed by a senior faculty member.

These include:

- Organizing regular blood donation camps, and blood donation on life saving emergency call
- Involvement of the faculty, student and also neighboring institute in various charity activities and relief funds during natural calamities.
- Organizing NSS activities with the assistance of NSS department-JNTUH.
- Health & Hygiene Program around railways station, Bus stand and Hospitals.

The Institute is committed to students' participation in various social activities by ensuring consistent encouragement and motivation. A special mention can be made of Eco Club. The institute has motivated the students to maintain plastic free campus by banning the use of plastic in the campus through which students imbibe qualities of ownership and responsibility in maintaining greenery within the premises of college and taking all safety precautions for insolvency of hazardous wastes.

National Service Scheme provides the students an opportunity to understand the community; identify its needs and problems as well as the solutions in which they can be involved by assuming social and civic responsibilities. NSS also provides students with the opportunity to apply their education in finding practical solutions to the problems faced by the individuals and the community at large. NSS aims at arousing social consciousness of the youth with an overall objective of personality development through

community service. NSS enables students to participate in various programs of social service and National development, to help the community.

Organizing special camps at the nearby villages carrying out the activities like cleaning the village, burning the waste material and garbage, Road leveling, speed breakers painting, cutting the bushes, cleaning the school premises, interaction with villagers and educating them about various issues, Health camp including distribution of medicine free of cost, Interacting with school children with some charity activities etc.,

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: 5.18

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
15	11	08	09	08

File Description	Document
Details of participation of teachers in various bodies	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years	
Response: 14.29	
1.2.1.1 How many new courses are introduced within the last five years	
Response: 02	
File Description	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: 14	
File Description	Document
Any additional information	View Document
Name of the programs in which CBCS is implemented	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: 7.97				
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
662	251	152	110	160

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	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:

Cross cutting issues like Gender, Climate Change, Environment Education, Disaster Mitigation, Human values and Professional Ethics find an ample space when it comes to applying them positively into the curriculum. The Institute, at its own level and with the assistance from affiliating university and other institutions like NITs, IIITs & IITs etc. make arrangements to conduct workshops and conferences at national level, where in the experts from above mentioned fields are invited to share and deliver their experiences and knowledge. The college regularly organizes state level seminars on women empowerment. The subjects Gender Sensitization, Human Values & Professional Ethics, Environmental science are part of the curriculum of the University. It is compulsory for all the students, irrespective of any stream, to clear these subjects.

The Institution holds the tradition of teaching holistic education with emphasis on ethical and moral principles. The college which is co-educational institution sensitizes its staff and students on issues such as gender sensitization, environmental issues etc by holding seminars on the relevant topics. Conducting certain celebrations like women's day on 8th March every year by teachers and students is also a part of our tradition. The college regularly organizes state level seminars on women empowerment. The college management also supports women faculty members by providing maternity leaves as per the central government norms.

File Description	Document
Any Additional Information	View Document

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

Response: 40

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

Response: 40	
File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document

1.3.3 Percentage of students undertaking field projects / internships	
Response: 69.82	
1.3.3.1 Number of students undertaking field projects or internships	
Response: 2820	
File Description	Document
Institutional data in prescribed format	View Document

1.4 Feedback System

1.4.1 Structured feedback on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni 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: A.Any 4 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: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Any additional information	View Document

MAAAC

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: 0.04

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
2	2	1	1	1

File Description

Document

Institutional data in prescribed format

[View Document](#)

List of students (other states and countries)

[View Document](#)

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 95.95

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
864	821	866	823	708

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
900	900	900	840	720

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: 34.15

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
509	475	515	508	389

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:

After admission of students, the Institution organizes orientation program for all the students by bringing the experts in the area of personality development to motivate them. The Institution has career guidance cell and also has mentoring system to help the students to address their concerns and improve their learning levels.

For Slow learners: MGIT organizes special programs for slow learners and exams are conducted to them. Our aim is mainly to improve the academic performance of the students by counseling and provide special inputs. The faculty counselor assesses the nature of their problems and then motivates them in a friendly way to help them reach their academic goals. Extra classes are organized to clarify doubts, re-explaining of critical topics for improving performance. Appropriate counseling with additional teaching, eventually helps to improve. Parents are also called to meet their respective faculty member, if required. The entire lab courses are continuously assessed, students who lag in these courses are given additional help and guidance. They are also given additional lab practice. Faculty members conduct surprise tests, quizzes, etc. to monitor academic progress of each student.

For Advanced Learners: Advanced learners are identified through their performance in examinations, interaction in class room and laboratory, their fundamental knowledge, concept understanding and articulation abilities. The Institute promotes independent learning that contributes to their academic and personal growth. The purpose of assessment is to assess campus community collectively in a systematic and continuing process to create shared learning goals and to enhance learning. These students are encouraged in motivating and involving the rest of the campus community. Advanced learners are encouraged to do their internships in R&D Institutions, and industries and to participate in professional

society activities like ASME, IEEE, SAE, ISTE, CSI, IETE, IEI, IWS, IIM etc.

Strategies adopted for student improvement:

1. Remedial classes are organized to clarify doubts.
2. Re-explaining of critical topics for improving performance.
3. Mentoring and Motivational classes are conducted to help students address their problems and to encourage them to attend classes regularly.
4. Additional details are given in each class regarding the topic.
5. Students are free to discuss their personal issues with their mentors for proper guidance.

Faculty members maintain cordial relations with students and deal with their problems in a gentle manner.

File Description	Document
Any additional information	View Document

2.2.2 Student - Full time teacher ratio

Response: 16.76

File Description	Document
Institutional data in prescribed format	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.12

2.2.3.1 Number of differently abled students on rolls

Response: 05

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:

Experiential learning is a process of learning through experience. A group of students are allotted to a faculty member who looks after them and nurtures them with his/her experience in industry or academics. The participatory learning environment also refers to specific forms of advanced learning techniques that are based on both situational and constructionist principles. It includes activity learning, group discussions, and case studies, community surveys, describing visual images and tours and excursions. Active learning is a form of learning in which teacher strives to involve students in the learning process more directly than other methods.

Collaborative learning is an approach to teaching and learning that involves groups of students working together to solve a problem, complete a task, or create a product through the interactions. The learner creates a framework and meaning to the discourse. It is like group discussions, where a group of three or four students are allotted a particular topic of subject and they are given specific period of time to analyze the concept and to discuss and at last present it in the classroom. Both positive and negative feedback is collected from the students and faculty.

There are many different problem-solving steps and methods; The College offers Bridge Courses, Remedial Coaching for the benefit of the learners.

Bridge Courses: The College offers one week bridge courses in order to strengthen knowledge of basic concepts in Engineering Subjects. This program is offered at the commencement of each academic year.

Remedial Coaching: Based on the Entry Level screening tests and the performance of students in the Assignments and Internals, students are selected for Remedial Coaching. The Remedial Sessions are scheduled after college hours.

File Description	Document
Any additional information	View Document

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

Response: 95.44

2.3.2.1 Number of teachers using ICT

Response: 230

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:** 11.54**2.3.3.1 Number of mentors**

Response: 350

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:**

Though the curriculum is designed and revised by the Jawaharlal Nehru Technological University, Hyderabad but for effective curriculum delivery through innovative methods, our faculty uses e-learning materials such as NPTEL Lectures, ICT enabled teaching, LCD & OHP Presentations, conduct webinars, use Models, Charts and also encourages the students to participate in Group Discussions, role plays and project presentations organized under various professional societies/chapters. All our class rooms, seminar halls and auditorium are equipped with Wi-Fi, LCD projectors and multimedia arrangements.

The Institution mainly focuses on making students original thinkers. The faculty members motivate & encourage students to participate in various cultural activities in order to develop artistic temper among them. In the same way, they encourage students in building scientific and technical capabilities by conducting practical sessions and providing hands on experience in laboratories. These types of activities help students think on their own. To enrich their critical thinking, they are made to participate in GDs, debates, seminars and also are encouraged in organizing technical symposiums, which help them to think and explore new ideas and they get a chance to know their performance in the form of feedback from the experts and eminent professionals in their respective area of study.

File Description	Document
Any additional information	View Document

2.4 Teacher Profile and Quality**2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years**

Response: 99.63

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:** 21.54**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
54	52	44	36	27

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 of full time teachers in number of years**Response:** 7.35

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

2.4.4 Average 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:** 1.86**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
4	7	3	4	1

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: 8.21

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
36	31	7	9	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:

Even though the institution is affiliated to JNTU Hyderabad, it has devised its own continuous internal evaluation system to assess and improve on the attainment of course outcomes and program outcomes.

All the faculty members implement the continuous evaluation system for day-to-day evaluation of laboratory and theory courses to assess the performance of students. For theory courses the faculty gives assignments on topics of latest developments in the concerned area of the subject and the same are evaluated on continuous basis. In addition to the above, evaluation guidelines given by the affiliated university are followed with best of the spirit.

File Description	Document
Any additional information	View Document

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

Response:

Faculty members encourage the Students to redress their grievances, doubts with the evaluation process and help them excel in the examinations. As per university curriculum, internal assessment for 25 marks will be carried out twice in a semester.

The Institute follows open evaluation system where the student performance is displayed on the notice board and the same is informed to the parents. All grievances regarding evaluation, including the internal assessment marks awarded for the students, are redressed by the Department & Examination cell.

The institution has a clearly defined, set mechanism to monitor the internal assessment through <https://mgit.winnou.net/>. Attendance is compulsorily taken for every lecture and same is updated in the Institute attendance portal. Tutorials and laboratory hours are fixed. The tutorials and assignments are corrected within a short duration and the marks are entered in work register & also in the portal, which acts as a ready reckoner for the academic progress of the students. To monitor their wards attendance and performance in the examinations, parents can have access to college web portal through user ID and password provided. Based on the participation in the class and the marks scored in the tutorials and assignments, the student level is judged by the staff member and appropriate action is taken to help the students improve. At the end of each periodical test, progress reports which consist of internal test results and attendance status are submitted to the office for further processing.

File Description	Document
Any additional information	View Document

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

Response:

Students having grievances with the evaluation process and all the doubts in this regard are made clear by showing the corrected transcript of the examination. Every grievance at Institution level is clarified instantly. The grievances of the students in external examination at university level will be addressed through a proper channel of re-evaluation, recounting and challenge evaluation by paying prescribed university fee. The examinations are conducted and controlled by the University and if students have any problem, the Principal of the Institute communicates to the concerned authority (Controller of Exams or other offices) of the University about the grievances of the students. The Institute follows open evaluation system where the student performance is displayed on the notice board and the same is informed to the parents.

File Description	Document
Any additional information	View Document

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

Response:

The academic calendar is prepared as per the almanac of the affiliating university and printed in the form of a handout at the beginning of each year for distribution to all the students. It includes opening and closing dates of class work of each semester, last day of instruction, list of public holidays, preparatory holidays for semester end examinations and schedules of internal & semester end exams.

Details of special academic activities like the student paper contests, youth festivals and workshops are planned by the Departments.

Time table for the students is displayed in each Department Notice Board as well as in main notice boards.

File Description	Document
Any additional information	View Document

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:

The Institution is effectively implementing the outcome based education (OBE) system by actively involving all the stakeholders.

All the faculty members of the Institution have prepared their subject course outcomes and discuss regularly with the students in the class rooms and laboratory classes and the same is assessed at the end of every semester by using direct and indirect assessment methods.

The program wise course outcomes for all courses are attached herewith.

The following program outcomes and program specific outcomes are given below and its assessment is attached herewith.

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

1. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

1.Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

1.Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

1.Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

1.The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

File Description	Document
Any additional information	View Document

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

Response:

Method of CO and PO Attainment:

The process of attainment of COs, POs starts from writing appropriate COs for each course

of the program from first year to fourth year in a four-year engineering degree program. The course outcomes are written by the respective faculty member using action verbs of learning levels suggested by Bloom's Taxonomy. Then, a correlation is established between COs and POs in the scale of 1 to 3, 1 being the slight (low), 2 being moderate (medium) and 3 being substantial (high). A mapping matrix is prepared in this regard for every course in the program.

Attainment Level calculation:

Direct Assessment:

Attainment Level 1: 51-60% of students scoring more than above average marks.

Attainment Level 2: 61-70% of students scoring more than above average marks.

Attainment Level 3: >70 % of students scoring more than above average marks.

The CO attainment levels can be measured based on the results of the internal assessment and external examination conducted by the university. This is a form of direct measurement of attainment. In the JNTUH University which the Institute is affiliated to, Internal marks are for 25 and External marks are for 75. Two internal assessment tests are conducted for each course in a semester. In each test, the percentage of students who achieve a set target (usually, 60% of the maximum marks) for the COs that are covered is computed. After the two tests, the average of these percentages is computed to decide the attainment level.

Similarly, after the declaration of the university results, the percentage of students who attained the COs is computed. Target levels are set (percent of marks scored by a student in a course) for deciding the course attainment level. The target is set based on the university previous results for 3years.

The 75% of External assessment and 25% of internal assessment are taken for computing overall CO attainment for a course.

Overall CO attainment level = 25% of CO attainment level in Internal exams + 75% of CO attainment level in External exams.

The above procedure of computing overall CO attainment is to be repeated for each course from first year to final year in an academic year (including opted electives, project work and technical seminars in final year) in order to enable computation of POs.

The PO attainment level is calculated by taking the average of each PO from all the courses.

If the PO is not attained according to the given target then remedial actions were taken to reach the target.

Indirect Assessment:

The CO and PO attainment level is also calculated through indirect assessment. Indirect assessment includes Student exit survey, Alumni survey and Employer survey.

File Description	Document
Any additional information	View Document

2.6.3 Average pass percentage of Students

Response: 81.45

2.6.3.1 Total number of final year students who passed the university examination

Response: 2850

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

Response: 3499

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:

File Description	Document
Database of all currently enrolled students	View Document

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

Response: 204.2

3.1.1.1 Total Grants for research projects sponsored by the government/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
48.69	36.94	40.89	41.59	36.09

File Description

Document

List of project and grant details

[View Document](#)

3.1.2 Percentage of teachers recognised as research guides at present

Response: 8.71

3.1.2.1 Number of teachers recognised as research guides

Response: 21

File Description

Document

Institutional data in prescribed format

[View Document](#)

3.1.3 Average number of research projects per teacher funded by government and non government agencies during the last five years

Response: 0.01

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

Response: 7

File Description	Document
List of research projects and funding details	View Document
Funding agency website URL	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:

The institution is running eight UG Programmes and six PG Programmes, it established Research Laboratories and UG Project labs in various departments in the emerging areas of technology. As part of it, PG and UG projects are being carried out in the campus. The institution also entered into MOUs with several industries and firms.

The faculty are encouraged to present papers at National and International conferences and also publish in reputed journals.

Civil, Mechanical, MMT, ECE Departments are actively carrying out Research and consulting activities.

The institution has been continually inviting experts from Academic, Research and industries and arranging lectures benefitting the students and faculty.

FDPs, workshops and conferences' are being regularly conducted inviting academicians, researchers from R & D and industries to show the knowledge.

File Description	Document
Any additional information	View Document

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

Response: 92

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
23	22	24	14	9

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: 0.67	
3.3.3.1 How many Ph.Ds awarded within last five years	
Response: 14	
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: 0.78				
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
181	136	161	137	134

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: 0.37

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
58	101	45	78	66

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 Institute has always taken care of the increasing access of students from various sections of the society to higher education, by providing reservations, financial aids, scholarships and relaxation in qualifications as applicable. The Institute has also registered significant increase in students' social participation during last five years. The college aims to achieve its goals of providing higher education to create just, and equitable society in consonance with constitutional values.

The major strength of this Institute is its ability to ensure holistic development of students to make them enlightened citizens. It provides equal opportunity to disseminate knowledge and quality education to all sections of society. It aims to maintain modern outlook with contemporary developments without compromising moral values. Knowledge and quality based education is provided to the students by inculcating moral values, scientific temper and employing state of the art technologies. It aims to pursue excellence towards creating manpower with high degree of intellectual, professional and cultural development to meet the National and Global challenges. The Institute is conscious of its role in campus connection, wellbeing of its neighborhood and has initiated a number of community development activities under NSS - cell of the institute headed by a senior faculty member.

These include:

- Organizing regular blood donation camps, and blood donation on life saving emergency call
- Involvement of the faculty, student and also neighboring institute in various charity activities and relief funds during natural calamities.
- Organizing NSS activities with the assistance of NSS department-JNTUH.
- Health & Hygiene Program around railways station, Bus stand and Hospitals.

The Institute is committed to students' participation in various social activities by ensuring consistent encouragement and motivation. A special mention can be made of Eco Club. The institute has motivated the students to maintain plastic free campus by banning the use of plastic in the campus through which students imbibe qualities of ownership and responsibility in maintaining greenery within the premises of college and taking all safety precautions for insolvency of hazardous wastes.

National Service Scheme provides the students an opportunity to understand the community; identify its needs and problems as well as the solutions in which they can be involved by assuming social and civic responsibilities. NSS also provides students with the opportunity to apply their education in finding practical solutions to the problems faced by the individuals and the community at large. NSS aims at arousing social consciousness of the youth with an overall objective of personality development through community service. NSS enables students to participate in various programs of social service and National development, to help the community.

Organizing special camps at the nearby villages carrying out the activities like cleaning the village, burning the waste material and garbage, Road leveling, speed breakers painting, cutting the bushes, cleaning the school premises, interaction with villagers and educating them about various issues, Health camp including distribution of medicine free of cost, Interacting with school children with some charity activities etc.,

File Description	Document
Any additional information	View Document

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

Response: 13

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
5	2	2	2	2

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 Organisations through NSS/NCC/Red cross/YRC etc., during the last five years

Response: 171

3.4.3.1 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
49	26	29	45	22

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: 29.96

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
951	1643	569	866	715

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: 72

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
20	18	14	10	10

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 universities, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 72

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

2016-17	2015-16	2014-15	2013-14	2012-13
20	18	14	10	10

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:

1. **Class rooms:** The Institute has 63 spacious class rooms with proper Infrastructure with LCD Projectors.
2. **Technology Enabled learning facility:** The Institute has ICT Classrooms where the provision of OHPs, Multimedia learning, Wi-Fi connectivity and internet access is available.
3. **Seminar Hall:** The Institute has eight Seminar Halls and one auditorium. These halls are regularly used for conducting seminars at the college, state and National level. The students of UG & PG are regularly promoted for active involvement in paper presentations, group discussions and participation in professional society activities.
4. **Tutorial rooms:** Sufficient number of tutorial rooms are available for special remedial classes for slow learning and needy students.
5. **Laboratories/Workshops:** The Institute has well equipped laboratories, each of them equipped with state of the art laboratory equipment. These labs are also utilized for students to do their projects during and beyond working hours.
6. **Specialized Facilities and equipments available for Teaching, Learning and**

Research: To promote better teaching and learning, the Institute has facilities like LCD projectors, OHPs and also audio visual equipment through which webinars can be conducted. The college is having a digital library with 95Mbs internet and Wi-Fi facility, which is being effectively used by the students and faculty for their academic and research activity.

File Description	Document
Any additional information	View Document

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

Response:

Extracurricular activities – The College is encouraging and providing facilities for students to participate in outdoor games like Basket Ball, Foot Ball, Volley Ball and Cricket, Indoor Games like Chess and Caroms.

Sports: The College has always created a mark in the field of sports. The college has since long time, been participating in various inter University, University level tournaments, National and International level competitions.

Outdoor Games: A spacious play grounds are available for outdoor games like:

Cricket Net Practice: The Ground has 65 Mts. Circle and Ground Level at Zero Level

Volley Ball Court: The Institution has Two Volley Ball Courts confirming standards. Students use the same in the evening hours.

Basket Ball Court: There are two basket ball courts confirming to standards are available to enable teams to avail the facilities in evening hours.

Indoor Games: Facilities for the indoor games like Badminton, Table Tennis, Chess, Caroms etc, are also provided to students in the college campus.

Auditorium: The College is having a modern, well equipped acoustic auditorium for workshops and seminars. The seating capacity of the hall is about 400.

Cultural Activities: The Institute has cultural club headed by a senior faculty member and all the activities are planned and organized under this club. The students are organizing & participating in many cultural activities like group songs, dance, skits etc., during Annual day celebrations held every year during NIRVANA. The Institute has also been regularly participating in the zonal and inter zonal youth festivals. The college is also organizing an Annual Day function every year where the students participate with zeal in many cultural activities.

Yoga club: The Institute regularly organizes yoga camps and special programs are organized on international yoga day i.e on 21st June during every year.

Public speaking and communication skills development: Career guidance cell of the institution headed by senior faculty member regularly organize Personality development programs which involve various activities like public speaking and communication skills development to enrich the students.

File Description	Document
Any additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 71.62

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 53

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 87.8

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
727.62	1022.1	560.98	1495.30	572.51

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:

MGIT established a spacious **Central Library** with an area of 895 sqm. It started its function with a vision to serve the information needs of its users and to promote a continuous learning atmosphere with holding various Text Book, Reference Books, eBooks, Journals, Magazines, E-Journals, Subject PPT's, Subject Animations, Project Reports, Tutorials, Question Papers and NPTEL Video Lessons related to engineering and allied subjects. Central Library provides abundant information and intellectual requirements to the students and faculty with a user friendly approach. It offers a fully integrated and peaceful environment for conducting academic study.

Data Requirement for last five years: Upload a description of library with

- Name of the ILMS software
- Nature of automation (fully or partially)
- Version
 - Name of Integrated Library Management System (ILMS) : **New Gen Lib**
 - Nature of automation(fully or partially) : **Fully**
 - Version : **3.1.3**

File Description	Document
Any additional information	View Document

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

Response:

In keeping with the MGIT organization mission to collect, describe, preserve, and make available the record of human knowledge, the Central Library acquires, cares, interprets, and promotes the use of important collections of unique, primary source, and other material in all formats and in a variety of subject areas.

Our materials support a variety of research projects and include a broad variety of collections, including local history, Indian history, literary archives and culture.

MGIT Central Library is providing not only JNTUH curriculum books and also special collection, Competitive exams, soft skills and personality development books, college annual day, occasions and workshop or college events photo albums, CD's or DVD's are made available to improve knowledge enhancement, research and exploring new things of the users apart from the standard books. These books arranged in a separate area.

File Description	Document
Any additional information	View Document

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: A. Any 4 of the above

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

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

Response: 22.7

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
31.78	16.60	13.39	26.70	25.04

File Description	Document
Any additional information	View 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: 9.53	
4.2.6.1 Average number of teachers and students using library per day over last one year	
Response: 408	
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
<p>Response:</p> <p>The Institute is having a total 950 Computers with 03 servers to cater to the need of students and faculty. Institute is also having various Systems and Application Softwares. As and when the systems are obsolete we are replacing them. The newest updation of systems takes place in 28 February, 2017 with 300 computers in various departments and 10 systems in 8 January, 2018 for Administration and Mathematics & Humanities department. Institute is having an Internet with 95 Mbps capacity and 20 Mbps Standby. Campus is also having a Wifi facility to cater to the need of students and faculty.</p> <p>IT Service Management:. All the records related to the IT service is maintained in server room.</p>

Software Asset Management: The University makes sure that there is correct use of Information Technology and its tools to carry the teaching, research, administrative and service functions. The University's IT Acceptable Use Policy defines the acceptable behavior expected of users and intending users of the facilities, including the web facilities and systems. The users of the

Open Source Resources: The Institute encourages the use of free available open educational resources which are shared for teaching, learning, and research activities. These resources are available under legally recognized open licenses—free for people to reuse, revise, remix, and redistribute. These help to increase and enhance knowledge domain of both the faculty and the students giving them valuable information and saving their time. An advisory committee for monitoring the trends and issues regarding developments in open source community and integrating its benefits in the university's educational process is in place.

Green Computing: The College promotes Green computing adapting the best practices by using energy efficient CPUs, peripherals, projectors, UPS and Servers. This ensures less power consumption. The University shows its environmental responsibility by reducing the resource consumption when not required.

File Description	Document
Any additional information	View Document

4.3.2 Student - Computer ratio

Response: 4.25

File Description	Document
Student - Computer ratio	View Document

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

<5 MBPS

5-20 MBPS

20-35 MBPS

35-50 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: Yes

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: 58.77

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
539.53	389.97	380.47	1284.42	389.04

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:

Maintenance work of building and furniture is generally undertaken by the construction committee which also includes an Assistant Executive Engineer to render technical assistance when required. Repair / maintenance work of equipment's, computers, power and water supply systems etc., are done periodically/ annually. Moreover, as and when need for immediate repair work is reported by the concerned department or section, steps are taken to execute the work soon.

Normally at the end of the Academic sessions the Heads of various departments and sections are informed to report on the working status of the equipment used in their department / section and the defective equipment's / instruments are repaired and if necessary replaced and kept ready for use before the commencement of the new academic session. The Laboratory equipment's are maintained through college Lab. Some of the staff like Professors, laboratory assistants make the maintenance of the equipment in there laboratory and in major defective equipment have been maintained skill technicians from outsides.

To prevent voltage spikes and fluctuations adequate stabilizers, panel board have been put in place. One overhead tank of each block with **10,000 ltr** capacity are used for storage of water drawn from a deep bore well with **three/ four** submersible motor for constant supply of water. The water supply is never interrupted and sufficient for use. We have installed five numbers of water purifier with cooling mode to solve the problems of drinking water facility.

File Description	Document
Any additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 45.19

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
1696	1576	1387	1356	1080

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: 0.09

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
2	2	2	4	3

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
Any additional information	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: 34.96

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
1383	1141	971	900	1043

File Description	Document
Any additional information	View 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: Yes****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: 47.29**

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
608	480	288	227	148

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: 10.77**

5.2.2.1 Number of outgoing students progressing to higher education

Response: 101

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/ TOFEL/ Civil Services/State government examinations)

Response: 68.91

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

2016-17	2015-16	2014-15	2013-14	2012-13
281	371	280	245	162

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
415	540	420	345	230

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: 59

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
16	0	5	25	13

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:

Our Institution creates a platform for active participation of students in various academic & administrative bodies including cultural activities. This empowers the students in gaining leadership qualities; understand rules, and academic regulations. The topper of outgoing students from each branch of engineering is awarded with gold medals and second topper is awarded with a silver medal.

College got a set of councils for benefit of students with each council having a representative. The representative brings forward the views and suggestions of the entire class with respect to faculty, subjects, syllabus and other things related to the class. The composition of student members is of one topper, one average and one slow learner (the one who has more integrity with other students) of each section is nominated as class representative, for all the sections from I Year to Final Year. The Student Council helps students share ideas, interests, and concerns with lecturers and administration. They often also help raise funds for -wide activities, including social events, community projects, helping people in need and college reform. Various programs like paper presentations, workshops and seminars are organized by these bodies every year.

Institute has student committees such as:

1. Class review committee
2. Anti ragging Committee
3. Food committee
4. Alumni
5. EDC
6. Placement committee
7. Literacy & Cultural Committee
8. Sports & Games Committee
9. ISTE students chapter
10. Women welfare committee
11. Gender champions club
12. Committee on grievances and sexual harassment
13. IETE

- 14. IEEE
- 15. Robotics
- 16. SAE
- 17. ASME

The funding for various activities by the college bodies is provided by the College Management.

File Description	Document
Any additional information	View Document

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

Response: 2.4

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
2	4	2	2	2

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:

MGIT Alumni Association has been officially registered with the Registration number 211/2008 during February 2008. Since then, the Association has been involved in strengthening its activities through conducting periodic meetings in and outside the institute. Alumni of all disciplines of MGIT have been visiting the institute and guiding the undergraduate students in carving their careers in a better way. All the Departments of the Institute have appointed respective Alumni coordinators (faculty members). The undergraduate students are encouraged to take the data of the Alumni and interact with them time and again. Till date, 7 institute level Alumni meets have been organized and Department level Alumni

interactions are being held periodically. Some of the Alumni, who have established well in their career and setup their own industries/organizations/software centers have been coming down to recruit the undergraduates of the Institute in their organizations. Also, the Alumni of respective Departments are contributing financially towards smooth conduct of Departmental Technical events. During the Institute Level Alumni meets, the Alumni Association has been giving suggestions for further development of students' preparedness for undertaking challenging tasks after graduation.

The Alumni Association of the institute is forming student committees to work towards enriching the database of the alumni of all the Departments, tracking their whereabouts, seeking their support in organizing Technical, Cultural and Techno cultural events in the Institute. These committees also would take care of the organization of workshops by the alumni. Website exclusively for alumni is also being designed with the help of these committees.

In near future the Alumni Association would be making its mark in connecting the Institute with alumni to transform the Institute into one of the best in the country.

File Description	Document
Any additional information	View Document

5.4.2 Alumni contribution during the last five years

<1 Lakh

1 Lakh - 3 Lakhs

3 Lakhs - 4 Lakhs

4 Lakhs - 5 Lakhs

Response: 1 Lakh - 3 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

NAAC

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:

•

MGIT envisions, inspires and motivates its students to imbibe knowledge with which they can excel and serve the nation with great elan. To nurture students into disciplined young citizens of irreproachable character, coupled with hands-on training and to make them readily employable by fostering social, cultural and environmental consciousness.

1.

The Mission of MGIT is to strive towards the development and dissemination of knowledge in many diversified academic and professional fields. It aims to reach the pinnacle of technical excellence while pursuing quality improvement continuously. Also, its Mission is to train manpower with a capacity to take – up policy formulation and decision making responsibilities in terms of resource management.

1.

- To impart quality technical education.
- To improve teaching & learning process through continuous assessment.
- To recruit and retain outstanding faculty.
- To enroll and nurture meritorious students.
- To promote Research & Consultancy.
- To improve industry institute interaction towards achieving the institute's Vision & Mission.
- Continuous up-gradation & development of infrastructural facilities.
- To achieve campus automation for better control, coordination and monitoring.
- To equip the teachers with the latest computing facilities along with modern teaching aids.
- To encourage faculty to pursue higher studies.
- Enhancement of academic standards through autonomy.
- To establish "Finishing Schools" to help the weak/rural students to improve their employable skills and personality development.

File Description	Document
Any additional information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The College promotes a culture of participative management by involving entire faculty

- To participate for the assessment of NAAC and for the preparation of self-study report (SSR) and Departmental profile.
- To work for various NBA Committees.
- To take part in college –local community relationship.
- To interact with human resources, research, community’s productivity and service.
- To take part in college level activities.
- To have rapport with management to solve problems for smooth flow of information and encourage individuals to express their views.
- To coordinate with many committees at institute level under different designations like Chief Coordinators, Conveners etc.

The College follows the policy of decentralization. The Governing Body delegates all the academic and non-academic decisions based on policy to the college Committees headed by the Principal. The college Committee formulates common working procedures and entrusts the implementation through Departments. The Department coordinator manages the day to day activities of the Department and keeps a track on co-curricular and extra-curricular activities in the College. Other units of the college like sports, arts, library etc. have operational autonomy under the guidance of the various committees/ clubs/ associations and students are involved from various Departments in the decision-taking process.

File Description	Document
Any additional information	View Document

6.2 Strategy Development and Deployment

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

Response:

The Management maintains transparency in communicating the intent of the organization to all its employees through clarity in authority and delegation to achieve positive results in improving performance of the Institution through the following acts.

- Frequent Meeting of respective Academic/Admission Bodies as per the requirement.
- Equality of opportunity among the staff.
- Creating intellectual and ethical values.
- Creating healthy organizational culture and climate through flexible organizational structure.
- Clarity in roles at each level along with job content and responsibility
- Participative style of management through proper decentralization mechanism.
- Active participation of faculty members in scientific and professional associations through continuous monitoring.

- Making the employees a part in taking operational decisions.
- Provide code of conduct for teachers with regard to work schedule.
- Directing the staff and students by creating a new paradigm of participatory and co-operative education for academic excellence.
- Preparation of Institution Manuals to the staff and students for clarity on educational content along with rules and regulations in governance of the Institute.
- Sound mechanism of reward system, harmonious relations and resolving conflicts at all levels through the stakeholder's involvement.
- Principal is the sole authority to motivate, encourage and advise in carrying out challenging assignments.

File Description	Document
Any additional information	View Document

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:

Chaitanya Bharathi Educational Society (CBES) is the parent society which was established in 1979. Mahatma Gandhi Institute of Technology (MGIT) was established by CBES in 1997. It is governed by the Board of Governors (BOG) which is headed by Chairman-CBES. Secretary and Correspondent of CBES is the Executive Authority. The secretary and Correspondent execute the plan of action through the Principal MGIT. The Principal is assisted by the Heads of the Departments (HODs) of various disciplines, to look after the academic and professional activities of the institute. In-charge-Academic and examinations section will be looking after the admissions, academics and examinations and he will be assisted by three deputy in-charges. Administrative officer will be looking after the administration of the college under the guidance of Principal. Training and Placement officer will look after the student's placements. In-charge-Library will be looking after the functioning of library and purchase of required books. Physical education department looks after the games and sports activities of the institution.

File Description	Document
Any 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
Screen shots of user interfaces	View Document

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

The following are the various committees constituted with staff members for effective functioning of the Institute

General grievance redressal committee

Committee on grievance and sexual harassment

Anti ragging committee

Malpractice prevention committee

Disciplinary committee

College academic committee

Committee on literary activities

Committee on cultural activities

Alumni activities committee

The details of latest Anti Ragging Committee meeting are described herewith

Anti ragging committee meeting was convened on August 16, 2017 under the chairmanship of the Principal and in presence of all Head of Departments and senior faculty.

Agenda of the meeting was

(1) Discussion on review Anti ragging Committee

(2) Fresher's Day for Academic year 2017-2018

Minutes of the Meeting and Resolutions

(1) Principal has reviewed the measures taken for curbing the ragging in the college campus. Members were advised to closely monitor the entire campus and bus stops near the Institute to curb any kind of ragging incidents. Principal informed that the ARC shall meet every week here after and monitor the preventive measures and initiate action on feed back of I year students

(2) Principal instructed the Anti ragging committee to plan to organize a combined Fresher's day on 01/09/2017 for the Academic year 2017-2018 in consultation with the HoD's. The convener of ARC and First Year In charges shall organize the event.

Action Initiated

As per the Resolutions in the meeting, ARC has formulated anti ragging squads consisting of staff members to be vigilant at various location of the campus to prevent any kind of ragging vide letter dated 31.08.2017. Posters and relevant material showing various punishments for violation were displayed throughout the campus and students were educated.

The Fresher's Day was conducted on 6th and 7th October.

File Description	Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies**6.3.1 The institution has effective welfare measures for teaching and non-teaching staff****Response:****The following are the welfare measures for teaching and Non-teaching staff at the Institute:**

1. Implementation of pay revisions as and when Government approves.
2. Implementation of DA regularly.
3. Sanction of yearly increments as per norms
4. Grant of Promotions as per norms
5. Implementation of Gratuity
6. Implementation of Group Health Insurance

7. Implementation of PF for eligible staff
8. Subsidized transport
9. Subsidized canteen facility
10. Provision of purified drinking water round the clock
11. Organizing Medal camps at regular intervals
12. Provision of Medical and Maternity leaves
13. Provision of Staff quarters
14. Festival advances and loans
15. Reimbursement of expenses towards attending conferences and workshops
16. Encouragement of staff for higher studies
17. Creating a mechanism for developing capabilities and skills for achieving higher quality and excellence.
18. Enabling staff to make use of the latest equipment through awareness programmes.
19. Overseas collaborations and seminars to enrich the learning ambience.
20. Training centers, Institutional links and academic management.
21. Conducting programmes on

Creating a mechanism for developing capabilities and skills for achieving higher quality and excellence.

Enabling staff to make use of the latest equipment through awareness programmes.

Overseas collaborations and seminars to enrich the learning ambience.

Training centers, Institutional links and academic management.

Conducting programmes on:

1. Managing stress at work.
2. Computer awareness program.
3. Office automation and accounts.
4. Motivation and team work.
5. Time Management.
6. Work life balance and
7. Yoga etc.,

File Description	Document
Any additional information	View Document

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

Response: 13.25

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
49	43	37	5	7

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
15	11	7	8	6

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 programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programme during the last five years**Response:** 80.05

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
177	130	134	174	144

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:

The institution has performance based appraisal system for the Assessment of teaching and non-teaching staff. The Performance Based Appraisal Reports (PBAS) provide good feedback to faculty, staff and management to help them in understanding the changing needs of students. All faculty members submit prescribed proforma for self-appraisal. PBAS system encourages the faculty members to make excellent performance in teaching –learning and research. The Appraisal report is based on the Annual performance of the employee on the basis of their academic, research and other academic activities. It is also based upon his/her relation with the students, colleagues and administration. The filled forms in the prescribed proforma are reviewed by Head of the Department and Principal. The overall report is further reviewed by the chairman of the governing body and final performance and functioning status is confidentially recorded in the office.

A sample copy is attached

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

We have two types of Auditors.

1. Internal Auditors
2. External/Statutory Auditors.

1. Internal Audit

The Internal Auditors audit quarterly and submit reports to the Management. As per the recommendations of the Management, the objections are settled.

The auditor may thoroughly study the trust deed of the trust to which the College belongs. He may study the Act of Legislature and the rules that are applicable to that College.

The institution may receive the following:

1. Grant from government, local authority or governing bodies.
2. Legacies.
3. Donation in cash and in kind.
4. Income from Investments.
5. Admission fees, Tuition Fees, etc.
6. Fines and penalties.
7. Contribution towards specific fund.
8. Rental income etc.

Records are verified by Auditor in Educational Institutions

To verify the above, the auditor may examine the following books and records:

1. Minutes of the managing committee.
2. Students' fees Register.
3. Cash Book and counterfoils of receipts for fees, caution deposit, fine etc.
4. Rental and [Lease agreements](#).
5. Correspondence and other documents relating to legacies, grants etc.

Role of an Auditor in Audit of Educational Institutions

While examining the above records, the auditor ensures the following:

1. He shall evaluate and confirm the effectiveness of internal check system of accounting of the receipts.
2. He should verify that the fees are collected from all the students and if there is any concession, the same is granted by a person who is so authorized.
3. He should also ensure that the fees received in advance and fees receivable are properly accounted and irrecoverable fees are written off under the authorization of the appropriate person.

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

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

Response: 8

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
4	1	1	1	1

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:

Mahatma Gandhi Institution of Technology is a self – Finance Institution, where the funds are generated the Tuition Fee is the main source of Institutional Income and Tuition Fee paid by the students. Deficit is managed by taking advance from the parent trust. These funds are utilized for all Recurring and Non – Recurring Expenditure.

The Institution has a well-defined mechanism to monitor effective and efficient utilization of available financial resources for the development of the Academic processes and Infrastructure Development.

- Institutional budget Is Authorized by Principal every year taking into consideration of Recurring and Non – Recurring Expenditure.
- Accordingly, all the Administrative and Academic Heads are requested to submit the Budget required for the subsequent financial. Along with this all coordinators of different cells viz., R&D Cell, Exam Cell, T&P Cell, NSS Cell, etc. are instructed to submit their budget to Principal.
- All the major financial decisions are taken by the Institute's Management Committee / Governing Body.
- As and when urgent requirements arise it is given after sanctioned revived from Corporate Office.

All the major financial transactions are analyzed and verified by the governing body under different head like.

- Research & Development
- Training & Placement
- Software & Internet Charges
- Library Books / Journals
- Repair & Maintenance
- Printing & Stationary
- Equipment & Consumables
- Furniture & Fixtures

1. Institute adheres to Utilization of budget approved for academic expenses and administrative expenses by management.

1. After final approval of budget the purchasing process is initiated by Development & Purchase committee which includes all Head of Departments and Accounts Officer, accordingly the quotations called and after the negotiations purchase order are placed.

1.The payment is released after delivery of the respective goods it is done as per the terms and conditions mentioned in Purchase Order.

1.All transitions has transparency through bills and vouchers. The bill payments are passed after testing & verification of items. Only authorized person operate the transaction through Bank.

1.Respective faculty member ensures that whether suitable Equipment/Machinery with correct specification is purchased.

1.The entire process of the procurement of the material is monitored by the Development & Purchase committee and Principal at Institute level then the Finance Department at Corporate Office level.

1.Financial Audit is conducted by Chartered Accountant every Financial Year to verify the Compliance.

File Description	Document
Any additional information	View Document

6.5 Internal Quality Assurance System

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

Response:

Internal Quality Assurance Cell:

MGIT IQAC members ensure the academic, non-academic and administrative quality, benchmark and focuses on achieving organizational goal and justify the Mission and Vision statement of the Institute. It conducts audit on reports received from Program Assessment Committee (PAC) and will be approved by the Head of the Institution and further initiatives will be taken to improve the quality. Based on discussions in meeting, a number of measures have been taken, which have now been codified in terms of regulations, for teaching, learning, and assessment. For example, standards have been evolved in what needs to be done in a course including the amount of outside-class work that has to be given to students. Based on student feedback, instructors are required to adjust their pace of teaching. All instructors are required to do some assessments in each course and the assessment result is to be shown clearly by students' performance in a defined time frame. Clear policies and guidelines have been evolved (and practiced) on academic

dishonesty, plagiarism, copyright violation, etc.

MGIT started conducting tutorial hours by which the students can improve their academics.

1. **Tutorial hours:** The study hours are conducted for all the students to improve their academics. Individual attention is paid to the students to solve their doubts in difficult subjects. More emphasis is given to solve numeric problems by using first principles and experts are invited for further acquisition of knowledge.
2. **Project based assignments:** MGIT initiated Project based assignments as a part of participative learning recommended by IQAC. Instead of just writing assignments, students apply their knowledge and design prototypes, to improve their problem solving methodologies by experiential learning. Project based assignment imbibes active and engaged learning. This method inspires students to obtain deeper knowledge of the subjects. There is a fair chance of retaining the knowledge gained through this method rather than through traditional textbook centered learning. As it combines team- based and independent work, students become self driven and confident. MGIT Students developed prototypes, participated in Hackathon 2017 conducted by MHRD. Departments are regularly conducting technical symposiums like **TECHNOVATION, IGNITO, QUBIT, POTENZIA, YUKTI, CINFRA and METALLON** in addition to these, concerned Departments organize professional society activities like ASME, ISTE, SAE, IEEE, IEI, CSI, IIM for the benefit of students..

File Description	Document
Any additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

The main objective of IQAC is to give quality assurance of academics and administrative works. It ensures for the growth of faculty and students and provides guidelines periodically for quality assurance. IQAC reviews its teaching-learning process, structures & methodologies of operation annually. It also verifies the learning outcomes periodically through student feedback and Departmental meetings. IQAC found that the teaching methods must be made more interactive and more visual for the benefit of students. Departmental libraries, internet facilities, computing facilities during and beyond working hours will help the students and teachers for improving the teaching and learning process. LCD projectors are used in the class rooms and laboratories for effective presentations of e-learning content. Number of hard bound books and e-books are regularly purchased along with the periodicals. Separate ICT enabled spacious IQAC office is established.

IQAC does the following:

1) Mapping

Faculties of all the Departments have course objectives and outcomes for all the subjects in their program. They are in consistent with the program outcomes and program specific outcomes. Attainment levels are set and attainment of POs & PSOs are measured in terms of student performance in internal and University exams. Indirect attainment level of POs & PSO is determined based on the student exit surveys, employer surveys. Based on the mapping of the COs, POs and PSOs, the reasons for non attainment, if any are documented and appropriate action is initiated. In case of reaching the attainments, new attainment levels are set for improvement.

2) FDPs:

This program is designed to train and develop professionals in their area. It makes sure that committee selects proper topic and activities for FDP and it provides practical hands-on training to all the faculty members with the help of industry. To improve the quality of teaching and learning, MGIT conducts Faculty development Programs (FDPs) at regular intervals.

File Description	Document
Any additional information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year**Response:** 22.2**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
36	23	26	14	12

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
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:

- 1.Establishment of new laboratories/purchase of equipment along with value added software in various departments in tune with industry requirements.
- 2.Few faculties obtained their Ph.D's and publications improved over the last five years.
- 3.Faculty with industry experience/higher qualifications in specific areas are recruited to suit the P G programs started in the institution.
- 4.IQAC has initiated Quality enhancement initiatives over the past few years. Skill oriented courses like Android & i-phone programming, Tally, ASP dot Net, Hardware Networking, robotic club, SAE membership drive, Soft skill development, Web designing have been conducted.
- 5.Language Laboratory (Phonetic lab / advance communication skills lab) was established with 70 Computers and Spoken English Programme was conducted using Licensed 'Orell' software. College has received AICTE grant OF 19.75 for FDP for general development, remedial coaching assistance, to strengthen teaching & learning process and under various merged schemes. All the grants received are properly utilized for the respective goals.
- 6.Projector & Screen with Computer and loudspeaker sets are also used for interactive learning experience. White boards are installed wherever possible and necessary to create chalk-dust-free and clean laboratories and class rooms. (Electronics Lab., Commerce Lab. cum Class room etc.)

Internet connectivity is extended to all the Computers in the Departments as well as Laboratories for ease of access to information related to the respective subject of interest

7. Microsoft Windows as well as Microsoft Office License copies are upgraded twice as per the need at the various departments and office. Wherever required the independent Scanner cum Printers are installed with the latest Computer configuration for fast and easy operations of the various departments.
8. The management is planning to install Solar panels on the terrace of the College for internal power supply. Display boards as well as soft boards are installed as per the need at various departments
9. Clean water plant and dispensing machines are installed at the convenient locations in the premises. All laboratories are equipped with UPS for un-interrupted power supply.

1. Independent Examination Department is developed with the state of the Art technology. Video Lectures are prepared by JNTU Hyderabad for the various subjects and linked to our college server. In addition NPTEL videos are made available in the college library.

File Description	Document
Any additional information	View Document

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: 6

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
1	1	1	1	2

File Description	Document
List of gender equity promotion programs organized by the institution	View Document
Any additional information	View Document
Report of the event	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:

Counseling

Institute gives utmost priority to students counseling regarding various issues. Faculty members are appointed as mentors (one faculty member for a group of 20 students of their respective branch) to solve the issues related to academics and any problem being brought to the notice. periodic evaluation of students is done by the mentors during their course of study and guidance is given with respect to career, placements and higher studies etc. personal care is taken by the advisors to build the confidence and morale of the students who are in low spirits.

A Grievance Redressal Cell takes care of the grievances of students and to attend to their problems.

Personality development sessions are being regularly organized for overall development of the students inviting different organizations.

Training and Placement cell offers career counseling, training and skills needed as per the requirements of industry.

Security

Extreme care is taken with respect to security. Private security agency is employed to provide 24/7 hours security to the institute. CC TV surveillance is available throughout the institute. Students and visitors are allowed on the submission of identity cards and proof of identity respectively. A Faculty in-charge is appointed to monitor the security measures. There is a police station at a distance of 4 kilometers from the Institute in case of any emergencies. Medical facility and ambulance facility are being provided.

Common Room

There are separate common rooms for boys and girls. In addition to them, each department will have separate common rooms and seminar halls for the students of their respective branches. Proper facilities are being provided to the student cells and clubs in separate rooms and halls for carrying out their respective activities.

File Description	Document
Any additional information	View Document

7.1.3 Alternate Energy initiatives such as:

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

Response: 0

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

7.1.3.2 Total annual power requirement (in KWH)

Response: 600

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: 0.62

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

Response: 0.564

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 90.788

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
 - Liquid waste management
 - E-waste management
- **Solid Waste Management:** Institute is making efforts to make it free from plastic usage. Solid waste includes canteen waste, paper waste, disposable cups, used tissues, waste of eatables, tin, cans and peelings etc. They are segregated into dry and wet waste and collected separately into keeping separate bins. The waste in the campus is disposed in an eco-friendly manner without polluting the environment. Appropriate composting methods are being practiced for decomposition of garbage by developing composting pit and the produced fertilizer is used for gardening on the campus. Remaining waste will be collected by GHMC for its disposal and recycling having tied up with WOW - an agency working with GHM. Used paper will be donated to the people in need of them and given to appropriate purchasers. 'Swachh Bharat, clean & green activities and plantation programs are regularly carried out to keep campus clean in addition to routine maintenance of greenery.
- **Liquid waste from sanitation** is let into the appropriate drainage system provided by the municipality. Waste from drinking water treatment plants is collected in overhead tanks and used for sanitation and gardening. There are plans to construct Sewage treatment plant and production of

organic compost with decomposition of liquid waste. College also educates the students regarding rain water harvesting and takes up activities related to save water campaign. Trees and lawns are maintained with water drips and sprinklers to avoid water wastage. The campus landscape allows excellent Percolation of rain water into the ground.

- E-waste Management: Some Working computers were donated to nearby school. Appropriate steps are being initiated to reduce The E-waste material generation to certain extent. Electronic waste and computer accessories are given to licensed purchasers for recycling.

File Description	Document
Any additional information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Towards Social responsibility, the institution authorities have taken measures to implement rain water harvesting in the campus with a view to recharge the ground water table. The rain water harvesting pits were constructed as per the standard guidelines recommended by Central Public Works Department (CPWD) India, at identified locations in the campus and details of which are mentioned as under. Each pit measures 3m x5m in size and 1.5m deep.

Pit No	Location
1	Parking Place
2	Between B and C Block
3	Between C and D Block
4	Adjacent to Football court
5	Behind E-Block

File Description	Document
Any additional information	View Document

7.1.7 Green Practices

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

Response:**GREEN PRACTICES:**

Green Practices followed by both faculty members and students in the campus are

1. Public Transport: BUDGET 5 BUSES AND 1 JEEP (1 CR)

The institution is located just 1 km from ring road and main road. Institute encourages faculty members and students to use the public transport for safety, security and fuel conservation.

2. Pedestrians Friendly Roads :

The campus has wide, well maintained black top roads, covering every nook and corner of it. It has foot paths on both the sides.

3. Plastic free campus:

Use of plastic bags and cups are discouraged in the campus. Even in the canteen usage of steel plates/ leaf plates and steel cups or paper cups are mandatory.

4. Paperless office:

The Management has taken keen interest to make the office a paperless office. The accounts/office and academic information is stored and maintained through well connected personal computers. The complete campus is Wi Fi enabled, making it much easier for paper less activities. Even the official information and circulars are preferred to be sent only through mails

5. Green landscaping with trees and plants: (BUDGET 2 LAKHS / ANNUM)

The institute has taken several measures for plantation to make Green Campus. 60% of total area is covered with trees and lawns. A number of trees exist at different places in the campus. Tree plantation in the campus is a regular activity under NSS.

File Description	Document
Any additional information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years**Response:** 0.09

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
1.10	1.02	0.80	0.75	0.40

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:** A. 7 and more 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: 41

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
11	5	7	13	5

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: 13**

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
4	1	2	5	1

File Description**Document**

Details of initiatives taken to engage with local community during the last five years

[View Document](#)**7.1.12****Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff****Response: Yes****7.1.13 Display of core values in the institution and on its website****Response: Yes****File Description****Document**

Provide URL of website that displays core values

[View Document](#)

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

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

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

Response: 39

File Description	Document
List of activities conducted for promotion of universal values	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

1. 11.11.2014 - National Education Day - Birth Anniversary of Abul Kalam Azad - Essay Writing on the Topic - Is Education for Campus Placements or Character Building Elocution on the topic - What am I expecting from my English Teacher To all the students of MGIT

2. 15.09.2014 - Engineers Day Celebrations - Birth Anniversary of Bharat Ratna Sir Mokshagundam Visvesvaraya Essay Writing on "Making Indian Engineering World Class" for all Final Year students
3. 15.09.2013 - Engineers Day Celebrations - Birth Anniversary of Bharat Ratna Sir Mokshagundam Visvesvaraya Essay Writing on "Frugal Engineering - Achieving More with Fewer Resources" for all Final Year students.
4. 11.11.2013 - National Education Day - Birth Anniversary of Abul Kalam Azad - Essay Writing and Elocution on the Topic - "Is Value Based Education Need of the Hour" To all the students of MGIT.
5. 15.09.2012 - Engineers Day Celebrations - Birth Anniversary of Bharat Ratna Sir Mokshagundam Visvesvaraya Essay Writing on "Appropriate Climate-Responsive Technologies for Inclusive Growth and Sustainable Development" for all Final Year students.

File Description	Document
Any additional information	View Document

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

Response:

The functions of the Mahatma Gandhi Institute of Technology and its academic and administrative units are governed by the principles of participation and transparency. Formulation of developmental objectives, directives and guidelines with specific plans for implementation by aligning the academic and administrative aspects improves the overall quality of the institutional functions.

Effective leadership by setting values and participative decision-making process is key not only to achieve the vision, mission and goals of the institution but also in building the organizational culture. The formal and informal arrangements in the institution to co-ordinate the academic and administrative planning and implementation reflects the institutions efforts in visualizing its vision.

The institution has developed strategies for mobilizing resources and ensures transparency in financial management of the institution. Budgeting and optimum utilization of finances as well as mobilization of resources are the key issues handled by the Chaitanya Bharathi Educational Society.

The Institution has established procedure to collect document the budget allocation and its utilization.

The respective Head of the Departments submit the requirements in the Standardized format which are consolidated for every academic year. The various heads of the budget like recurring and non-recurring budget including the department capital requirements, student and faculty related expenses, event expenses, research & development, administrative expenses, R & D, repairs, maintenance and other infrastructure related expenses, etc. The Budget will be approved by the BOG and same will be implemented in a transparent manner by the principal of the institution as per the requirement of the various departments and functional units. The budget will be audited regularly by the external auditors.

Feedback from the stakeholders on a regular basis and acting on the same is an effective mechanism to ensure transparency and effective management.

File Description	Document
Any additional information	View Document

7.2 Best Practices

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

Response:

1. Integration of Teaching, Research and Evaluation

Objectives of the Practice

To get the students readily employable and train them to face any kind of challenge or situation

To make the students good human beings and to address the needs of society

To inspire the students to become entrepreneurs

To have good industry-institute collaboration

To inspire the students to get involved in technical innovations

To get the programs being offered by the Institute most sought after

To make working environment of Institute most satisfactory

The Context

What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?

Conduct an institutional self-assessment

The faculty incentive system to attract the potential and competent researchers

Improve teaching methods and practices

Encourage teachers to submit research proposals and get approval of such projects.

R&D facilities.

Getting adopted to the contemporary changing scenarios

The Practice

Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?

In the context of Indian higher education, development of new and existing courses further becomes a challenge with respect to curriculum updating to meet industry requirements. Considering the research aspects the teachers are to be continuously motivated for preparation of proposals and sending them for approval. These are related to promotion of higher education and increasing the capabilities of the faculty.

Limitations/constraints that may need to be addressed for unique practices and course developments are to keep up with Sustainable and efficient use of energy and materials that are environmentally safe. Incorporate technological innovations, Product development and handling of risky projects.

Evidence of Success

In tune with its Vision, MGIT established good contacts with industries and entered into MOU's with several industrial firms including RCMA and DMRL. Government of India sanctioned Ministry of chair grant to MGIT for the period of 2013-2018 through which scholarship is paid to top five rankers in the 3rd and 4th semester for 24 months. It is a unique achievement as this scheme is given to NIT's and Government Institutions in other states, where as it is awarded to MGIT, in the combined state of AP and now Telangana. Graduates coming out from MGIT settled in Global premiere organizations including defense industries, Indian Navy and Civil services.

Problems Encountered and Resources Required

Ensure that the curriculum supports the institution's strategic plan

The challenging issues included the formulation of syllabus and receive approval from the statutory bodies and the University as well as get approval from the UGC.

Dearth of finances for R&D facilities and approval of research projects

File Description	Document
Any additional information	View Document

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:

An atmosphere that facilitates personal commitment to success of students is prevalent at MGIT. The Institute has an Academic committee consisting of Principal, Professors, senior faculty members and Examination Coordinator which prepares the academic calendar well in advance before the commencement of the session/semester. The Staff members before the commencement of semester prepare the lesson plans, and make them available to the students. Many efforts are being made for the past few years to change the Teaching – Learning environment into activity based learning.

MGIT is committed to develop professionally groomed manpower with sound knowledge and skill, respect to profession, social and national values and ethics.

This commitment is translated into practice through

1. Adopting best delivery mechanism
2. Professional and intellectual fulfillment of faculty and staff
3. Carrying out quality research in frontier lines of technology
4. Continuous augmentation and renewal of Infrastructure and facilities
5. Creating congenial and conducive work environment

Apart from these, the following help the institute to produce results in consistent with our Vision

Counseling system:

Every faculty member is allotted 10 to 15 students to whom one acts as a counselor/Mentor. The counselor identifies the academic and personal problems of his/her ward. The wards are encouraged to participate both in curricular and extra- curricular activities. Each department arranges guest lecturers periodically addressed by the eminent persons from Industry, Academic and Research Institutions. Eminent experts of National reputed people are invited from academic /organization /industries for seminar, workshop, conferences etc. In addition to the classroom interactions, following are the other methods of learning experiences provided to the students:

1. Project work, paper presentation / Group discussions
2. Short term Industrial visits and Internships.

3. Oral presentation and Seminars/ symposiums/ workshops

4. Providing access to e-journals and e-books

Feedback System:

1. Students give feedback about the faculty at the end of each session or semester.

2. Feedback is taken from the parents of the wards.

3. Feedback is also taken from alumni and industry experts.

4. Feedback collected is analyzed and action is taken accordingly. The feedback is made available on web site.

The students play major role in the events like Annual day, Sports day, youth Day etc., which are being organized by the college and inculcate the qualities of co-operation, co- ordination and team work.

Personality development programs and seminars are being conducted from the first year to improve communication skills & soft skills of the students.

Social Responsibility Activities Go Green Activity through plantation· Blood Donation· Visiting Hospitals· & Interacting with patients and distribution of nutritious food, plantation and visiting nearby villages and helping them according to their requirements

Achievements are envisaged through

- 1.Improved students understanding in domain knowledge
- 2.Improved results and pass percentage
- 3.Reduced backlogs and detention
- 4.Improved placements and number of students opting for higher studies

File Description	Document
Any additional information	View Document

5. CONCLUSION

Additional Information :

- MGIT emerged outstanding engineering institute (south) by ABP NEWS National B school awards held on 30th June, 2012.
- MGIT ranked 2nd among top emerging engineering colleges by competition success review in august 2011 issue.
- Ranked 7th in state level private engineering colleges EDU tech RAND.
- Ranked AAA among state level private engineering colleges by CAREERS 360 in may 2013 edition.

criterion-1

<http://www.mgit.ac.in/naac/1.1.2.pdf>

<http://www.mgit.ac.in/naac/1.1.3.pdf>

<http://www.mgit.ac.in/naac/1.2.3.1.pdf>

<http://www.mgit.ac.in/naac/1.3.3.1.pdf>

criterion-2

<http://www.mgit.ac.in/naac/2.4.1.zip>

<http://www.mgit.ac.in/naac/2.4.2.1.pdf>

<http://www.mgit.ac.in/naac/2.4.4.1.pdf>

criterion-3

<http://www.mgit.ac.in/naac/3.1.2.1.pdf>

<http://www.mgit.ac.in/naac/3.1.3.1.pdf>

<http://www.mgit.ac.in/naac/3.2.2.1.pdf>

<http://www.mgit.ac.in/naac/3.3.3.1.pdf>

<http://www.mgit.ac.in/naac/3.3.4.1.pdf>

<http://www.mgit.ac.in/naac/3.3.5.1.pdf>

<http://www.mgit.ac.in/naac/3.5.1.1.pdf>

<http://www.mgit.ac.in/naac/3.5.2.1.pdf>

criterion-4

[http://www.mgit.ac.in/naac/4.1.4.1.AUDIT REPORT.rar](http://www.mgit.ac.in/naac/4.1.4.1.AUDIT%20REPORT.rar)

<http://www.mgit.ac.in/naac/4.2.6.1.pdf>

criterion-5

<http://www.mgit.ac.in/naac/5.2.2.rar>

<http://www.mgit.ac.in/naac/5.2.3.rar>

criterion-6

<http://www.mgit.ac.in/naac/6.3.4.rar>

<http://www.mgit.ac.in/naac/6.4.1.rar>

Concluding Remarks :

With dedicated efforts of the management, faculty, staff and students spanning over two decades, the Institution has made an excellent progress and has emerged as one of the top ranking institutions in the state of Telangana and one of the emerging institutions in India. MGIT stands in the rank band of 151-200 in NIRF (National institutional ranking framework) rankings given by MHRD, Government of India in the academic year 2016-17. The institution is practicing better teaching-learning practices by implementing outcome based education (OBE) by involving all the stakeholders. MGIT students have got more than 608 placements in various reputed multinational organizations in the academic year 2016-2017 and the total placements in the last five years amount to 1751. MGIT has developed a systematic approach to develop first generation entrepreneurs through curriculum, awareness, motivation programmes and industry interaction. Entrepreneurship is adopted as one of the process to prepare students as leaders to take global challenges and opt for self employment. MGIT students received INAE innovative project awards in the year 2016. The institution is continuously organizing faculty development programmes, seminars and conferences, workshops, certification courses for the benefit of faculty and is also organizing many professional activities under ASME, SAE, ISTE, CSI, IEL, IEEE, IETE and IIM for the benefit of the students. The faculty members have received funding from UGC, AICTE and DST for organizing FDPs and to carry out research work.