

# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

## **ANJUMAN COLLEGE OF ENGINEERING AND TECHNOLOGY**

ANJUMAN COLLEGE OF ENGINEERING AND TECHNOLOGY, MANGALWARI  
BAZAAR ROAD, SADAR,  
440001

[www.anjumanengg.edu.in](http://www.anjumanengg.edu.in)

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Anjuman College of Engineering and Technology was conceptualised in 1999 as a medium of imparting quality technical education to aspiring students of Central India, reaching to all the section of the society ,particularly to the financially weak youths, irrespective of caste creed and religion. The college is affiliated to the R.T.M. Nagpur University ,Nagpur, and is recognised by the Government of Maharashtra and approved by the All India Council of Technical Education , New Delhi

ACET is managed by Anjuman Hami –E Islam, a non profitable education Trust , with a legacy of 129 years .It has been serving the most noble cause i.e. education. Steady perseverance and unflinching faith has made the Trust a reputed and respected name in the region. We at ACET are carrying forward this legacy in formidable terms In a short span of time the college has carved a niche in the technical academic scenario. This is the only engineering college of Nagpur located in the zero mile area, exactly in the heart of the city .It is our effort to create a conducive academic culture for learning wherein students are provided with opportunities for all round development, wherein education is laced with moral and social ethics.

The courses offered in the undergraduate programme are Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Telecommunication engineering and Mechanical Engineering . The institute also offers PG programs in Mechanical Engineering Design and Electronics and Communication Engineering, and P.hd program in the Mechanical Engineering.

### **Vision**

To be a centre of excellence for developing quality technocrats with moral and social ethics, to face the global challenges for the sustainable development of society.

### **Mission**

To create conducive academic culture for learning and identifying career goals.

To provide quality technical education, research opportunities and imbibe entrepreneurship skills contributing to the socio-economic growth of the Nation.

To inculcate values and skills, that will empower our students towards development through technology.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### **Institutional Strength**

- Commitment to serve the cause of education and to achieve academic excellence
- Farsighted , Supportive and Democratic management

- Managed by Non profit Educational trust with a legacy of more than 129 years
- Located in the heart of the city
- Academics amidst serene surroundings
- Thrust on judicious use of natural resources and recycled material
- Student Centric pedagogy catering the needs of slow learners and fast learners
- Active industry institute interaction
- Reaching to all the sections in general and the under privileged in particular
- Highly Experienced and equally dedicated Faculty
- One of the best institution in terms of staff retention having almost 100% staff retention
- More than 60% University approved Teaching staff .
- Corporate trainers for Soft Skills and Aptitude training
- Proven teaching learning processes
- Avenues for all round development
- Strong connect with stakeholders
- Effective training interventions in the form of Bridge Courses and Ad On Courses.
- Enjoys goodwill of all the section of society .
- 100% revenue generated is utilized on staff salary and overall development of the institution.
- Believes and practices education laced with moral and social ethics
- Earned goodwill and developed strong rapport with the university , D.T.E. and various other official governing bodies
- We have one of the best library meeting all the laid down standard of modern technical education
- Has set up a trend of churning out university rank holders consistently
- Rated amongst one of the five best colleges of the region
- Cosmopolitan environment
- Strong community tie ups through student participation
- State of the art learning resources

### **Institutional Weakness**

- Non availability of fund and resources from government sources
- Vernacular blend of students
- Weak entry level of students
- Research activities needs to be enhanced
- Mismatch between industry requirements and university syllabus
- Less placement opportunities in mechanical and civil branches as compared to other branches
- Difficulty in getting consultancy assignment

### **Institutional Opportunity**

- Proximity to Fast developing industrial belt
- Emergence of Nagpur as Smart City
- Opportunities for higher education
- Skill development opportunities under government schemes
- Start up avenues
- Make In India. Digital India Mission
- Research and Development

## **Institutional Challenge**

- To mould the level of students input into higher levels.
- Lesser scholastic aptitude of students
- Vernacular blend of students
- Delay in receiving government scholarship
- To manage and meet the specified standards of modern technical education with limited financial resources
- Shift in students preference from Engineering over other courses
- Frequent changes in Admission Norms especially for Minority institutes.

To match between the current industrial requirement and university syllabus

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

The institute being affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, adheres to the syllabus and Academic Calendar prescribed by the University. However, the institute plans innovative and creative methods for delivery of the curriculum. The Institute's academic calendar is planned and implemented. Apart from regular classes we have different additional courses for the students to create trained manpower in accordance with global perspective. Faculty regularly contribute to the development of the curriculum by the university as members of the BOS or by giving suggestions/inputs in the curriculum development workshops organised by university.

Institute has introduced M-Tech in Electronics & Communication Engineering & Mechanical Engineering Drawing. Choice Based Credit System is available for the M. Tech course. Institute offers electives as per the University curriculum for all the branches. Students can select the Elective of their choice. Apart from regular classes we have seminars/presentations, guest lecturers/workshop hours to enhance the capability of students.

The content beyond syllabus is a very important aspect that focuses on introducing students to the latest trends in technological advancements. To achieve the goals and objectives, the students are encouraged to develop industrial based projects and attend the internship program in various industries.

The institute obtains feedback from various stakeholders which is studied and analysed in the direction of content, syllabus design, faculty involvement, quality of teaching and conveyed to the concerned faculty for further necessary action.

### **Teaching-learning and Evaluation**

This criterion deals with the efforts of the institute to serve students of different backgrounds and abilities, through effective teaching-learning experiences. The focus of this criterion is captured in the following Key Aspects

***Student Enrolment and Profile:-*** This criteria also reflects the institutions effort in ensuring equity and wide

access which is evident from the student profile having representation of student community from different geographical area and socio-economic, cultural and educational backgrounds complying with all the norms laid down by various governing bodies.

**Catering to Student Diversity:-** There are various programmes and strategies adopted by ACET to satisfy the needs of the students from diverse backgrounds including backward and minority community as well as from different locales. Gender equity and admission opportunity for differently-abled students are also considered.

**Teaching-Learning Process:-**The teaching-learning modalities and the learning-centered education of the ACET are rendered to be relevant for the learner group from the diverse background.

**Teacher Profile and Quality:-**Teachers take initiative to learn and keep abreast of the latest developments, to innovate, continuously seek improvement in their work and strive for individual and ACET excellence.

**Evaluation Process and Reforms:-**This Key Aspect looks at issues related to assessment of teaching, learning and evaluative processes and reforms, to increase the efficiency and effectiveness of the system.

**Student Performance and Learning Outcomes:-** Learning Outcomes must be part of the evaluation protocol of the programme. Student assessment provides an indication of the areas where learning has happened and where it has to be improved upon.

### **Research, Innovations and Extension**

ACET encourages its faculty and students to participate in research activities. Dean, Research and Development looks after the research activities of the college and keeps in touch with the recent trends in the research oriented programmes.

A number of faculty members have enrolled under the concerned University to carry on their research work. The college subscribes reputed national and international journals for various fields and has also provided institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers. Computer with high bandwidth Internet facility along with Wi-Fi connectivity is provided in the campus to the faculty and students for carrying research works.

Encouraging faculty and students to attend research programmes, workshops, seminars, Conferences conducted in the Institute and at other organizations. The faculties are also encouraged to organize research workshop, seminars, Conferences, to collaborate with eminent professors of reputed institutions for their research activities.

The faculty members who are pursuing Ph.D. research work are granted leave to carry out their research works and to meet the respective guides. Successful completion of research programmes leads to appreciation and academic career building.

The students have published their papers in international and national journals. Some students have won prizes in various technical competitions at National level. The students are encouraged to participate in different tech-fest, Science fair, Technical paper competitions/presentations.

## **Infrastructure and Learning Resources**

This criterion seeks to elicit data on the adequacy and optimal use of the facilities available in the institution to maintain the quality of academic and other programmes in the campus. It also requires information on how every constituent of the institution-students, teachers and staff - benefit from these facilities.

The important aspect of the institute's infrastructure is that at present, it houses all departments as per AICTE norms. The Institute has furnished Lecture Rooms, Laboratories, Common Rooms, and Independent Computer Labs. The college has a lush green and dust free campus. The campus has high speed broad band Internet facility. Central library has good ambience with an adequate seating capacity, large number of books and subscriptions of National and International journals.

The computer laboratories are well equipped with latest high end desktops. Teaching-learning is being enhanced by implementing NPTEL video lectures and by arranging workshops, seminars. There is a generator power backup facility.

The institute has sufficient resources allocated for regular development of the infrastructure in the college and effective mechanisms to ensure the optimum use of the same. The institute constantly and continuously expands and upgrades the required infrastructure facilities as per the A.I.C.T.E. norms.

## **Student Support and Progression**

We at ACET strongly believe in the holistic development of students besides empowering them with knowledge and skills necessary for personal growth and to face global challenges. The institute provides a number of mechanisms for student support and mentoring. Regular interaction between students and the faculty mentors helps to identify and understand student issues. Elected student panel also acts as an interface between the Principal and the students.

The institute conducts soft-skill development, career counseling for identifying career goals and imbibing entrepreneurship skills and personal enhancement sessions for the students by inviting external experts. Institute has chapters of professional societies such as CSI, IEEE, SAE, ICI and ISHRAE. These chapters organize guest lectures, seminars, project competitions, workshops.

With a view to give space for multi-dimensional growth and achievement, both boys and girls students are provided with facilities like games and sports, annual cultural event 'Celestial', departmental events and other recreational avenues for acquiring and exhibiting their talent. Students are motivated to participate in various technical and non technical conferences, events, symposiums at International as well as National level. Various student activities are organized under the leadership of the elected student representatives.

The College is a member of federation of training and placement officers working in engineering colleges under ECPA which has been instrumental in conducting job fairs pool campus, workshops on placements and entrepreneurship development. The institution publishes annual college Magazine "Celestial" and its updated prospectus annually and provides all the information regarding admission, various programs, student facilities and placement information.

## **Governance, Leadership and Management**

The institute is run by Anjuman Hami e Islam trust, established in 1888. The institute harbours a vision to offer quality education in the field of engineering and to develop competent graduates. The appointment of Principal and other staff members takes place according to A.I.C.T.E./RTM Nagpur University guidelines. Principal acts as a local head of institute and sets internal policies of the institute in association of Deans, Heads of departments, conveners of committees, librarian and other senior members of teaching and non-teaching staff. The institute has been moving ahead in paperless management with the implementation of software in various processes. The institute makes budgetary provision for recurring and nonrecurring expenditure in advance. The budget allocation is proposed by the Principal to the trust and after sanction is dispersed to different departments making purchase of equipments, books, etc. The financial management is prepared and managed by the Accounts officer and Administrative officer . Regular audits are conducted at internal and external levels. The institute has well defined policies having specific goals for improvement in quality of academics and infrastructure. The institute takes feedback from students, and tries to involve students in various administrative activities. The institute engages with its stakeholders through parents – teacher and alumni meetings, held from time to time. The institute has an established IQAC which plays an instrumental part for all developmental decisions within the institute including infrastructural and academic development. The IQAC holds meetings as and when required to assess the progress of proposed activities.

### **Institutional Values and Best Practices**

The institute offers equality in the policies for all stakeholders. Equal opportunities is provided for all eligible individuals to participate in any of the academic / extracurricular, co-curricular activities including the recruitment process as well.

Institute has a very strong NSS team. As per the motto of NSS, the college plans lots of community activities which brings in the mind set of mutual co-existence, cooperation, help the needy, and inculcates compassion towards under-privileged. Environmental Science subject is made compulsory to all courses in the university.

Since its inception the institution always aimed to build Eco –friendly atmosphere in the campus. The institute is committed towards environment friendly atmosphere and green campus by managing various wastes like Solid Waste, Liquid Waste and E-Waste. The development plans are always driven by the concern for eco-friendly environment and sustainability of life giving resources like energy, water, greenery and pollution free environment.

Institute takes various efforts to accommodate Differently-abled students (Divyangjan) like provision of ramps, rails, lift, braille software etc.

Every year institute plans and organizes national festivals like Independence Day, Republic Day, International Yoga Day and many more.

One of the best practices we follow is excellence in academics and teaching learning process. This practice has helped us to fetch University rank holders. Another best practice that we follow is overall development through interpersonal skill, co-curricular and extra- curricular development of student and faculties. This practice motivates students and prepares them for their future

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	ANJUMAN COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	Anjuman College of Engineering and Technology, Mangalwari Bazaar Road, Sadar,
City	Nagpur
State	Maharashtra
Pin	440001
Website	<a href="http://www.anjumanengg.edu.in">www.anjumanengg.edu.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Sajid Anwar	0712-6604502	9730226809	0712-2582749	eng_acet@rediffmail.com
Professor	Syed Mohammad Ali	712-6604502	9822714806	712-2582749	ali_acet2003@yahoo.co.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular



<b>Recognized Minority institution</b>	
If it is a recognized minority institution	Yes
If Yes, Specify minority status	
Religious	Muslim Minority
Linguistic	
Any Other	

<b>Establishment Details</b>	
Date of establishment of the college	01-07-1999

<b>University to which the college is affiliated/ or which governs the college (if it is a constituent college)</b>		
State	University name	Document
Maharashtra	The Rashtrasant Tukadoji Maharaj Nagpur University	<a href="#">View Document</a>

<b>Details of UGC recognition</b>		
Under Section	Date	View Document
2f of UGC		
12B of UGC		

<b>Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)</b>				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	30-03-2017	12	Valid for Current Academic Session

<b>Details of autonomy</b>	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	Yes
If yes, has the College applied for availing the autonomous status?	No

<b>Recognitions</b>	
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

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	Anjuman College of Engineering and Technology, Mangalwari Bazaar Road, Sadar,	Urban	5.06	14304

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Electronics And Telecommunication Engineering	48	HSC DIPLOMA	English	120	39
UG	BE,Mechanical Engineering	48	HSC DIPLOMA	English	120	77
UG	BE,Computer Science And Engineering	48	HSC DIPLOMA	English	120	116
UG	BE,Electrical Engineering	48	HSC DIPLOMA	English	60	53
UG	BE,Civil Engineering	48	HSC DIPLOMA	English	60	55
PG	Mtech,Electronics And Telecommunication Engineering	24	B.E. B.TECH	English	18	13
PG	Mtech,Mechanical Engineering	24	B.E. B.TECH	English	18	3
Doctoral (Ph.D)	PhD or DPhil, Mechanical Engineering	72	M.E. M.TECH	English	10	3

### **Position Details of Faculty & Staff in the College**

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	15				30				89			
Recruited	6	1	0	7	10	4	0	14	60	29	0	89
Yet to Recruit	8				16				0			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				24			
Recruited	0	0	0	0	0	0	0	0	20	4	0	24
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				39
Recruited	30	9	0	39
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				51
Recruited	45	6	0	51
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	6	1	0	3	2	0	3	2	0	17
M.Phil.	0	0	0	0	1	0	0	0	0	1
PG	0	0	0	7	1	0	70	28	0	106

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	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

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	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

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	4		5		9

**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
Doctoral (Ph.D)	Male	2	0	0	0	2
	Female	1	0	0	0	1
	Others	0	0	0	0	0
UG	Male	1115	108	0	0	1223
	Female	638	26	0	0	664
	Others	0	0	0	0	0
PG	Male	11	1	0	0	12
	Female	15	2	0	0	17
	Others	0	0	0	0	0

<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Programme</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	154	122	98	72
	Female	164	133	111	99
	Others	0	0	0	0
ST	Male	3	3	0	1
	Female	3	3	2	0
	Others	0	0	0	0
OBC	Male	317	300	298	287
	Female	182	183	181	178
	Others	0	0	0	0
General	Male	693	727	820	848
	Female	361	418	461	460
	Others	0	0	0	0
Others	Male	31	22	26	21
	Female	24	18	20	14
	Others	0	0	0	0
<b>Total</b>		<b>1932</b>	<b>1929</b>	<b>2017</b>	<b>1980</b>



### 3. Extended Profile

#### 3.1 Program

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

Response : 604

Number of self-financed Programs offered by college

Response : 8

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

Response : 3

#### 3.2 Students

Number of students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1932	1929	2017	1980	1634

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
289	220	234	163	174

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

2016-17	2015-16	2014-15	2013-14	2012-13
529	458	409	378	252

Total number of outgoing / final year students

Response : 2026

#### 3.3 Teachers

**Number of teachers year-wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
134	134	129	120	106

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

2016-17	2015-16	2014-15	2013-14	2012-13
120	127	127	118	101

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

2016-17	2015-16	2014-15	2013-14	2012-13
134	134	127	118	106

**Total experience of full-time teachers****Response : 1371****Number of teachers recognized as guides during the last five years****Response : 4****Number of full time teachers worked in the institution during the last 5 years****Response : 238****3.4 Institution****Total number of classrooms and seminar halls****Response : 31****Total Expenditure excluding salary year-wise during the last five years ( INR in Lakhs)**

2016-17	2015-16	2014-15	2013-14	2012-13
269.92739	291.44031	365.49511	257.69801	284.33225

**Number of computers**

**Response : 611**

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

**Response : 0.66636**

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

**Response : 0.13028**

NAAC

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

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

##### Response:

The institute being affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, adheres to the syllabus and Academic Calendar prescribed by the University. The college systematically designs and develops action plans for effective implementation of the curriculum. The Principal of the institution conducts meetings regularly with the Deans and Heads of the Department to chalk out various strategies, for effective implementation of the curriculum and to achieve the objectives of outcome based education.

The Institute's academic calendar is planned and implemented. Teachers are encouraged to plan & impart the curriculum through innovative teaching-learning methods such as presentations, assignments, discussions, workshops, seminars, industrial visit. Faculties are encouraged to attend Faculty development programs organized by the University and the Institution to enhance their knowledge. Lesson plans and course files are maintained by each faculty for their respective courses, which is reviewed regularly by Academic Committee.

Apart from regular classes we have seminars/presentations, guest lectures/workshop hours to enhance the capability of students.

In view to improve performance of students in University examination and to fill the gap between curriculum and industry requirements, institute regularly invites experts from different institutes and industries. These experts conduct lectures, workshops to encourage industry-academia interface among students and faculty members. Industrial visits are arranged for the students to orient them with the industrial process.

The development & deployment of processes and action plan for effective implementation of the curriculum are detailed below:

- The institute's academic calendar is prepared by the Dean Academics along with academic committee in consonance with university academic calendar and approved by the Principal of the institute before commencement of every semester.
- The institute's academic calendar is communicated to every department and departments prepare their respective academic calendar in line with the institute's academic calendar.
- Subjects are allotted to the faculties by Head of the department and the time table coordinator prepares time table for the semester considering the subject allotment and academic calendar.
- Class coordinator and class representative for each classes are finalized to monitor the engagement of the classes and students attendance.
- Each faculty prepares individual course file and lab file, course objectives & outcomes, teaching plan, delivery modes, teaching material and aids, content beyond syllabus, assignment, tutorial, numerical sheets etc.

- Monthly student's attendance report are generated and corrective actions are taken.
- Principal of the institute makes regular follow-ups regarding syllabus coverage reports from each department.
- Internal examination are conducted and analyzed to monitor the performance of the students.
- Each faculty member is assigned a group of students for mentoring. The faculty member interacts regularly with them to learn about their requirements and difficulties, for effective implementation of curriculum.
- The parents are invited to meet the HOD, members of faculty and class in charges to get an update on performance of their ward by organizing parent teacher meet regularly.
- At the end of the semester, All Head of the Departments monitors the delivery of courses, Outcome achievement and suggests corrective measures as and when required.
- The feedback is taken from students on faculties, Library laboratory, administration, curriculum, this feedback is analyzed and communicated to respective heads, faculties for the quality improvement.

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

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

**Response:** 21

#### 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
11	07	00	01	02

File Description	Document
Details of the certificate/Diploma programs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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:** 108.77

#### 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
36	25	25	34	9

File Description	Document
Details of participation of teachers in various bodies	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

<b>1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years</b>	
<b>Response: 0.5</b>	
1.2.1.1 How many new courses are introduced within the last five years	
Response: 3	
File Description	Document
Details of the new courses introduced	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

<b>1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented</b>	
<b>Response: 87.5</b>	
1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.	
Response: 7	
File Description	Document
Name of the programs in which CBCS is implemented	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

<b>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</b>
<b>Response: 21.43</b>

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
928	596	292	127	120

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 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:

Secularism is ingrained in the institution's culture which is evident in the communal harmony among the students from various religion, ethnic, and socio-economic background.

**Gender:** Institution offers co-education;

- The institute promotes gender equality and elimination of unlawful discrimination and harassment by arranging different gender equality programs like TECHSAGA, CELESTIAL etc.
- Anti-ragging affidavit signed by the student and parent / guardian is compulsory, ensuring ragging is totally banned and anyone found guilty of ragging and/or abetting ragging is liable to be punished.
- The Institute also celebrates International Women's Day on 8th March by felicitation of all the lady teaching and non-teaching staff & students.
- Girls are given equal opportunities in all organizing committees and departmental students associations. The institute invites women experts from various fields to address the girl students' and faculty members.

#### Environmental Education:

There is a need to focus on environmental issues which have caused climatic changes. Following initiatives are taken to create a sense of awareness amongst the staff and the students:

- Programs such as tree plantation drive, poster presentation, Swachh Bharat Abhiyaan ,Plastic free drive etc. are being conducted on regular basis.
- Students are being made to visit power station and power plants on a regular basis to get a sense of

power scenario and the methodologies being employed to improve the power generation and utilization strategies.

- Short term training programmes related to sustainable development and environmental awareness are regularly conducted for the staff members. Such as ISTE approved 2 week STTP on “Sustainable and Renewable Energy for Power Generation -Economics, Financing and Environmental concern” have been conducted by the institute.
- Institute regularly organizes a visit to Orange City Water (OCW) works, Nagpur.
- The curriculum includes a Subject “Environmental Studies” which is an effort to inculcate the importance of Environment amongst the students.

### Human Values:

- Institute has Anjuman Peace & Humanity Club where students regularly organizes peace & humanity related activities like distribution of food kits to needy people, blanket distribution etc.
- The institute regularly conducts personality grooming and soft skills development classes through “Titans Learning” to enhance the communication skills in the students.
- Functional English course is also conducted by the institute as prescribed by RTMNU to integrate the learning and understanding of moral and professional ethics amongst the students.
- Various activities like blood donation camp, programs on communal harmony etc. are being conducted under the banner of NSS to instil the human values.
- Campus recruitment and campus placement trainings are regularly conducted for the final year students to increase the employability of students.
- The Institute has well equipped computer and language labs which are used for conduction of online aptitude and business communication tests.
- Institute also celebrate the international yoga day to generate health and fitness awareness towards the staff and students of ACET.
- AASRA-Event conducted by civil department for deaf and dumb students and ACET also conducts cloth distribution for poor and needy people.

File Description	Document
Any Additional Information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response:** 31

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

**Response:** 31



File Description	Document
Details of the value-added courses imparting transferable and life skills	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

<b>1.3.3 Percentage of students undertaking field projects / internships</b>	
<b>Response:</b> 20.7	
1.3.3.1 Number of students undertaking field projects or internships	
Response: 400	
File Description	Document
List of students enrolled	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.4 Feedback System

<p><b>1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise</b></p> <p><b>A. Any 4 of the above</b></p> <p><b>B. Any 3 of the above</b></p> <p><b>C. Any 2 of the above</b></p> <p><b>D. Any 1 of the above</b></p> <p><b>Response:</b> B. Any 3 of the above</p>	
File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

<p><b>1.4.2 Feedback processes of the institution may be classified as follows:</b></p> <p><b>A. Feedback collected, analysed and action taken and feedback available on website</b></p>
--

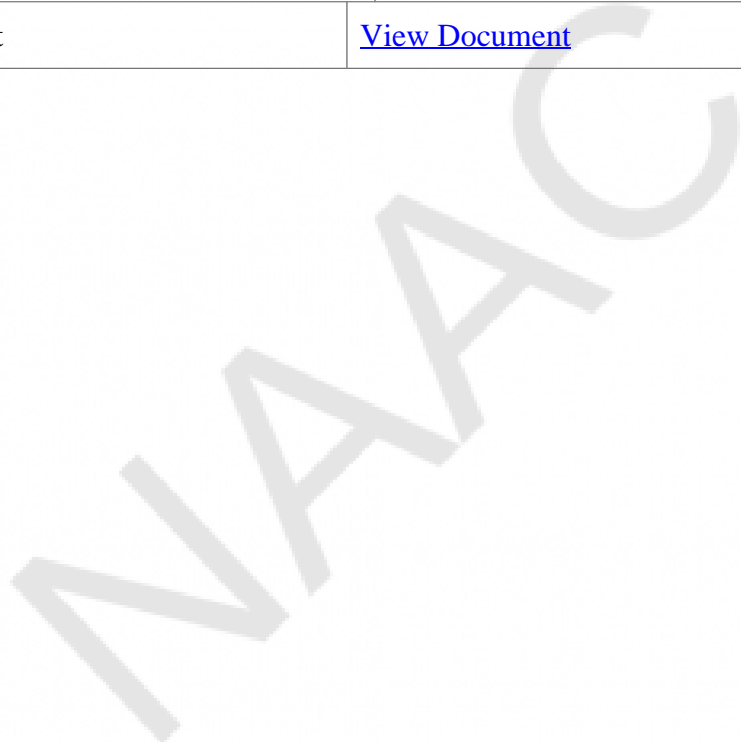
**B. Feedback collected, analysed and action has been taken**

**C. Feedback collected and analysed**

**D. Feedback collected**

**Response:** B. Feedback collected, analysed and action has been taken

File Description	Document
Any additional information	<a href="#">View Document</a>
URL for feedback report	<a href="#">View Document</a>



## 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:** 6.87

##### 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
128	141	161	125	100

File Description	Document
List of students (other states and countries)	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

#### 2.1.2 Average Enrollment percentage (Average of last five years)

**Response:** 79

##### 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
337	369	420	397	464

##### 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
526	526	516	480	480

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

#### 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:** 100

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
289	220	234	163	174

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 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:**

Anjuman College Engineering and Technology always have a culture of encouraging Bright students by providing them necessary guidance, moral support and motivation.

- **The advanced learners and slow learner**

The advanced and slow learners are identified from performance in the internal assessment examinations, University results. Advanced and slow learners are motivated, encouraged, and mentored by the department and the institute. The learning needs of advanced and slow learners are fulfilled as follows:

- Expert lectures on advanced topics are organized.
- Competitions on paper presentations, projects, games etc. are organized to encourage student forums/clubs.
- Encouraged to participate in competitions, workshops and seminars organized by other premier institutes.
- Motivated to undergo industry based trainings and internships.
- Encouraged to take up industry based projects and mini projects.
- Motivated to undergo online trainings and certification.
- Motivated to learn advanced topics from NPTEL videos & notes, Journals and books from DELNET, online Webinars.
- Encouraged to access journals, research papers etc, to help them to understand the latest trends in their Domain of interest.
- Encouraged to take membership of professional bodies like IEEE, ISTE, ISHRE, ICI,CSI, etc.
- Technical training is conducted in the academic session which help them in placements. The training comprises of C, C++ Languages, Operating Systems, JAVA, PHP, Arduino UNO R3,

Ansys, Autocad, STAAD PRO, MATLAB, VHDL. PLC, and SCADA, etc.

- The institute has tie-ups with industries which provides trainings on advanced tools to such advanced and slow learners during vacations.
- The students are encouraged to prepare for competitive examinations like GATE examinations etc.
- The bright students are encouraged by awarding cash prize, certificates, mementos etc.

The college has well defined process of monitoring & assisting weak students. The process is given below in detail

- The Mentor are assigned for various classes. Students deviation from studies is monitored by respective class coordinators
- The faculties have periodic meetings with parents, as both parent and faculties will create positive mindset and will help to overcome inabilities and hurdles faced by weak students.
- Parents are informed about internal assessment and attendance in the parents meeting.
- The institute conducts remedial classes for such slow learners.
- Class-teachers monitor the performance of such students regularly and also convey the same to the respective parents.
- Mentor counsel the slow learners and help them to improve their performance.
- Subject teacher tries to provide special attention to slow learners, to teach and to solve their problems.
- The continuous efforts of faculty and follow up of slow learners increase the result of the student by the end of their program.
- The college college has well defined feedback process. The feedback is taken from students on faculties, Library laboratory, administration this feedback is analyzed and action is taken for the improvement of college.

File Description	Document
Any additional information	<a href="#">View Document</a>

### 2.2.2 Student - Full time teacher ratio

**Response:** 16.1

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 2.2.3 Percentage of differently abled students (Divyangjan) on rolls

**Response:** 0

2.2.3.1 Number of differently abled students on rolls

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.3 Teaching- Learning Process

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

#### Response:

The learning needs of the students are catered through formal and informal feedbacks taken from students and staff members and the activities are planned and executed. The learning is made student-centric by providing supports in following ways:

#### Experiential learning:

- Workshops, group discussion, seminar, quiz, and poster presentation on different technologies are organized for the students.
- Seminar hall and tutorial rooms are made available for students to conduct seminars, guest lectures, workshops, tutorials and other student centric activities.
- Teachers use ICT aids such as LCD projector, audio-visual systems.
- Laboratories are well equipped with modern systems and internet facilities.
- Students are instructed to deliver seminar on a Topic and is evaluated on quality of information.

#### Participative learning and problem solving methodology:

- Students are encouraged to undertake the projects and internship in collaboration with the industries.
- Institute has various technical departmental forums and students are encouraged to organize/participate on various activities under the banner of such forums.
- English Speaking classes and related activities for improving communication skills are carried out.
- The institute conducts technical training in each department. The training includes the topics such as C, C++ Languages, Operating Systems, JAVA, PHP, Arduino UNO R3, Ansys, Autocad, STAAD PRO, MATLAB, VHDL. PLC, and SCADA, etc.
- Laboratories/Workshops are made available to students for carrying out the mini and major project work.
- Industrial visits/tours are arranged for the students.
- WhatsApp groups are created for each section in which teachers' are also a member. In such group students related problem are posted and discussed.
- Workshops on different technologies are organized for the students. In addition students also take part in various technical competitions and festivals. The students of all branches collectively organize a Technical Festival namely "TECH SAGA" with tremendous enthusiasm and excitement. This multidisciplinary event provides a platform to the students to show their talent in various activities such as seminar, paper presentation, model building, design, robotics, Quiz competitions etc, Poster and model presentations are also conducted under EDUTECH. In addition, all the

branches have Student's Chapter of professional associations, like I.S.T.E, I.E.E.E, CSI,ISHRAE, ICI, SAE-INDIA etc. These chapters conduct various activities like overnight coding, C-coding, Mock aptitude test etc. These activities also promote all-round development of the students.

### Problem solving methodologies:

Problem-based learning (PBL) is a student-centric pedagogy in which students learn about the subject through the experience of solving an open-ended problem. The process allows the learners to develop skills used for their future practice.

- Mini and major project are assigned to the student based on the problem solution methodology.
- The groups are formed among the students for the project work, these project groups carries literature survey and identify potential problems in the existing systems. They are required to define the objectives and provide the possible theory and hypothesis to it. Finally they are required to validate the same through their submission.

File Description	Document
Any additional information	<a href="#">View Document</a>

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

**Response:** 95

#### 2.3.2.1 Number of teachers using ICT

Response: 114

File Description	Document
List of teachers (using ICT for teaching)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Provide link for webpage describing the " LMS/ Academic management system"	<a href="#">View Document</a>

### 2.3.3 Ratio of students to mentor for academic and stress related issues

**Response:** 17.25

#### 2.3.3.1 Number of mentors



Response: 112

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.3.4 Innovation and creativity in teaching-learning

#### Response:

To facilitate innovative and creative teaching-learning, the faculty is required to prepared detailed course files which consist of course schedules and the subject teaching notes. The teaching notes are elaborate and are also available in digital form. Modern teaching aids are used for innovative teaching. The management of the institute is making special efforts for the professional development of the faculty by organizes and motivates faculties to attend FDP and STTP/TEQIP on teaching methodology for their development on regular basis. The institute always promotes and appreciates new, efficient, innovative teaching methodologies adopted by the faculties. Some of the methodologies used for students are listed below:

1. **Method of Innovative teaching:** The faculty tries to bring innovation in teaching by use of various methods and multimedia tools such as LCD, NPTEL course materials, ICT tools, YouTube videos for firsthand knowledge, discussion on platforms, learning through projects and teaching through analogy. As a result, the students can also refer to NPTEL lectures which are mostly delivered by NIT/ IIT faculties. Expert lectures for different courses are being delivered through this initiative. In addition, faculty members supplement their class-room teaching and lab courses through video films, animations , simulations and live examples.
2. **Online Courses:-**NPTEL-IIT bombay and Webinars.
3. **Use of software testing and modeling:** Students are made to learn software and their progress is monitored regularly. The Faculty members conduct simulation based practical, wherever possible.
4. **Learning through projects:** Students learn while designing and implementing the project, Faculty members motivate the students to perform research based projects in various technical area of interest.
5. **Learning through model making:** Students make models on departmental based topics.
6. **Participation in Technical Competitions:** Students are motivated to participate in various intercollegiate project contests, national level competitions such as “TECHSAGA”. Students are encouraged and supported to enroll for GATE, UPSC. MPSC and various competitive examinations.
7. **Publications and Patents:** Students are motivated to publish their work in journals and also to present their work in National / International Conferences. Guidance is provided to the students for patents filing.
8. **Mobile Learning:-** Teachers have made WhatsApps Group for each semesters for providing notes and instructions to the students of college.
9. **Website/ICT Learning:-**Departments have made their website, Database Management System(ERP), Wordpress etc to provide the course material, notes lecture video, instruction, notices, event calendar and messages for students



**10. Interactive Learning:** Depending on the contents of the syllabus, the faculty members facilitate methodologies such as group interactions and problem solving, technical case studies. Students prepare power point presentation and related notes on the assigned topics. The Students presents seminars on the given topics in the class under the guidance of the teacher. This practice helps the students to better understand the topics by themselves and improves self-learning ability and teamwork.

File Description	Document
Any additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years	
<b>Response:</b> 95.92	
File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years				
<b>Response:</b> 8.24				
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
17	10	8	7	7

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.4.3 Teaching experience per full time teacher in number of years

**Response:** 11.43

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 0

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

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	0	0	0

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters (scanned or soft copy)	<a href="#">View Document</a>

### 2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

**Response:** 6.11

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
15	8	8	5	3

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

#### Response:

The institute has adopted various reforms corresponding to the PO'S prescribed by the NBA.

#### Institute Reforms:

- The institute conducts CAT-1, CAT-2 and one Sessional exam to assess student's performance.
- The internal assessment criteria is defined by Dean Academics in consultation with Principal & approved by the Principal from time to time.
- Besides assessing through tests the students performance is also checked through teachers assessment scheme where marks are allotted on assignments, attendance, seminar, group discussion, incentives for inter college events, report writing, industrial visit questionnaires and active participation in social activities like Blood donation, tree plantation *Swachh Bharat Abhiyan* etc.
- Our institute has adopted transparent internal assessment schemes in all departments. .
- Due weightage is given to the participation and achievements of students in different activities like certification programs, paper & project competitions, workshops, seminars, industrial training/internships, sports competitions etc.
- Internal marks of practical are awarded on the basis of the attendance, Continuous Assessment, Viva, Team Work, Group Discussion, Journal Quality and its presentation.
- Head of the department monitor internal assessment of the students.
- Any change in the evaluation reforms of the University are incorporated after deliberation and approval by concern authorities and same is circulated among all .
- Head of the department ensures the online submission of internal and external marks of students on University web portal.
- Student section of the institute ensures that all the students relevant issues are conveyed to University as per requirement.

The implementation of the evaluation reforms initiated by the institute is effectively implemented as below:

- At the commencement of each semester, head of the department interact with the students and convey the internal marks evaluation scheme to them.
- At the end of each semester, class teachers display the internal marks scored by the students.

File Description	Document
Any additional information	<a href="#">View Document</a>

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

#### Response:

The improvements made by the institute in ensuring transparency in the internal assessment are as follows:

- The institute has introduced the teachers assessment in the continuous evaluation process.
- Student's performance is continuously evaluated through attendance, CAT-1, CAT-2 & Pre University examinations, practical and project work.
- At the commencement of each semester, the Dean academics & Head of the department interacts with students and convey them about the internal assessment process.
- The internal assessment scheme is also displayed on the notice boards.
- The parents are also made aware of the internal assessment process during parents - teacher meets.
- The assessed answer sheets are shown to the students and doubts are clarified.
- The internal assessment marks are displayed on the notice board for the students information. Discrepancies, if any, are resolved by the concerned subject teacher and class coordinator.
- Teacher-guardians inform the parents about the performance of their ward through, WhatsApps group telephonic conversations, SMS and parent-teacher meets.

Weightages assigned for behavioral aspects, independent learning, communication skills etc. in the internal assessment: -

- In the internal assessment process due weightage is given to punctuality and regularity in attending the classes.
- The students are encouraged to deliver subject seminar which comes under independent learning and due weightage is given to it.
- In the internal assessment process, due weightage is given to the participation and achievements of students in different activities like certification programs, paper & project competitions, workshops, seminars, industrial training/internships, conferences, sports competitions etc.

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

#### Response:

#### At Institute Level:

The internal evaluation is majorly focused on student's attendance and their marks in CAT-I, CAT-II and Pre University examinations.

The mechanism for redressed of grievance with reference to internal evaluation is as follows:

- Class teacher displays the attendance report on notice board at the end of every month and students having any discrepancy gets corrected by approaching concerned class teacher with due permission from head of the department. Students who have taken prior permissions for leaves from head of the department or genuine student with medical reasons are generally considered.
- Faculty members evaluate the answer sheets of CAT-I, CAT-II and Pre University examinations and the evaluated answer sheets are shown to the students. Students grievances related to the evaluation are addressed to the concerned faculty.
- In each department, the final internal assessment marks of the students are displayed. Class teachers and head of the department address the queries of students, if any.

#### At University level:-

- The University level grievances of the students are directed through Administrative office.
- Any grievances related to admit card, roll numbers etc are addressed to University and corrected within time before commencement of the examination.
- The student is entitled to apply for challenge to valuation in theory subjects by applying and paying prescribed fee to the University. The challenge forms of the students are directed to the University through student section.

File Description	Document
Any additional information	<a href="#">View Document</a>

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

##### Response:

Action plan is formulated by Academic committee headed by Dean Academic. This plan consisting of Academic calendar and policies is approved by the Principal in the meeting with Dean Academics and HOD's considering the inputs from the stakeholders.

The academic calendar is prepared in accordance with the university calendar by considering the university examination. This plan is circulated to all the staff members through HODs. If required the department prepares their own academic calendar in accordance with college academic calendar. The calendar is also displayed on the website, so that students can access before commencement of session.

Faculty members prepares their teaching plan as per the syllabus and academic calendar which is uploaded and monitored through ERP software. Observations from the earlier semesters are incorporated in the academic calendar to ensure perfect planning of the institutional/departmental activities.

The academic calendar outlines semester schedules, various academic related activities such as CAT-1, CAT-2 & Pre University exam schedule etc. Teachers prepare subject files related to their subjects before the commencement of the session. Apart from the classroom teaching, other learning methods are adopted such as NPTEL Video lectures, Webinars, Online Spoken Tutorial Certification, Peer learning, Case studies, Mini and Major projects, Industrial Training/Internships, Industrial Visits, Industry based projects, Seminars, Guest Lectures, Workshops, Aptitude, GD/PI, Mock Interview sessions, Technical Competitions etc.

The policies and action which are planned by Academic committee are executed during the entire session. Thus institution adheres to the academic calendar for the conduct of CIE.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 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:**

**Mechanism of Communication of COs and POs**

- COs and POs are displayed on the website of ACET and WhatsApp group by mentor.
- COs and POs are discuss with the students in the beginning of session.
- The COs are also written in attendance register of Theory and Practical.
- The COs of Practical is also written in the practical record of each subject.
- COs are mentioned on question paper and Lab course handouts.
- CO-PO are displayed in individual Laboratories.

File Description	Document
COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

### Response:

Student learning outcomes are assessed through attainment of **Course Outcomes** and **Program outcomes**

### Assessment of Attainment of Course Outcome (CO):-

The CO assessment for each course is done by individual faculties and assessed by the course coordinator at the end of the semester. The assessment process has two following ways.

1. **Direct Tools**:-The direct tools for **Theory** courses are described as below:

- Internal Examination (Theory Internal)

(Theory internal based on CAT-I,CAT-II,PUT,Assignments, MCQ test, Presentation,

Group discussion, Viva, attendance)

- Evaluation Procedure:- Internal assessment is done through conducting CAT I, CAT II, Assignments , PUT(and re-examination if required) to the students
- University Examination (TU-Theory Exam)

The direct tools for **Laboratory** courses are described as below:-

- Internal Examination(PI-Practical internal based on continuous assessment, teacher assessment, attendance and viva)
- University Examination (PU-Practical University Exam based of performance, viva, journal)

1. **Indirect Tool**: - The indirect assessment, the Course Outcome Survey At the end of the semester, the feedback to assess the CO is obtained from the students for each course. Deficiencies/Deviations indicated by the students are communicated to the faculty for necessary corrective actions. At the end of the semester, course exit survey is conducted to assess the satisfaction level of the students towards the attainment of course outcomes.

2. The **attainment level** and target levels of each course are fixed as follows

For session 2016-2017 (80% and 20%):

80% for University examination and 20% for Internal assessment (and the level of attainment varies with individual subject semester wise from 1 to 3)

For session 2015-2016 (100%):-

100% for total University examination and the level of attainment varies with individual subject semester wise from 1 to 3



For session 2014-2015 (100%):-

100% for total University examination and the level of attainment varies with individual subject semester wise from 1 to 3

The results of the direct method and indirect method are combined and the final level of attainment of course outcome is obtained for each subject. Based on the attainment of the Course Outcomes, the accreditation committee suggest suitable modification to be incorporated direct assessment methods and indirect methods

#### **Assessment of Attainment of Program Outcome (PO):-**

The assessment of attainment of POs is effectively carried out. This process is carried out at the end of each semester. The final attainment of POs for a particular batch of students is done at the end of 4 years. It include two components, i) Attainment of COs ii) Exit from graduates during the time of graduation.

Based on the assessment to enhance the attainment of POs, the Course Outcomes are revived, Brainstormed and rephrased focusing on the improvement for the subsequent batches. The revisions are documented and presented in the IQAC (Internal Quality Assurance cell)

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

#### **2.6.3 Average pass percentage of Students**

**Response:** 92.44

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

Response: 489

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

Response: 529

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>

## **2.7 Student Satisfaction Survey**

**2.7.1 Online student satisfaction survey regarding teaching learning process**

**Response:** 3.58



<b>File Description</b>	<b>Document</b>
Database of all currently enrolled students	<a href="#">View Document</a>

NAAC

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

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

**Response:** 0

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

2016-17	2015-16	2014-15	2013-14	2012-13
0.00	0.00	0	0	0

File Description	Document
List of project and grant details	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by non-government	<a href="#">View Document</a>

**3.1.2 Percentage of teachers recognised as research guides at present**

**Response:** 3.33

3.1.2.1 Number of teachers recognised as research guides

Response: 4

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 0

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

File Description	Document
List of research projects and funding details	<a href="#">View Document</a>

## 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 in the process of setting up a full fledged incubation centre. In line to that a committee has been formed which is the process to initiate and promote several activities which have been listed as below.

Every department has initiated a process where in the students are made to select projects which are relevant to the society and caters to various problem faced by the society.

The students are made to carry out an extensive literature survey which helps them to identify the core issue and also help them to define their research objective.

Due to this the student are able to define out their research objective which are able to improve the existing system so as to help the mankind. This has resulted in development of some good projects as discussed below.

The student of department of Electrical Engineering have been able to develop the project like

1. Generation Of Electricity By Running Water
2. Hybrid Power Supply System Using Multifunctional Smart Controller
3. Fuzzy Logic based Short – Term Load Forecasting

The student of department of Electronics & Telecommunication have been able to develop the project like

1. Aerial Robot For Blind Navigation In Populated And Unknown Area
2. Improving Face Annotation Using Bag Of Feature With Classification
3. Fpga Implementation Of Mac Unit Using Vedic Multiplier
4. Design A Low Power High Speed Carry Skip Adder And Its Implementation On Fpga.
5. Time Frequency Feature Extraction Scheme Based On Muap For Classification Of Neuromuscular Disorders Using Emg Signals.

The student of department of Civil Engineering have been able to develop the project like

1. Self Illuminating piezoelectric tiles.
2. Replacement of coarse aggregate with recycled aggregate by using coconut coir and human hair in concrete
3. Design, estimate & technologies of green building
4. Waste Minimization in Infrastructure projects .

The student of department of Mechanical Engineering have been able to develop the project like

- 1.Rear Wheel Suspension Mechanism for Bicycle
- 2.Multi Grain Dehusking Machine
- 3.“Engine Fixture Bracket
- 4.Ergonomic Adjustable Table Top
- 5.PVC Pipe Portable & and Foldable Desert Type Room Cooler.

Which have also been forward for patenting?

Students of this department have also been able to develop an innovative project like.

- 1.Performance evaluation of Leaning Reverse Trick.
- 2.Design, & Fabrication, of Thermo Acoustic Refrigeration System
- 3.Hydrodynamic study of micron size partial under the influence of acoustics filed and mechanical agitation.

Apart for all these the department regularly keeps on conducting technical workshop which focuses on keeping students updated with the recent development in their domain. Over the time that various programmes ,workshop have been conducted on regular basis as listed below.

1. Two Days National Level Tech Fest “Envisage-13”
2. Workshop on “Data Mining and Knowledge Analytics using “WEKA”
3. Workshop on “Information & Cyber Security”
4. Workshop on “Big data & Hadoop”
5. Workshop on “OMNET++”
6. Workshop on “DOS”
7. “C Classes”
8. “Workshop on Latex”
9. “OverNight Coding Event”
10. Workshop on “DBMS”
11. STTP on Windows to Linux
12. Workshop on “GATE”
13. KAIZEN, Smart city Application
14. HIDDEN FRIEND:A DESKTOP NETWORK SURVILLENCE SPYING SYSTEM
15. Unmanned Automatic Petrolling Borad
16. " Security Mobility Tracker"

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

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

**Response: 0**

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
0	0	0	0	0

File Description	Document
List of workshops/seminars during the last 5 years	<a href="#">View Document</a>

### 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	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

Response: No

File Description	Document
List of Awardees and Award details	<a href="#">View Document</a>

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

Response: 0

3.3.3.1 How many Ph.Ds awarded within last five years

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>

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

**Response: 1.01****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
16	11	37	26	30

File Description	Document
List of research papers by title, author, department, name and year of publication	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**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: 1.37****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
21	28	43	57	14

File Description	Document
List books and chapters in edited volumes / books published	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**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:**

Education with a holistic development is concerned with the development of every students physical, emotional, intellectual, artistic, creative and spiritual potentials.

We at ACET believe in seeking by engaging the students in the teaching/learning process and encourage

personal and collective responsibility towards society.

The objective of extension activity at ACET in the neighborhood communities in terms of impact and sensitizing the students to social issue and holistic development, making education more relevant to the present situation to meet the felt needs of the community and the society bringing them face to face with the social issue and problems.

We provide platform and opportunity to students to play their due role expected from the young generation of the country.

We organize regular Blood Donation Camp, Swachha Abhiyan, Safety Riding Camp, Tree Plantation, various health awareness program and NGO visit.

In view of facilitating holistic development in our students, at the outset students Forum in individual department is duly constituted namely, X-STREAM-(ETC), MESA-(ME), KRANS-(CMPS), ACES (CIVIL) & PHONEIX-(ELECTRICAL). These student forum provides the launch pad to the students to showcase their talent through various Technical, Curricular and co-curricular activity. Each department conducts national level technical event under the banner of ISTE Student chapter.

The department organize local industrial visits to acquaint the students with the practical field work pertaining to professional and curriculum aspects, this bridges the gap between the curriculum and the recent technical scenario. Besides annual industrial tours are undertaken regularly. The institute provides platform under which various technical and nontechnical events are undertaken. All the departmental student forum of ACET team up for a grand even, Tech Saga an intercollegiate event under the banner various technical events are undertaken and Edutech a national level event is organized every year for students to showcase their technical knowledge through Posters and Model competition. Such events felicitates all round development of the students and inculcate leadership skills and team spirit.

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

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

**Response: 2**

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
01	01	00	00	00

File Description	Document
Number of awards for extension activities in last 5 years	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 13

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

2016-17	2015-16	2014-15	2013-14	2012-13
3	1	4	2	3

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Number of extension and outreach programs conducted with industry,community etc for the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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:** 17.84

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
990	250	250	250	0



File Description	Document
Report of the event	<a href="#">View Document</a>
Average percentage of students participating in extension activities with Govt. or NGO etc.	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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: 52**

##### 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
28	9	13	2	0

File Description	Document
Number of Collaborative activities for research, faculty etc.	<a href="#">View Document</a>
Copies of collaboration	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response: 0**

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

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	00	00	00

<b>File Description</b>	<b>Document</b>
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View Document</a>
Details of functional MoUs with institutions of national, international importance, other universities etc. during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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## 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:**

The management has a positive approach regarding the development of infrastructure facilities for the benefit of its stakeholders. The facilities were created in accordance with the AICTE, New Delhi, State Government and RTM Nagpur University norms. An ambience most conducive to good academic activities and effective teaching learning processes has been ensured. The important aspect of the institute's infrastructure is that at present, it houses all departments as per AICTE norms. The Institute has furnished Lecture Rooms, Laboratories, Common Rooms, and Independent Computer Labs. The college has a lush green and dust free campus. The details of infrastructure are illustrated in additional information

File Description	Document
Any additional information	<a href="#">View Document</a>

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

**Response:**

**Outdoor Games:** A spacious and well maintained play ground is available for outdoor games like Kabaddi , Badminton, Football, Basket-ball and Cricket in the college campus. The details are illustrated and uploaded in additional information

**Indoor Games:** The College provides facilities for promoting indoor games like Table Tennis, Chess, Carrom etc. College is well equipped with Gymnasium and Auditorium. The details are illustrated and uploaded in additional information

For various sports activities like NSS, NCC and cultural activities one room is available for students, also for communication skill development Language lab is available

**Cultural Activities**

The college has a committee for cultural activities. This committee along with the staff and students of the college organizes an annual cultural fest CELESTIAL. The aim of CELESTIAL is to provide a platform for students to showcase their talents and organizational skills. It comprises of events in the form of competitions, workshops and stage performances such as, Lead the Youth, Treasure Hunt, Art Gallery, Fashion Show to name a few. To broaden the horizons of the students, they are encouraged to participate in several inter-collegiate events.

Under the banner of CELESTIAL, students are encouraged to share their ideas, through a wall magazine and debate competitions on social and cultural issues.

Under the banner of Celestial each department also organises *Techsaga*, under this each department organises the technical event at inter college level.

Sr no	Type of sports	Description	Area (Sq-m)	Year of Establishment
1	Indoor Games	Gymnasium	200	2000
		Auditorium(Chess/Carrom)	324	2003
2	Outdoor Games	Play Ground	3302	1999
		Basket Ball Court	437	2015

File Description	Document
Any additional information	<a href="#">View Document</a>

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

**Response:** 87.1

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

Response: 27

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	<a href="#">View Document</a>
any additional information	<a href="#">View Document</a>

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

**Response:** 2.92

##### 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
0	0	2.4	25.76	11.17

File Description	Document
Details of budget allocation, excluding salary during the last five years	<a href="#">View Document</a>
Audited utilization statements	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

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

#### Response:

Library of Anjuman College of Engineering & Technology, Nagpur was established in the year 1999. The library has well furnished with separate reading room & various technical sections as per AICTE norms.

A well equipped fully computerized(Automated) library which has more than 28932 technical / reference books and subscribes for national and international journals ( printed & on line e-journals) . It is also a subscriber of various magazines and news papers which cater to the needs of the students and teaching staff & keeps them update and well informed. Attitude lab, Reprographic and multimedia section provides students and staff with additional hand on recourses for learning & upgrading themselves. The library is enriched every year with more variable inputs, new books and journals, in additional it has a book bank facility for students, separate reading room is provided which offers a congenial atmosphere of undisturbed study hours.

Library infrastructure provides academic ambience for the faculty and the students. As it is very well said that books, are true friends of the mankind, no institute is full pledged without a well-equipped library.

We have a library having a carpet area of about 530 Sq. Mts. And it is well equipped with 28932 volumes & 4639 titles, 84 National /International Technical Journals & 275 online e- journals (Engineering & Science Direct).

Name of the ILMS Software	SynchronikSoftlib
---------------------------	-------------------

Nature of automation ( fully or partially)	Fully automation
Version	4.2
Year of automation	2006
<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

##### Response:

Library is well equipped with 28932 volumes & 4639 titles, 84 National /International Technical Journals , 275 online e- journals (Engineering & Science Direct), 427 project reports , 584 bonded journals volume , & 300 accompanying material CD's Apart from these, the library also has 09 different magazines, 13 Newspapers. There is a separate reading room for staff and students. It is open access system in nature. Special facilities and assistance is given to scholars.

Name of book /Manuscript	Yes
Name of publisher	Yes
Name of Author	Yes
No of Copies	Yes
Year of Publication	Yes

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 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:** C. Any 2 of the above

<b>File Description</b>	<b>Document</b>
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)****Response:** 13.61

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
10.10	15.34	21.15	13.29	8.16

<b>File Description</b>	<b>Document</b>
Details of annual expenditure for purchase of books and journals during the last five years	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.2.5 Availability of remote access to e-resources of the library****Response:** No

File Description	Document
Details of remote access to e-resources of the library	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 4.2.6 Percentage per day usage of library by teachers and students

**Response:** 1.75

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

Response: 36

File Description	Document
Details of library usage by teachers and students	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 4.3 IT Infrastructure

#### 4.3.1 Institution frequently updates its IT facilities including Wi-Fi

**Response:**

College is updating its IT facilities time to time. In 2012-13 college has 543 computers with P IV and above configuration .Every department has computer labs equipped with internet facility and all the PC have LAN connectivity . In 2014-15 new I 5 computers were purchased including laptop and servers. The computer count increased to 666, some of the old computers were donated to school. In 2016-17 college has 611 latest computers P IV and above having 100 mbps internet speed with wifi facility spread throughout the campus provided by third party reliance Jio wifi services for staff, students and visitors. College has signed year wise AMC with external agency for up keeping and maintenance of computer system and networking .College make use of large number of open source software's like Ubuntu and Fedora. College procured a license for windows operating system and every year college purchase Microsoft campus agreement license and many other license software for conducting projects and practices.

File Description	Document
Any additional information	<a href="#">View Document</a>

#### 4.3.2 Student - Computer ratio



**Response:** 3.16

File Description	Document
Student - Computer ratio	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.3.3 Available bandwidth of internet connection in the Institution (Lease line)**  
**>=50 MBPS**  
**35-50 MBPS**  
**20-35 MBPS**  
**5-20 MBPS**

**Response:** >=50 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)**

**Response:** No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	<a href="#">View Document</a>

#### 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:** 43.54

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
98.41	124.86	180.72	91.96	151.47

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	<a href="#">View Document</a>
Audited statements of accounts.	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 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:

*Policy details of systems and procedures for maintaining and utilizing physical Academic and*

*Support facilities are as follows.*

1. Supervisors & external agency are hired to look after the housekeeping of the complete institute.
2. The computer hardware, software and its networking are taken care by Lab Assistant of Computer Science & Engg., Electronics and Telecommunication Department.
3. Regular maintenance of equipment in all laboratories is carried out by the technical staff at the departmental level while in some cases it is referred to the sales & service department of the equipment manufacturer or a service provider. Concerned laboratory in-charge refers the case to HOD. Then HOD refers to the service provider.
4. Institute has employed technicians for up keeping and maintenance of electrical equipments, drinking water facilities and drainage faculties.
5. Security staff is employed on contract basis to safe guard the whole premises.
6. Annual stock verification is done in all departments and reports of damaged/non functional equipments are forwarded. Necessary repair is undertaken accordingly.
7. Annual maintenance and repairing of infrastructure is carried out under Civil Infrastructure committee.
8. AMC (Annual Maintenance Contract) of college automation to keep students perform academic and other records.
9. Software up gradation of each Departmental Labs is done under AMC.

<b>File Description</b>	<b>Document</b>
Link for Additional Information	<a href="#">View Document</a>

NAAC

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

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

**Response:** 72.2

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
1748	1496	1391	1196	1039

#### File Description

#### Document

Upload self attested letter with the list of students sanctioned scholarships

[View Document](#)

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

[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:** 4.16

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
199	92	67	36	10

#### File Description

#### Document

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

[View Document](#)

Any additional information

[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:** C. Any 5 of the above

File Description	Document
Details of capability enhancement and development schemes	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**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:** 0

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
00	00	00	00	00

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 31.4

#### 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
1079	641	575	339	364

File Description	Document
Details of the students benefited by VET	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 5.2 Student Progression

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

**Response:** 18.58

## 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
152	63	66	68	41

File Description	Document
Self attested list of students placed	<a href="#">View Document</a>
Details of student placement during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 5.86

## 5.2.2.1 Number of outgoing students progressing to higher education

Response: 31

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Details of student progression to higher education	<a href="#">View Document</a>

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

**Response:** 23.06

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

2016-17	2015-16	2014-15	2013-14	2012-13
20	09	10	05	02

## 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
56	41	28	39	22

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Number of students qualifying in state/ national/ international level examinations during the last five years	<a href="#">View Document</a>

### 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:** 22

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
5	4	6	3	4

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:**

Anjuman College of Engineering and Technology has active student council body, which consist of boys and girls representative from each class and section from first year to final year. Every year these representatives are selected from each class either by nomination or by election.



In the month of September every year, the members of student council body elects the Student Secretary. The class representatives of final year are eligible for contesting the post of Students Secretary. The Student Secretary represents the college in university meetings related to sports, cultural activities and other programs organized by the **Rashtrasant Tukadoji Maharaj Nagpur University** .

In each semester, minimum two meetings between Dean Student Activities and Welfare and student Council members take place, where various matters related to Studies, Sports, Cultural activities, participation in various inter collegiate programs, grievances of students, and matters related to Administrative Work are discussed.

There are various student bodies in each department. Some of them are Academic Committee, Sports Committee, Training And Placement, NSS Cell, Student Grievance Cell, Discipline Committee, Industry Institute Interaction Cell, Entrepreneurship Development Cell, etc. All these bodies have minimum three members from each department, one member each from 3rd Sem, 5th Sem and 7th Sem.

Apart from this each department has its own student forum, the **X-TREME forum** of Electronics and Communication department, **KRANS forum** of Computer science department, **PHOENIX forum** of Electrical department, **MESA** forum of Mechanical department, and **ACES** forum of Civil department.

Under this forum the students of each department organize various technical and non technical events. In this way the students learn to manage the events of their department.

The students of Anjuman College of Engineering and Technology had their time conducting and participating in their annual technical events and enjoying them at the same time.

A national level technical event 'TECHSAGA', a Youth Techfest is organized every year by the students. About 1000 students from various engineering colleges, polytechnics and junior colleges participate in the various events like Aptimizer, Game of Thrones, Presento Mania, Quiz Competition, Paradigma, Cricket Electra, Freeze-De 'C', Wall Street, Creative Bridge, Two Wheeler Service Camp, etc.

The college also hosts an annual social gathering "Celestial" where students participate in various cultural events. This is an intra college event and is generally hosted in the month of January or February. The events organized for the students are Art gallery, Fete, Tug of war, Fresher's function, Best Student competition, Bindass Bol, Treasure Hunt, such activities bring out the hidden talent of students apart from academics.

The students of second year and third year are motivated to go for Industrial Visit at the industries situated near to the Nagpur city whereas the students of final year are taken for Industrial tour at any of the relevant industry within our country .

In last five years the student council members also participated in number of social works such as flood relief in Nagpur and neighboring villages, food packet distribution to poor old people, blood donation, tree plantation, etc.

File Description	Document
Any additional information	<a href="#">View Document</a>

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

**Response:** 20

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
21	20	19	21	19

File Description	Document
Report of the event	<a href="#">View Document</a>
Number of sports and cultural activities / competitions organised per year	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 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:**

*Alumni, a bridge between academia and industry ,a strong “Deep Stambha”( lighthouse) to guide our students to be placed in society with all their skill and knowledge. The important stakeholder of our outcome based education system.*

Anjuman College of Engineering and technology is catering the need of society and industry for last 18 years has strong alumni association. Our Alumni have created a bench mark in their organization and we are proud to have feedback and guidance from them to our present students. The relevant feedback from such experienced and well-wishers are implemented in our program schedule beyond curriculum, which is making our students job ready.

The continuous feedback and interaction with alumni is helping in improving the cadre of student for technology & knowledge transfer. They are keen observers & share current status of requirements from market and industry and groom their juniors accordingly.

The current alumni committee is of following committee members lead by Dr.Altaf Badar.

Prof. Rashmi Bade (Civil Engineering)

Prof. Humera Syed (Computer Science Department)

Prof. Shabnam Rukhsar (Electrical Department)

Prof. Tariquzzama (Electronics and Telecommunications)

Prof. Syed Mohiuddin (Mechanical Department)

Meetings are conducted from time to time to distribute responsibilities amongst the members, follow up of the progress is made and plan for further activities are set. The initial plan is to collect contact details of as many students as possible. Collecting the contact details of the Alumni and communicating them was addressed by college Face book page with name “Anjuman college of Engineering and Technology”. Having utilized social media, we could contact and make around 9000 members. The news regarding alumni meet was continuously updated on this page. Groups were also formed on what’s app for each year and branch. A form was created and the link was placed on the alumni tab of the college website.

On 11/03/2017, alumni meet was conducted and the minutes of meetings with action plan for the nominated Alumni Body members are:

- |                         |                           |                               |
|-------------------------|---------------------------|-------------------------------|
| 1.Mr.Shahid Ali         | & 2. Mr.Aamir Rangoonwala | (Civil Engg)                  |
| 1. Mr Mukesh Dandhare   | & 2. Miss. Ruzaiana Khan  | (Computer Science & Engg.)    |
| 1. Mr Manish Gajallewar | & 2. Mr Nawaz Sheikh      | (Electrical Engg.)            |
| 1. Mr Abdul Ghani       | & 2. Mrs.Ruhina Quazi     | (Electronics & Telecom.Engg.) |
| 1. Mr Ejaj Sheikh       | & 2. Mr Shahjad Ahmad     | (Mechanical Engg.)            |

Objectives of alumni meet were:

- To reconnect with alumni.
- To form alumni association body.
- To help the current students in placement and training.
- To help alumni to find their own ventures.
- To improve the image and presence of the institution as a whole in the society.
- To form Industry Institute interaction cell.

The activities of Alumni Association are:

- Interactions with the students for Carrier Guidance and Placement Assistance
- Organization of awareness program on Entrepreneurship and Corporate
- Enlightenment of the students about the Academic Programs.
- Utilize Alumni feedback in a way to benefit current students.

So our college is completely availing all probable resources to make our students up to date and employable.

File Description	Document
Any additional information	<a href="#">View Document</a>

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

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

**Response:** <1 Lakh

File Description	Document
Alumni association audited statements	<a href="#">View Document</a>

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

**Response:** 4

##### 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	0

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>

NVAAC

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

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

**Response:**

**Vision:**

To be a centre of excellence for developing technocrats with moral and social ethics, to face the global challenges for the sustainable development of society.

**Mission:** We at Anjuman College of engineering & technology are committed:

To create conducive academic culture for learning and identifying career goals

To provide quality technical education, research opportunities and imbibe entrepreneurship skills, contributing to the socio-economic growth of the Nation.

To inculcate values and skills that will empower our students, towards development through technology.

Anjuman Hami-E-Islam was established in 1882. It has a number of institutions under its umbrage, one of them being the Anjuman College of Engineering and Technology, Nagpur. The College is recognized by UGC, approved by AICTE and affiliated to RTMNU. The college is managed by eminent personality like Retired Justice A.A. Ginwala, Administrator, Dr. Sheikh Shabbir, Academic Advisor, AHI, and Dr. Sajid Anwar, Principal, ACET. The local management committee is also in place to assist the working of the Institute. The Administrator, Academic Advisor and Principal design the strategic plans for the institute. The strategic plans are aimed at striving to achieve the vision and mission of the institute.

**Organizational Structure of the Institution:**

The administrative system consists of the Deans and Heads of various departments of the institute. The Deans (Academic, Research and Development, Administration, Students Welfare) are responsible for formulating the respective policies, aimed at executing the strategic plans of the institute. H.O.D's are responsible for implementing the various policies, as formulated by the management, as well as running the routine activities of the departments.

The institute has an Administrative Officer who supervises the office staff and store In-charge of the institute. Other office bearers include the Librarian, Workshop superintendent, Training and Placement Officer and Sports/NSS Coordinator.

The Perspective plans for the institute are formulated by the Principal, in consultation with the Administrator, AHI and Academic advisor, AHI along with the Internal Quality Assurance Cell (IQAC). The Perspective plans include three major areas: Academic, Infrastructure development and Publicity of the institute.

Under academics, the areas covered are:-

Accreditation, interaction with other academic institutions and industry, evolving academic evaluation and its improvement, improving faculty publications, etc.

In Infrastructure development, the areas covered are:-

Establishing new laboratories, providing IT tools to stakeholders, developing industry interaction cell, generating seed money for research projects etc.

Under publicity of the institute, the areas covered are:-

Improving institutional activities on social websites, involve industrial personnel in institutional activity, organize workshops, training programs for students and faculties, etc.

A number of decision making bodies have been formulated by the Principal. These include the Anti-ragging committee, Women's cell, College campus development and maintenance committee, Staff promotion committee, Grievance Redressal committee, Alumni committee, Institute-industry interaction cell, Finance Committee, etc. Each committee has 8 to 10 teachers as its members, responsible for formulation and implementation of the respective policies covered under the committee head.

### **6.1.2 The institution practices decentralization and participative management**

#### **Response:**

The strategic policies and perspective plans for the institute are formulated collectively by the Administrator-AHI, Academic Advisor-AHI, Principal - ACET and faculty together to ensure effective implementation. Anjuman College of Engineering and Technology has various committees to implement the strategic policies and perspective plans.

As an example, the Purchase Committee has been formulated to take care of the purchase processes of the institute. The Purchase Committee consists of members from the Teaching faculty, as nominated by the Principal.

The faculty members, in consultation with the Head of the Department, propose the equipments/items to be purchased, as per the Department. Letter of permission for procurement of the specified items, are then sanctioned by the Principal through the Head of the Department. The permission letter is then submitted to the Purchase Committee, which after verification, gives permission for calling of quotations, ratified by the Principal. In case of purchases of small amounts, quotations are procured from local suppliers; whereas in case of large amounts, call for quotations/tenders are advertised in newspapers. At least three different quotations are expected for each purchase. After the quotations are received, the Purchase Committee meets to open the quotations in presence of all members of the Purchase Committee. A comparative statement is then prepared based on the prices quoted by the suppliers. The suppliers are then called for negotiation, in presence of the Principal, ACET, and the Administrator, Anjuman Hami-e-Islam. After the

negotiations, one of the suppliers is finalized, following which the Supply Order is given out by the Purchase Committee, bearing the signature of the Principal. As soon as the supply of the equipment/material is received, the items are verified by the Store-Incharge of ACET and inspected by members of the concerned department. The process for billing, as per the payment methods done in the negotiation, is then initiated by the purchase committee.

## 6.2 Strategy Development and Deployment

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

#### Response:

#### Strategy Development and Deployment

The rules for each and every position/post has been defined properly and stated in the service rules. There are a number of committees in place to deliver on different fronts. These committees are comprised of faculty members, thus making them participants in the decision making process of the Institution.

Example of an Activity successfully implemented based on strategic plan:

#### Parents Teacher Meet

Parents Teacher meet is a very important part of the strategic plan developed by the institution. The Parents Teacher meet involves three major stakeholders in the process: Students, Teachers and Parents.

Parents Teacher Meet is used to communicate to the Parents the performance of their wards. The parents are informed about the qualities of their child and how they can contribute towards their better performance. Parent Teacher Meet is a stage to communicate the activities taking place in the department to the parents. The parents are also guided about helping their child chalk out a clear plan for their future, for example: staff members motivate the parents to pressurize their child to appear for GATE examinations. It is also a tool to obtain a feedback from the parents about the functioning of the respective department.

The IQAC and the Academic committee of the institution have been serious about the conduct of the Parents Teacher Meet in every semester i.e., twice a year by all the departments. This is evident from the minutes of meetings of Academic Committee which are attached herewith.

Proposed dates for Parents Teacher Meet in the Minutes of Meetings of Academic Committee

Sr. No	Session	Date of Meeting of the Academic Committee	Proposed Dates for Parents Teacher Meet
1	2017-18	05/05/2017,08/06/2017	-
2	2016-17	13/12/2016,02/07/2016	04/02/2017,31/08/2016
3	2015-16	12/06/2015,21/12/2015	21/08/2015,05/03/2016



4	2014-15	,22/12/14	21/08/2014,21/02/2015
5	2013-14		

Anjuman College of Engineering and Technology has six departments – Civil Engineering, Computer Science Engineering, Electrical Engineering, Electronics and Telecommunications Engineering, Mechanical Engineering and Science and Humanities (First Year)

The Parents Teacher Meet conducted by each Department with their respective dates is enumerated below:

Department	Session	Date		Remarks
		Odd	Even	
Civil	2017-18	24/08/2017		
	2016-17	3/09/2016	18/03/2017	
	2015-16	27/08/2015	17/03/2016	
	2014-15	21/08/2014	05/03/2015	
	2013-14	31/08/2013	15/03/2014	
Computer Science	2017-18	15/06/2017		
	2016-17	29/12/2016	08/02/2017	
	2015-16	10/09/2015	19/03/2016	
	2014-15		17/03/2015	
	2013-14	21/08/2014		
Electrical	2017-18	24/10/2013	10/03/2014	
	2016-17	07/10/2017		
	2016-17	03/09/2016	18/02/17	
	2015-16	27/08/2015	05/03/2016	
	2014-15	21/08/2014	21/02/2015	
	2013-14	31/08/2013	01/03/2014	

Electronics and Telecommunications	2017-18	05/08/2017	04/09/2017	
	2016-17	31/08/2016	04/02/2017	
	2015-16	21/08/2015	05/03/2016	
	2014-15	21/08/2014	21/02/2015	
	2013-14			
Mechanical	2017-18	23/08/2017	13/12/2017	
	2016-17	31/08/2016	18/02/17	
	2015-16	19/09/2015	20/02/16	
	2014-15	21/08/2014	18/02/2015	
	2013-14	25/09/2013	20/02/2014	

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

#### Response:

The Institute is governed by Anjuman Hami-e-Islam, with Retd. Justice Hon'ble A. A. Ginwala as its sole Administrator. A governing body is in place to advise the Administrator. The Principal is the head of the Institute, working under the ambit of the governing trust. Local Management Committee and IQAC are formed to devise plans and guidelines for overall development of the institute. Various Deans are in office for Administration, Research and Development, Academics and Students Activity. The Principal and Deans guide and direct the Heads of the Department to implement the policies of the Institute. Each department has competent faculties and non teaching staff members to implement the suggested guidelines and policies. The Institute also has a full-fledged Library section, consisting of the Librarian, Assistant Librarian, Library Assistant and other supporting staff. The training and placement department has a number of cells formed under its umbrella to achieve the mission of the Institute. The workshop superintendent and sports / NSS coordinator are considered as part of respective departments. Different committees are formed to perform specific required functions like purchase, maintenance, etc. The administrative officer works with the accounts section, office staff, store incharge and different committees to complete the official work of the Institute. The Dean (Students) is responsible for the proper functioning of Students council and Discipline committee

A number of bodies have been formed for effective functioning of the Institute. These include:

1. Academic Monitoring Committee: Headed by the Dean (Academics), this committee is responsible for formulating policies and overseeing the academic affairs of the Institute.
2. Discipline Committee: This committee is responsible for student discipline, uniforms, timings, etc.
3. Women's Cell: The Women's Cell is responsible for confirming that the rights of women are upheld and their grievances, if any, are addressed.
4. Anti-Ragging Cell: This cell is responsible for ensuring that there is no ragging of fresher students inside or outside the campus of the Institute.
5. Alumni Committee: The alumni committee is responsible for conducting alumni activities, including an annual alumni meet.
6. Website updation committee: This committee is entrusted with the task of regular updation of the Institute website so as to keep it up-to-date.
7. College Magazine Committee: This committee is entrusted the task of bringing out the annual magazine 'Celestial' of the Institute.
8. Exam Committee: This committee is entrusted the task of carrying out the University Examination in the Institute.
9. Purchase Committee: This committee is responsible for overseeing the purchase of equipments and other work orders of the Institute so that the purchase procedure is efficient and without anomalies.

Service rules, recruitment and promotional policies of the Institute are available.

A Grievance Committee is available in the Institute. The committee is headed by the Principal, and includes HoDs, Teaching staff representatives, Non-teaching staff representatives as well as students. Grievances of staff and students, if any, can be addressed to the committee.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 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:** C. Any 3 of the above

File Description	Document
ERP Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	<a href="#">View Document</a>

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

Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan is achieved through various committees. Anjuman College of Engineering and Technology organizes various Academic, Non academic, Co-curricular program through various committees and cells. These committees and cells consist of members from the teaching staff and non teaching staff and student representatives. They together plan, organize, monitor and execute the planned activity. The action plan is provided by them for all the operation at the ground level. The Principal of the institution is responsible for controlling and monitoring the plans of various committees and cells. It is also the responsibility of Internal Quality Assurance Cell (IQAC) to provide guidance and assistance to various committees. IQAC integrates the action plan of all the committees and cells into Institutional strategic plans.

In the section below, as example for an activity successfully implemented by the Alumni Committee is presented:

**ALUMNI COMMITTEE:**

The current alumni committee was formed in January 2017 with the following committee members lead by Dr.Altaf Badar.

- 1.Prof. Rashmi Bade
- 2.Prof. Humera Syed
- 3.Prof. Shabnam Rukhsar
- 4.Prof. Tariquzzama
- 5.Prof. Syed Mohiuddin

Meetings were conducted from time to time to distribute responsibilities amongst the members, follow up the progress made and plan for further activities and targets.

The initial plan was to collect contact details of as many students as possible. After collecting the contact details of students they were contacted, but in this activity a new problem arose that many of the student had changed their mobile no. Also getting contact details of students from initial batches was a very big

task. The alumni committee then took the help of social media.

Our college has a FaceBook page with name Anjuman college of Engineering and Technology having around 9000 members. The news regarding alumni meet was continuously updated on this page. Groups were formed on Whatsapp for each year and branch. This process helped the committee to get more contacts. A form was created and the link was placed on the alumni tab of the college website.

On 11/03/2017 the day alumni meet was conducted.

The following members were nominated for Alumni Body.

- Civil : Shahid Ali & Aamir Rangoonwala
- Computer science : Mukesh Dandhare & Ruzaiana Khan
- Electrical : Manish Gajallewar & Nawaz Sheikh
- Electronics and Telecom. : Abdul Ghani & Ruhina Quazi
- Mechanical : Ejaj Sheikh & Shahjad Ahmad

Objectives of alumni meet were:

- reconnect with alumni.
- form alumni association body.
- involve the alumni in job search process.
- help the current students in placement and training.
- provide any other assistance to the alumni.
- help alumni to find their own ventures.
- improve the image and presence of the institution as a whole in the society.
- form Industry Institute interaction cell.

The activities of Alumni Association are:

- Interactions with students for Carrier Guidance and Placement Assistance
- Organizing awareness program on Entrepreneurship and Corporate governance.
- Enlightening students about Academic Programs.
  - Utilize Alumni feedback to benefit current students.
  - Share professional experience of alumni.

## 6.3 Faculty Empowerment Strategies

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

**Response:**

The effective measures for teaching and non-teaching staff are:

1. Medi-claim Insurance for employees
2. Employees Provident Fund
3. Personal Accidental Policy.
4. Gratuity
5. Provision of First Aid Box / Sick Room.
6. Provision of Maternity Leave.
7. Special leave provision for faculty members pursuing higher qualification like Ph.D.
8. Concession in fees to Wards of employees.
9. Provision of CCTV camera for security of the employees as well as students.

**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:** 41.23

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
100	112	44	00	00

**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: 1.4**

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
02	03	01	01	00

**File Description****Document**

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

[View Document](#)

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

**Response: 23.89**

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
62	28	38	7	10

**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:**

Performance Appraisal of the staff is done at the end of each academic year. For this purpose, two self appraisal forms are filled up by the staff members themselves. One self appraisal form is based on the Performance Based Self Appraisal Report, as provided by the RTMNU. The other form is provided by the institute itself, based on the criteria it feels need to be covered.

Aided by these appraisal reports, performance appraisal of the faculty is done on the basis of the following major parameters:

- Feedback of students on the teaching performance of the faculty members. Feedback given by the students for each staff member is analyzed. Shortcomings or lacunae, if any, are conveyed to the staff members for self-improvement.
- Research work done by the staff members, as quantified by their research publications in journals and conferences.
- Apart from academic performance, the contributions of the faculty members in administrative and developmental activities of the college are also taken into account.
- Faculty dedication, attitude and commitment towards their work are also considered while appraising them.

File Description	Document
Any additional information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1 Institution conducts internal and external financial audits regularly

#### Response:

Internal audit is conducted by an internal audit committee, which is appointed by the Principal. After thorough verification, the internal audit committee submits its appraisals and recommendations to the Principal for follow up action. The college accounts are also audited by a qualified external chartered accountant. There have been no major audit objections as advised by the chartered accountant. The Fee Regulatory Authority (FRA) increases or decreases the fees of the college after conducting a thorough audit.

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

**Response:** 55.07

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
33.73725	8.98975	7.76268	3.42883	1.15000



File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>

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

#### Response:

The Institute has a well defined mechanism to monitor effective and efficient use of available resources and fund mobilization. The college obtains proposals from concerned respective Departments in which the teaching and non-teaching members are involved. The Purchase and Stores Committee of the college, headed by senior faculty members, collect all the purchase proposals with quotations and comparative statements. The committee prepares the consolidated proposal and submits it to the Principal for approval. The Principal in turn allocates budget for the proposals.

Purchases are made with the recommendations of duly constituted Purchase Committee. The amount sanctioned for the proposal withdrawn from the banks follows a systematic mechanism of obtaining the signatures of the account officer, Purchase Committee, Principal and Administrator. The payment is made through cheque after submission of completion certificate submitted by the departmental committee to purchase committee. Committees are annually formed which monitors the stock verification process at the end of each academic year. Further the financial resources are monitored by Accounts Officer, Principal and Management.

Fees income is the major source of funding to the college. In this regard the income & expenditure amount statements for the preceding five years have been enclosed. The college currently has no financial deficit.

Annual Income from fee and other sources (in Rs)

Particulars / Year	2016-2017	2015-2016	2014-2015	2013-2014	2012-2013
Total income (Fees & other sources)	135,787,786/-	137,383,878/-	119,866,116/-	113,142,851/-	80,747,218/-
Total Expenses (Academic Expenses, Administrative Expenses)	130,564,820/-	128,596,060/-	124,862,923/-	102,705,713/-	87,321,166/-

## 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:

#### 6.5.1. Internal Quality Assurance Cell (IQAC)

Our institute decided to make Internal Quality Assurance Cell (IQAC) for quality improvement of the Institute. After discussion with the Principal, Head of the Departments & Senior Staff members of our institute, it was decided to establish the IQAC to enhance Internal Quality in terms of academic and administrative performance of the institution. Hence the IQAC was established on dated 20th Jan 2017 with Dr. Sajid Anwar, Principal, ACET as the Chairperson and Dr. Irfan Ahmed as the Coordinator.

In the first meeting of IQAC held on 6th March 2017, the IQAC decided to take some initiatives for the improvement of institutional quality. The following suggestions were presented by the committee members:

- 1) Department wise student Technical training should be conducted to improve technical knowledge of the students. Emphasis to be given on topics currently relevant to the industry but not adequately covered in the syllabus.
- 2) In view of the impending NBA Accreditation of the Institute, it had been suggested to conduct CAT1 & CAT2 + Sessional Exam as per NBA norms. Only one Class Test and Sessional Exam were earlier being conducted.

The Institute decided to accept these suggestions, and they have been implemented from the academic year 2017-2018. Earlier the focus was on Non-Technical Training, such as improvement in spoken English, Personality Improvement, etc. The focus now has been shifted to Technical training on topics relevant to the industry, as decided by the Technical Training Head, Mr. Khwaja Ramizuddin. An MoU for technical training had already been signed with Swaranjal Selokar Information Technology Pvt. Ltd., Nagpur and Astral Informatics Pvt. Ltd, Nagpur for providing technical training to the students. It was decided that the topics to be included in the training be verified by the IQAC. The process is continuous, and the topics on which training is being provided will be continuously reviewed and upgraded.

The internal examination pattern of the Institute has been modified from the academic year 2017-18. Earlier, one Class Test in the middle of the semester and Sessional Exam at the end of the semester used to be conducted. After suggestions by the IQAC, two Continuous Assessment Tests (CAT-I and CAT-II) during the course of the semester, followed by a Sessional exam at the end of the semester, are now being followed. It is expected that this internal examination scheme will further enhance the quality of the students.

<b>File Description</b>	<b>Document</b>
Link for Additional Information	<a href="#">View Document</a>

### 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 following examples illustrate the processes of Institutional reviews and implementation of teaching learning reforms as facilitated by the IQAC.

#### 1. Syllabus coverage report:

At the end of every month, the Institute collects the details of syllabus covered by the subject teacher of their respective subject. If any subject syllabus is found to be lagging as per the schedule, then the Principal, through the respective departmental HODs, directs them to cover their syllabus by taking extra lectures.

#### 2. Feedback analysis:

A student feedback is taken in the middle of the semester for improvement of teaching quality. The feedback is intimated to the respective subject teachers for improvement in the quality of teaching learning process.

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

Response: 0.6

#### 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
3	0	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	<a href="#">View Document</a>
IQAC link	<a href="#">View Document</a>

#### 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:** D. Any 1 of the above

File Description	Document
e-copies of the accreditations and certifications	<a href="#">View Document</a>
Details of Quality assurance initiatives of the institution	<a href="#">View Document</a>

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

**Response:**

Incremental improvements made on account of quality enhancement initiatives, as suggested by the IQAC since its inception, are as follows:

1. Department-wise Internal Quality Assurance Cells have been formed, with the Head of the Department as its Chairperson. The Departmental IQAC is assigned the responsibility of performing the academic administrative audit of the respective Department. The audit report is submitted to the Institute IQAC.
2. To check malpractices in research publications, a code of ethics has been formulated and published

on the Institute website.

3. The library working hours have been increased. Faculty members of the Institute are advised to visit the library regularly.
4. Professional Societies/Chapters have been made mandatory for each Department. Departments not having any affiliation with any Professional Society/Chapter are advised to do so at the earliest.
5. Internal examination pattern of the Institute has been improved. The scheme of having two Continuous Assessment Tests (CAT-I and CAT-II) during the course of the semester, followed by a Sessional exam at the end of the semester, has now been implemented.
6. The focus of additional training provided to the students has been shifted from non-technical to technical, specifically to topics relevant to the Industry.

NAAC

## 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:** 0

##### 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
00	00	00	00	00

File Description	Document
Report of the event	<a href="#">View Document</a>
List of gender equity promotion programs organized by the institution	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 7.1.2

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

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

**Response:**

##### 1. SAFETY AND SECURITY

The institute offers equality in the policies. There is no gender discrimination in policies for all stakeholders. In our institution there is no bias what so ever based on gender in any activities of the Institution. Equal opportunities is provided for all eligible individuals to participate in any of the academic / extracurricular, co-curricular activities.

While recruitment of Staff both Teaching as well as Supporting, there is no bias or reservation based on gender. During recruitment process, equal opportunities are provided for all eligible candidates. Also, ample steps are taken to recruit candidates from socially /economically weaker sections and also minorities. This in itself brings in a large uniformity in the Institute's approach towards the gender equality & various sectors of the society.

The institute provides equal opportunity for all to participate in various activities and processes which include co-curricular and extracurricular activities, sports, deputation to the courses and higher studies, appointments, committees, placements etc. without any discrimination (gender, caste and religion).

The practical batches consists of girls and boys students together. The institute has Women Grievance Cell to deal with issues related to women. The institute celebrates Women's Day and organizes various activities and sports for girl students.

Security Guards are available in the college premises and CCTV Cameras are provided to ensure safety of students.

## 2. COUNSELLING:

For academic counselling separate slots are available in the Time Table. Professional counseling of students done through Teacher Guardian scheme. Various facilities are available for women like Women's Grievance Cell, activities for female student empowerment and separate common room for girls. No distinction is made between men and women for admission to various programs offered by the Institute.

## 3. COMMON ROOM

1. Separate rest rooms are present for girls in college building with in house wash rooms.
2. Proper cleanliness is maintained with recreational facilities for the students.
3. Students can relax when they feel sick.
4. It is a place where student can study, relax and feel comfortable.
5. The common room is maintained by an attendant for any assistance.

File Description	Document
Any additional information	<a href="#">View Document</a>

### 7.1.3 Alternate Energy initiatives such as:

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

**Response:** 80

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

Response: 141116.8

7.1.3.2 Total annual power requirement (in KWH)

Response: 176396

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 7.1.4 Percentage of annual lighting power requirements met through LED bulbs

**Response:** 2.14

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

Response: 1209.6

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 56448

File Description	Document
Details of lighting power requirements met through LED bulbs	<a href="#">View Document</a>

#### 7.1.5 Waste Management steps including:

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

**Response:**

#### WASTE MANAGEMENT

##### 1) SOLID WASTE MANAGEMENT:

The mechanism of waste management is broadly classified into solid waste management and liquid waste management. The solid waste management deals with the process of solid waste generation in the campus. The process starts with the collection of waste, transportation of waste, treatment of waste and later disposal of it. It has been noticed that the major composition of solid waste in the campus is biodegradable waste like paper, cardboard, leftover food, dry leaves, shrubs and many other wastes from garden while less percentage of non biodegradable waste like plastic, bulky waste, e-waste, etc. A group of cleaning staff daily collect all the waste in the premises from various dust bins after sweeping, mopping and cleaning in their black polyethylene bags and sort the dry waste and wet waste. After this processing the waste is transported to nearby transfer station where it is delivered to the city's waste collecting machinery and thus this makes the premises clean every day.

##### 2) LIQUID WASTE MANAGEMENT:



The major sources of liquid waste in the institute are from the washroom, common room and laboratories. The liquid waste comprises of human waste, waste from sinks of laboratories and common rooms. The collection of mentioned liquid waste is collected by two pipes system installed in the institute. These two pipes are further attached to the sewer lines of the areas which are laid by the municipal authorities. In this pipe system, one pipe is used to collect the waste from toilets which urine and human excreta while other pipe carry sullage. The pipes are attached with anti syphonage pipes so that the chances of leakages and overflowing of pipes are avoided. All these pipes are provided with the vent pipe so that the foul gases can be removed easily form the areas of disposal of human waste.

### 3) E-WASTE MANAGEMENT:

- Electronic and computer accessories which are declared “Obsolete” are collected at one place and sold.
- e-Waste management system is in existence
- Old spare parts are reused
- Generated E Waste(C.D.’s, C.P.U.’s Monitors, Cables, Cartridges, Hard Disks etc) is collected andStored Careffully.
- BuyBack Policy is adopted by institute to get rid of generated E-Waste

File Description	Document
Any additional information	<a href="#">View Document</a>

#### 7.1.6 Rain water harvesting structures and utilization in the campus

##### Response:

##### RAIN WATER HARVESTING

The Rain water harvesting is adopted by the Institute. This practice effectively conserves the rain water thus avoids the wastage of it.

- The Water gets collected from rooftop area of Administrative building of Anjuman college of Engineering.
- The Total catchment area has been determined as 1759 Sq.mt.
- The Volume of tank which stores the harvested water is directly proportional to the volume of water harvested.
- Rationing Method for distributing the harvested rain water has been chosen.
- The Total water serve to the garden surface is 200 lit/day as the water demand of the bushes.
- We have our total Catchment area as 1759 sq.mt and average annual rainfall at Nagpur is near to about 1.09m<sup>3</sup> /year
- So the Total Volume of surface runoff suppose to be collected is 1920m<sup>3</sup> /year.
- Taking the runoff coefficient as 0.80, the total amount of water collected in one year from the administrative building is about 1540 m<sup>3</sup> /year.
- Therefore the total amount of water we used in 8 month is 1540/8= 200 m<sup>2</sup> /year. (As the 4 months

are rainy season)

The Total water thus collected is then use for the purposes of gardening and also to recharge the ground water table.

### 7.1.7 Green Practices

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

#### Response:

The institute adopts various practices which results in the conservation of energy, increase in green cover. The institute satisfies green practices by following initiatives.

- Students and staff use bicycles as the mode of transportation to conserve energy and to preserve carbon neutrality.
- Students & staff use public transport buses as mode of transportation to contribute towards green practices and protection of environment.
- Students and staff who live near to college premises use pedestrian friendly roads to attend college.
- Well ventilated class room and laboratories, which reduces the requirement of tube light and bulb. It saves a considerable amount of electric power.
- Students are instructed to switch off all electric appliances (ceiling fan, light source etc) when not in use.
- Creating awareness by conducting various academic project related to environment.
- An ERP Software "Synchronik" is in existence which reduces the need of paper.
- Tree Plantation by guests, Faculty members and students during various activities.

Above practices resulted in the awareness about various issues of environment. These activities contribute towards conservation of environment. In this way institute tried to satisfy the need of Green practices.

**TABLE: 7.1. DETAILS OF PLANTATION IN A.C.E.T**

Sr. No.	Name of plant	Quantity
1.	Royal Palm tree	10
2	Erika palm tree	10
3	Black fycus	25
4	Golden fycus	25
5	Vidya	20
6	Junipers	15
7	Tikulnac yellow	20

8	Tikoma red	04
9	Ashoka	25
10	Badam	04
11	Gulmohar	04
12	Neem	04
13	Gujan villa	20
14	Croton	20
15	Cycus	05
16	Lily	20
17	Color fycus	02
18	Cactus	08
19	Cactus flower	02
20	Exaura & Exaura large	50
21	Rose flower	08
22	Kaner	50
23	Champa	10
24	Champa chameli	05
25	Wild/mants tree	10

File Description	Document
Any additional information	<a href="#">View Document</a>

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

**Response:** 0.74

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
2.6	2.9	2.16	1.64	1.44

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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:** B. At least 6 of the above

File Description	Document
Resources available in the institution for Divyangjan	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 8

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
03	02	02	01	00

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 7.1.11 Number of initiatives taken to engage with and contribute to local community during the last

**five years (Not addressed elsewhere)**

**Response: 7**

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
02	01	01	01	02

File Description	Document
Report of the event	<a href="#">View Document</a>
Details of initiatives taken to engage with local community during the last five years	<a href="#">View Document</a>

**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**

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	<a href="#">View Document</a>

**7.1.13 Display of core values in the institution and on its website**

**Response: Yes**

File Description	Document
Any additional information	<a href="#">View Document</a>
Provide URL of website that displays core values	<a href="#">View Document</a>

**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	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** No

File Description	Document
Any additional information	<a href="#">View Document</a>
Provide link to Courses on Human Values and professional ethics on Institutional website	<a href="#">View Document</a>

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

**Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>
Provide URL of supporting documents to prove institution functions as per professional code	<a href="#">View Document</a>

#### 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:** 16

File Description	Document
List of activities conducted for promotion of universal values	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:**

Every year institute plans & organizes national festivals like Independence Day, Republic Day, International Yoga Day and many more. Institute adopts and tries to inculcate national values among all the stakeholders including Principal, Teaching Staff, Non-Teaching Staff, Students & Management. Institute also celebrates birth/death anniversaries of great Indian personalities like Gandhi Jayanti in the loving memory of Shri Mahatma Gandhi and celebrates it by arranging Swacchata Abhiyaans in and around college premises. Institute promotes this Clean Initiative culture to the fullest and inculcates clean habits in our students as well. Institute also celebrates Teachers day in the loving memory of Dr. Sarvapalli Radhakrishnan every year. Institute also celebrates birth anniversaries of Sadar Vallabhai Patel & Maulana Abul Kalam Azad. Institute takes lot of pride in arranging activities in memory of our national heroes. Institute organaized "YAAD KARO QURBANI" event to celebrate India's 70 years of Independence. Institute also celebrates *Engineers Day* on the birth anniversary of M. Visvesvaraya every year.

File Description	Document
Any additional information	<a href="#">View Document</a>

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

##### **Response:**

The institute maintains complete transparency in its financial functions. Institute have various financial functional heads for which specific budget is allotted for each functional head. It also reflects in Audit report of Institute. These functional head includes budget related to Training & Placement Cell, Industrial Visits, Infrasructure development, Workshops, Green Expenditures, Software Liscensing etc. Principal and management is committed to provide best quality education for our students for which Institute also sanctions funds to promote various projects made by our students . Various administrative functions are also kept transparent like an institute purchase committee is in existence which looks for adminintartive development of institute. As far as academic policies are concerned, instutute has academic monitoring committee which consists of immensely experienced faculties. This committee looks after initiation and completion of academic sessions, formation of academic calander, Staff feedback from students, Conduction of Mid Term & End term exams etc.

File Description	Document
Any additional information	<a href="#">View Document</a>

## **7.2 Best Practices**

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

##### **Response:**

## Best Practice 1

### 1. Title of the Practice : To Achieve Excellence in Academics & Innovating Practices

### 2. Objectives of the Practice:

Objective of the practice are listed below:-

- To improve teaching quality of faculty members
- To enhance results and widen practical's knowledge

### 3. The Context

In current scenario value based education in engineering colleges is required. In order to meet challenges defining realistic PEOs, POs, COs and devising methodologies for filling curricular gaps. The status and standard of the college is virtually linked and depends heavily on regularity in engagement of classes, attendance in classes and syllabus coverage are essential parts of T-L process. Guidance by experts from reputed educational institutions and industries further strengthens confidence and knowledge of students. Presently innovative methods, effective use of E-learning resources, preparation of subject PPTs and videos lectures, etc. are some of the practices needed to enhance teaching capabilities of faculty members. Identifying training needs of faculty and arranging FDPs or permitting them to attend similar programmes is strongly desired to upgrade education standards.

### 4. The Practice

The process begins with drafting and finalization of academic calendar incorporating suggestions by the heads of department. The academic calendar is drafted considering time frame required for actual teaching, examinations, co-curricular and extracurricular activities, preparation leaves etc. The college has brought out extensive reforms in the T-L Process. The college has an Academic Monitoring Committee consisting of immensely experienced faculties who have given right directions to upgrade overall standard of the college.

The reforms brought out include:- More focus is given on teaching subjects wherein the services of good teachers are utilized by teaching some critical topics. Identification of weak students and motivating and guiding them for effective learning has given fruitful results. The evaluation process consists of continuous assessment test (CAT) and Pre-University Test (PUT) . The syllabus of a course is divided into 6 units as directed by university.

For all laboratory courses a system of continuous assessment is adopted. Efforts are made to bridge the curricular gaps through guest lectures, industrial visits, value added courses and assignments.

Classroom teaching is treated as most important component by the college. Teachers are expected to prepare and organize their lectures sticking to their teaching plans. Numbers of classes as stipulated in the teaching plan are engaged by the faculty. In case of emergencies they are required to engage extra classes also. After the class the faculty member is require to enter attendance and topic covered in the blue-book as well as in ERP software.



## 5. Evidence of Success

Faculty development and reforms in teaching-learning processes have resulted in improving overall standard of the college. The engagement of classes and attendance is closely monitored by HoD's. This data is critically reviewed every month during the meeting of HoD's chaired by the Principal. During last few years, the college has given more emphasis on mentoring. We have a regular system of Mentors for students.

### 1. Rise in University Results:

This practice helps students to understand subject in better way. Improvement of technical knowledge of students helps in the achievement of better results in internal and University examination. This is reflected in our University results.

Department wise University results in last five years is shown in tables below:

#### 1. Department of Science & Humanities:

Academic Year	I-Semester	II-Semester
2012-13	45.72 %	62.71%
2013-14	45.32	56.70
2014-15	49.50	48.97
2015-16	39.77	49.85
2016-17	72.00	67.67

#### 2. Department of Electronics & Telecommunication

Academic Year	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem
2012-13	44%	28%	77%	79%	98%	95.45%
2013-14	40%	58.62%	74%	76.61%	88%	92.71%
2014-15	39.42%	45%	59.68%	72%	93.10%	90.08%
2015-16	29.41%	38.98%	58.33%	68.33%	84.07%	92.04%
2016-17	40.79%	45.83%	66.13%	66.12%	84.21%	90.35%

#### 3. Department of Computer Science & Engineering

Academic Year	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem
2012-13	39.82%	39.28%	70.31%	39.2%	81.67%	96.72%

2013-14	56.95%	67.78%	83.5%	68.42%	79.82%	93.26%
2014-15	68.41%	75.59%	80.17%	83.49%	78.57%	91.3%
2015-16	55.72%	79.67%	83.2%	86.5%	93.33%	98.09%
2016-17	43.25%	67.76%	83.18%	81.57%	90.98%	97.54%

#### 4. Department of Mechanical Engineering

Academic Year	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem
2012-13	67.56%	75.34%	78.37%	78.37%	82.85%	92.75%
2013-14	60.40%	54.36%	76.25%	78.75%	86.30%	94.52%
2014-15	51.35%	39.86%	69.91%	66.39%	82.19%	84.33%
2015-16	48.29%	60.00%	54.48%	66.66%	86.73%	96.11%
2016-17	47.65%	51.36%	68.61%	71.01%	82.73%	91.36%

#### 5. Department of Electrical Engineering

Academic Year	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem
2012-13	57.75%	72.46%	75%	70.00%	44.26%	73.77%
2013-14	37.33%	39.19%	62 %	60.86%	44.26%	88.52%
2014-15	48.57%	40.29%	64.15%	55.93%	44.61%	70%
2015-16	41.09%	63.88%	66.15%	73.33%	74.52%	89.58%
2016-17	34.21%	40.54%	65.33%	69.86%	54.93%	87.32%

#### 6. Department of Civil Engineering

Academic Year	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem
2012-13	69.44%	76.38%	78.72%	71.73%	-	-
2013-14	50%	49.36%	79.71%	59.15%	93.02%	95.35%
2014-15	67.56%	70.66%	50.79%	47.61%	94.28%	92.75%
2015-16	50.68%	72.97%	65.33%	85.91%	84.21%	91.38%
2016-17	58.44%	54.66%	69.11%	69.11%	85.92%	92.96%

#### 7. M-Tech (Mechanical Engineering)

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Academic Year	I Sem	II Sem	III Sem	IV Sem
2014-15	88.88%	100%	----	---
2015-16	93.75%	100%	100%	100%
2016-17	100%	100%	100%	Awaited

#### 8. M-Tech (Electronics & Telecommunications Engineering)

Academic Year	I Sem	II Sem	III Sem	IV Sem
2014-15	83.33%	80%	---	---
2015-16	74.47%	50%	92.86%	100%
2016-17	100%	85.71%	100%	Awaited

To upgrade the students with technical knowledge & outside world special programs are organized such as Techsaga, the national level techfest that college is organizing from several years. Feedback has proven to be a major source for improvement of the process. Students Feedback is taken at End of Session to overcome lacunas in teaching and other aspects. Parent-Teacher Meet, Feedback from Alumina's and Exit Polls of passing out students are essential part of this process.

The system of academic processes from its initiation to completion with inclusion of reforms has boosted the confidence of all stakeholders and thus we consider not only this as most important practice but also the best practice of the college.

- The college is now one of the preferred destinations for aspiring students, which can be seen from the admission statistics.
- Overall class attendance, engagements of classes and syllabus converge has substantially improved.
- There is enhancement in organization of curricular and extracurricular activities for the benefits for the students, paper publication for the students and their participation in competitions organized by reputed institutions have increased.
- Quality of students' projects have improved, which is seen from performance of students in various competitions.
- Organisation of faculty development programmes has increased and the participation of faculty in these programmes has considerably increased.

#### 6. Problems Encountered and Resources Required

For streamlining this practice the major constraint was the requirement of extra hours and days, this constraint was overcome by suitably adjusting time table. Initially the response from students and faculty members was not so encouraging, however in recent times there is substantial improvement. Extensive work was required in developing formats, arranging parent – teacher meetings etc. Organizing FDPs and student activities.

#### 7. Notes

Efforts are needed to create right kind of ambience for successful teaching-learning process. Vision and directions of the Management and Principal, coordination among functional heads, commitment shown by faculty members and response from other stake holders is essential in streamlining of the process.

## Best Practice 2

**1. Title of the Practice : Emphasizes on overall development through interpersonal skill, co-curricular and extra- curricular of activities student and faculties.**

### 2. Objectives of the Practice:

Objective of the practice are listed below:-

- To prepare students for campus selection in reputed companies
- To promotes interest in students and faculties about managing events
- To prepare student for participating sports competition at inter-collegiate, districts, state, national and international levels

### 3. Context:

- 1) To motivate students to practice aptitude and communication skill as one of the important areas.
- 2) To inculcate leadership habits among students by arranging various training programs and techfests this will boost their self confidence eventually leading to rise in placements.
- 3) To bring the best out of student, Institute organizes several sports activities and extra-curricular activities, NSS which leads to overall development of student.

### 4. The Practice:

Our institute is committed for overall development and placement of the students by providing them opportunities to participate in various national and international conference, training , NSS, Sports etc. Keeping in mind the above aspect, students are prepared for placement activity by taking aptitude and communication skill as one of the prime areas. Efforts are taken to groom students in terms of aptitude and communication skill is discussed below:

**A. Techsaga – A National Level Techfest:** Techsaga is a learning ground for budding engineers. They get acquainted with things which cannot be taught in classrooms or through books. They develop communication, presentation and entrepreneurship skills by organizing and participating in it. Techsaga is one of regular practices adopted by institute every year to nurture students in technical as well non-technical aspects.

**B. ICAET-2014 & 2015-International Conference:** Institute plans & organizes International Conferences and emphasized the relevance and need of such platforms for creative thinking and research. College motivates the students & faculties to enrich themselves in terms of knowledge & experience because the world of technology is fast changing and it is necessary for institution to organize such activities. The management also stressed the need that Teaching faculties should update themselves to survive in fast changing Technical world and every institution should set up a research centre. The management feels that institution should go for accreditation and ISO certification to ensure quality of education. 865 abstracts were received 549 full **length** papers were submitted, out of which 385 papers

were selected for presentation & publication in Journal with impact factor of 5.089.

**C. Edutech- A Poster, Model & Project Competition:** Edutech is national level techfest organized every year for students of higher secondary education HSSC to promote and bring their talent on a large scale platform to further nurture their abilities. This type of activities is needed to build students' confidence at grass root level prior to their admission in Engineering programme. This helps student to set their future goals and broadens their mindset about different career options.

**D. Campus Specific Training – Prior to days before campus drive:** Training & Placement Cell of institute organizes campus specific rigorous training consisting of 60 hours. The training covers both aspects which Technical & Non-Technical. This training has been immensely successful as it provides immediate capsule to students for appearing in campus drives. Because of this training students are placed in reputed companies like Zensar, Globallogic, Eternus Solutions, Asahi Glass India & many more.

**E. Workshop on aptitude and communication skill** – Departments organize various workshops related to aptitude and communication skills.

**F. Workshop on communication skill in first year** – Knowing the importance of communication skill, our institute organizes CRT (Campus Recruitment Training) from first year itself. In this activity communication skill along with various important skills like GD (group discussion), facing PI (personal interview) are also conducted which results in overall grooming of the students.

## 5. Evidences of Success:

### 1) Rise in Campus Placements

Sr. No.	Batch	Number of companies visited	Number of students selected
1	2012-13	32	96
2	2013-14	43	159
3	2014-15	41	171
4	2015-16	68	163
5	2016-17	45	224

The rise in the number of placements can be observed in the following graph where academic session, number of opportunities and number students selected are given:

### 2. Achievements of students in Curricular, Co-Curricular and Extra Curricular activities.

Academic Year	NAME OF STUDENT	SEMESTER	NAME OF EVENT/ ACTIVITY
	Mr. Vaibhav Shinde	8th	Paper Presentation (All Symposium "Brain Waves 22/03/2016

2016-17

Mr. Abdul Malik	8th	Project Competition (Techno) On 29/03/2016
Mr. Haaris Khan	8th	Hidden Friend-Project 18/03/2017
Ms. Aishwarya Jambhulkar	8th	Research Paper-National L Advances In Engg. & Appl. Sc
1. Mr.Haaris Khan, 2. Ms.Pinky Gangwani 3. Ms. Shaziya Quadri 4. Ms. Aishwarya Jambhulkar	8th	Hidden Friend: A Netw Application Presented At Ijs On 02/01/2017
1. Mr. Faisal Khan 2. Mr. Atique Akbani	7th	Project Presentation Of Teaa Place In Nagpur Smart Ci 20/12/2016
1.Mr. Abhay Walke 2.Mr. Moiz Mansuri 3.Mr. Afroz Vakil	5th	Winner Of Inter Collegiate T (Men& Women Championship
Ms. Azran Siddiqui	8th	1st Position: In "Techkrun Collegiate Techno- Quiz Com Gh Rasoni Institute Of I Technology, Nagpur On: 28th
1.Mr. Pralay Bagde 2.Ms.Sanket Nikose	7th	Rtmnu Best Nss Award Award
Prof. Sohail Pervez & Team Aztecs	8th	Best Mentor Award At Eco K 6.3.17
Ms. Amrin Khan	8th	Mirror Writing In Five Langua Of Record"

	Mr. Aman Kumar Shende	3rd	Weight Lifting Maharashtra 2016-2017
	Ms. Shruti Khawase	5th	Softball Confederation A University Woman Softball, C
	Mr. Tarak Pauk	8th	Paper Presentation(1st Positio 2017
	Mr. Anis Raja	8th	PPT Presentation(2nd Positi 2017 (NPTI)
2015-16	1.Mr. Qumail Ajani 2.Mr.Mirza Qadir Baig 3. Mr. Samiuddin Qureshi	3rd, 5th & 7th	Inter Collegiate FUTSAL (Me Championship 2015-2016. WINNER On 22nd February T 1st March ,2016
	1.Mr. Abdul Wadood Khan, 2.Mr. Bilal Yar Khan, 3.Mr. Shahnawaz Khan, 4.Mr. Mohd.Aasim	8th Semester	3rd Prize In Inter Collegiate I Competition 'Anveshan' At N
	Mr. Sanket Nikose Team Aztecs	6th Semester	Rtmnu Best Nss Volunteer Aw Best Marketing Scope At Gurgaon
	Ms. Shruti Bagde	6th Semester	Best Trainee For Ever Mahagenco Training Prog. 15.
	Mr. Deepak Kumar	6th Semester	Best Trainee For Ancho Training Prog. 15.12.15 - 3.1.1
	Ms. Arsala Khan	7th	Winner Of Competetion He Haptic Robotic Arm Organise With Robokart
	Saniya Parvez	7th	Winner Of ECO-KART Hel Economic Kart Section
	1.Mr. Owais Safee 2.Mr.Vibhay Kumar	8th	Tug Of War(Men) On 27th & 28th February, 2015

	1.Ms.Rouble Kour 2.Ms.Priya Raut 3.Ms.Rumana Badar 4.Ms.Shruti Khandale 5.Prajakta Ramteke 6.Ms.Shabina Ali 7.Ms.Ashkarani Sheikh 8.Ms.Pooja Sonukale	8th	Tug Of War (Women) On 27th & 28th February, 2015
	1.Mr. Owais Safi 2.Mr Sufiyan Qureshi 3.Mr. Danish Khan 4.Mr. Saifan Khan 5.Mr. Vibhay Kumar 6.Mr. Azhar Sheikh 7.Mr. Saud Askari		Kick Ball National Champions Organized By Kick Ball Fedra
<b>2014-15</b>	Mr. Owais Safi		Member Of Indian Nationaltug Indo-Nepal Internationaltug Championship Held At Pokara
	Ms. Saniya Parvez	6th	3rd Best Paper Winner In Trac
	Ms. Riza Quadri	6th	Winners Of National Level Bhagwati Chaturwedi
	Ms. Mirza Akram Baig	6th	Winners Of Texas Instrum Challange India Design Contes
	Mr. Shahrukh Salman	5th Semester	Best Rtm Nagpur University P
	Mr.Anand Kumar	8th Semester	3rd Position Al-Barq-14 (Proje
	Ms. Pallavi Lonare	8th Semester	1st Position Block Decoration.  Throw Ball (Team Event) (2 (Doubles) (3rd)
	Mr. Sajjad Khan	8th Semester	1st Position : Quiz Competitio
	Mr. Shahrukh Salman	5th & 6th	• 3rd Position: Tug Of W



		Semester	Level Team Event) Cha
			<ul style="list-style-type: none"> <li>• Winner – Indo- Nepal I Of War Tournament, N 2014.</li> <li>• Winner – 8th Senior KI Championship, Ahmed</li> <li>• Selected For Ssb Interv Army)</li> <li>• Participated In Korfball Team Event).</li> </ul>
2013-14	Mr. Shahid Ali	7th	21st Senior Federation Championship-2013 At Chan Panjab On 30thand 31st Septer
	Ms. Rouble Kour Mair	6th	Placed Third At All India Roll 2013 – 2014 Held At Noida F Jan
	Mr. Khizar Hussain	6th	Winner Of Best Ramp Walk A In Vidarbhamahotsavorganise Represented Nagpur In V Char Secured 7th Position Of Model
2012-13	Mr. Shahrukh Salman	4th Semester	<ul style="list-style-type: none"> <li>• Designated Rank Of Se Captain (Scc) Of 4 (Ma Ncc Nagpur On 26th O Passed The 'C Certifica From Naval Wing With And Was Also The Par</li> <li>• Ardent Ship Modeler</li> <li>• Stood 2nd In Interstate Competition Organized Maharashtra Directorat</li> <li>• Designated As Second Among 78 Cadet Selec India In Ssb Screening Training Academy (Ota Oct 2012</li> </ul>

**6.Problems encountered and resources required:**

Creating interest and awareness among students regarding importance of Co-Curricular & Extra Curricular in their academic session was difficult. Inculcating leadership habits among students & campus selection

awareness was a tedious task for faculty members and training & placement cell of Institute.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 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:

#### Vision

To be a centre of excellence for developing quality technocrats with moral and social ethics, to face the global challenges for the sustainable development of society.

#### Mission

- To create conducive academic culture for learning and identifying career goals.
- To provide quality technical education, research opportunities and imbibe entrepreneurship skills contributing to the socio-economic growth of the Nation.
- To inculcate values and skills, that will empower our students towards development through technology.

#### Institutional Priorities:

- Excellence in academics
- Faculty Development
- Placements
- Imparting quality education to economic backward students

#### Thrust:

- Satisfaction of stakeholders including students, faculties and administration.

The Vision & Mission statement defines college's distinctive characteristics. The mission statement includes imparting quality technical education, research opportunities and imbibes entrepreneurship skills contributing to the socio-economic growth of the nation wherein quality conscious practices are implemented regarding every process. It is ensured that stakeholders are involved in various processes and their satisfaction index is enhanced. Academic excellence, faculty development and placements are institutions' priorities for which various practices are implemented.

It was a dream to build an institution which could and compete with the leading technical institutes of central India. Each year comes with its achievement and success and in a very short span of time, Anjuman College of Engineering & Technology has carved a niche for itself in the technical academic scenario. It has always been our earnest endeavor to impart not only the best technical education but also importantly to chum out competent leaders, excellent technocrats and responsible citizens.

Institute has a team of skilled experienced and dedicated Professors, Administrative and Non teaching staff who are committed to achieving excellence in the every activity of the institute. Institute maintains clarity in working and possesses excellent infrastructure, well equipped engineering department , libraries, training and placement cell, sport facilities , seminar rooms and auditorium hall where students are exposed to thought provoking and inspiring seminars and guest lectures apart from regular classes. Cultural activities and sport activities make learning process more interesting for students. Institute is committed to empower youth of today with knowledge and leadership qualities that will enable them to not only stand on their feet but be the world leaders in some field or the others.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

The Institute works under the umbrella of the trust Anjuman Hami – E – Islam and functions on no profit no loss basis. Around 75% of income is spent on salary of the staff and the remaining 25% is utilized on the development of the institute. In spite of being located in the heart of the city and being ranked among the few best colleges of this region, the fee structure is comparatively less than the other such colleges. This stands testimony to our commitment to provide quality technical education and to reach to the all sections of society in general and economically weaker sections in particular. Our focus has been to guide students to develop projects which are useful to the society at large and are able to reduce the problems being faced by the industry in the region thus complementing our vision and mission.

### **Concluding Remarks :**

In our academic pursuit, and to achieve our vision, the college is slowly and steadily marching toward success. In this endeavour our vision is assisted by ever supporting management, able leadership, dedicated and hardworking faculties and supporting staff, equally complemented by our students.