SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

ADITYA COLLEGE OF ENGINEERING

ADITYA NAGAR, ADB ROAD, SURAMPALEM, EAST GODAVARI DISTRICT
533437
www.acoe.edu.in

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Aditya College of Engineering, Surampalem, Kakinada was established in the year 2008 sponsored by Sarojini Educational Society, Kakinada. It is approved by the AICTE, Delhi and affiliated to Jawaharlal Nehru Technological University, Kakinada and recognized under section 2(f) of the UGC Act 1956. It offers six (06) under graduate course in Engineering, B.Tech. in Civil Engineering, Electrical & Electronics Engineering, Mechanical Engineering, Electronics and Communication Engineering, Computer Science & Engineering and Petroleum technology. The college also offers four (4) Post Graduate courses in Engineering- M.Tech. in Embedded Systems, VLSI Design, Power Electronics & Drives and Computer Science Engineering along with Master of Business Administration. The total intake of the college is 912 (B.Tech.- 780 + M.Tech.-72 + MBA-60). The total students on Rolls are 2341. There are 228 faculty out of which 24 members are Doctorates and remaining all are with M.Tech. qualification.

Vision

To induce higher planes of learning by imparting technical education with International Standards, Applied Research, Creative ability, Value based instruction to emerge as a premiere institute.

Mission

Achieving academic excellence by providing globally acceptable technical education by forecasting technology through

- Innovative research and development
- Industry institute interaction
- Empowered man power

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Proactive management
- The Institute has highly motivated faculty including experienced Doctorates
- Above 80% retention of faculty
- Produced good rankers in the University Examination
- Students from diverse cultural backgrounds (National andInternational) create a hormonal appeal and Globally acceptable stature
- Regularly organizes Conferences, Symposia, Workshops, and FDPs
- Scientifically designed employability assessment and training programs by AMCAT and COCUBES through first to fourth year.
- Exclusive training support for advanced career guidance programs like GATE, GRE, TOEFL, etc.

- NSS unit carries out social activities like blood donation camps, education to rural students and health camps
- Implementation of Swachh Bharat Abhiyan

Institutional Weakness

- Majority of Faculty are with limited industrial experience and exposure
- Research activities are be strengthened
- Poor English language competency of students, majority being from local medium
- Lack of understanding of Industrial requirements and real-time projects among students
- Limited skills among technical - support staff
- Low intellectual networking capabilities with institutes like IITs, IISc etc.

Institutional Opportunity

- Increased focus on industrialization due to bifurcation of State, offers an immediate opportunity to students for better placements
- Growing Indian economy and Globalization with rural industrialization lead to good employment
- Existing infrastructure can be leveraged to set the Institution go on a global progression
- Scientific training programs enhance the Global competency of students thereby the scope of their employability
- The location of the college is identified as industrial zone by the government of Andhra Pradesh

Institutional Challenge

- Retention of senior faculty due to emerging competition from local, regional, and global institutions
- Faster pace of developments in technology and emerging new fields lead to limiting knowledge management by faculty
- Dynamic Government Policies may retard the implementation of certain time sensitive programs
- Because of too many number of engineering colleges, the percentage of seat filling is a challenge for all engineering colleges.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Since the Aditya College of Engineering is an affiliated college to Jawaharlal Nehru Technological University, Kakinada. It has a limited role to play in development of curriculum. The college implements the curriculum designed by the university with well planned academic calendar in tune with university calendar. In addition to the curriculum prescribed by the university, the college offers number of skill development programs, value added courses to enrich the curriculum. It also makes efforts to integrate moral and ethical values, employability and life skills for better career options and community orientation. It obtains feedback on the curriculum from all the stake holders like students, faculty, parents, alumni, employers, industries, academic peers and community and makes its recommendations to introduce new subjects and also to make necessary

changes in the curriculum.

Teaching-learning and Evaluation

The Aditya College of Engineering is more conscious on the quality of students to be admitted and provide all necessary information and necessary guidance to the aspiring students seeking admission in various branches of UG & PG Courses. The ACE is proud to have a number of students from other states of the country and many other countries. The admissions are made by the rule of reservation in the admission to the SC/ST/BC/Minority/Economically Weaker Sections/ Physically Challenged, etc., are available as per the rules in force. After the admission process is completed it assesses the learning levels of students and organizes special programs for advanced learners and slow learners. It maintains full time teachers in the ratio as per AICTE norms. The Faculty are well qualified and experienced. Some of the teachers have received awards. The teaching and learning process is more student-centric and Information and Communications Technology (ICT) is mostly used by the teachers apart from regular chalk and talk. It resulted in a better pass percentage of the students in all the examinations. The faculty mentors are appointed for guiding the students in academic and stress related issues. The institute adopts reforms in continuous internal evaluation which is transparent and robust. The grievances of students related to examination are dealt with transparency and efficiently. The program outcomes, program specific outcomes and course outcomes are stated and displayed on the website. The attainment of such outcomes is evaluated by the institution.

Research, Innovations and Extension

It is the policy of the Aditya College of Engineering to encourage the faculty and students to involve in research apart from their regular curricular activities. A research committee is formed to promote research. The faculty is encouraged to attend workshops, training programs, FDPs and also to publish their research papers in journals and present them in seminars or conferences. A number of eminent researchers and senior faculty are invited to deliver guest lectures, conduct FDPs and workshops on the selected topics to educate and inspire the faculty to involve in research activity. The college has created facilities such as research laboratories, incubation centers to promote research. Leave and financial support is provided for research activities. The faculty are encouraged to guide scholars in research work and accept sponsored research/consultancy activities by the industry and NGOs and Guide the research scholars. The faculty are also encouraged to submit their research proposal to funding agencies. The faculty are encouraged to publish/present their technical papers in UGC notified journals and in different national/international Conferences by providing incentives.

Students and faculty are encouraged to participate in extension activities through NSS and in collaboration with industry and NGOs. The college have number of linkages with research laboratories and institutes for collaborative research, faculty and student exchange etc., It is also having MOUs with different industries under industry institute interaction for value added courses, certification, placement services and consultancy to the students.

Infrastructure and Learning Resources

The college has adequate infrastructural facilities for meeting curricular, co-curricular and extra-curricular activities such as well furnished class rooms with a provision for usage of Information and Communications Technology (ICT), seminar halls, laboratories, faculty rooms and other required facilities. For extra-curricular

and co-curricular activities the facilities such as vast play ground, Gym, NSS, NCC, Yoga, health hygiene, communication skills and soft skills development, cultural activities, etc., are provided. The college has spent about Rs **682.45** lakhs for development of infrastructure for the last five years. The college central library is main source of knowledge which has around 28334 volumes of books and digital library facility. It subscribes national journals which are considered to be more useful both for students and faculty. The college has spent around **Rs 50 lakhs on augmentation of library and around Rs 395.2 lakhs** for the development of laboratory facilities in last five years. The college possesses more than **600** computers with latest configuration and required software's to meet the IT needs of the faculty and students. The internet connectivity with 64 mbps capacity along with the Wi-fi facility is made available in the college. The ICT facilities are provided to use latest audio and visual aids to enrich teaching learning process. All the departments are allocated required funds to meet their infrastructural and recurring expenditure. The college has appointed separate committees to maintain the infrastructure and maintenance of the campus.

Student Support and Progression

The College provides financial aid to the economically weaker students on its own and extends support to obtain scholarships, tuition fee from state government to all eligible the SC/ ST/OBC/Minority/physically challenged/economically weaker students. Through career guidance and placement cell it provides career guidance and training in communication skills to improve their employment opportunities and arranges on campus placement drives and off-campus drives. Apart from regular teaching it also provides training to prepare for GATE/TOFEL/ PGCET / ICET and other competitive examinations. The college after analyzing the performance of students in examinations provides special support to the students who are at the risk of failures and arranges remedial classes, bridge courses and special support to slow learners. To improve the communication skills of the students a language lab is also established. It also offers value added courses/ Vocational Educational training to bridge the gap between the curriculum and industrial needs/ latest technologies. The college has established a grievance redressal cell to address the grievances of the students. It also encourages students to participate in sports, games, cultural programmes and other extracurricular activities and also encourages students to participate in university / state / zonal / national level competitions. Students are also encouraged to publish magazine catalogues, wall magazines etc., to bring out their talents and creativity. Students are also involved in administrative activities by including them in number of committees. There is a registered alumni association through which the alumni members provide their financial support to the college.

Governance, Leadership and Management

To achieve the stated vision and mission of the institution, the college involved all the stake holders in governing the institution obtains feedbacks from stakeholders regularly. For smooth administration of the college a number of committees like Governing Body, College Academic Council, Anti Ragging Committee, Disciplinary Committee, Grievance Cell, Women Empowerment Cell for women etc., are formed. The committees meet at regular intervals to take decisions accordingly. Heads of the departments are given free hand to administrate their academic activities in coordination with the principal. Institute adopted e-governance system for transparency. Institute has made efforts to empower the faculty by organizing a number of FDPs by inviting senior faculty and eminent persons from other institutes and industry. The college fulfills the necessary needs of the teaching and Non teaching for higher education and publication of their research articles. An effective performance appraisal system is available to understand the needs of teaching and non teaching staff. All financial transactions are audited and IT returns are submitted annually. The main source of income is

tuition fee, special fee and loans are also obtained from banks to meet financial requirements of the college. The college has also received funds through consultancy for research activities and for infrastructural development. In addition to the above all, the management is always ready to invest their own funds for smooth running of the college. To ensure the quality education the college has constituted an Internal Quality Assurance Cell (IQAC) with senior faculty and external experts as members.

Institutional Values and Best Practices

The College is keen on gender equity and organizes promotion programs and provided required facilities. Solar Power and LED bulbs are used to reduce the usage of power. To harvest the rain water in a proper way many pits are dug to store rain water. Numbers of plants are planted in the campus to make it green and pollution free environment. Under waste management a plastic free zone campaign is organized. The college encourages usage of bicycles, public transport and pedestrian friendly roads to avoid environmental pollution and created facilities for differently abled people. It has a code of conduct for all students and staff. To promote universal values college organizes national festivals. It maintains complete transparency in all its functions. Emphasis on practical skills to improve the practical knowledge of the students and inculcating the spirit of research among faculty and student are its best practices. The college has defined its vision to provide the quality technical education. To distinct with the vision of the college the management has promoted a number of other general educational institutions offering education from KG to PG and teachers training. To cater the needs of farmers it also involved in producing agricultural equipment and machinery as live projects by students. To improve the employment opportunities of the students it has specialized in providing communication skills and soft skills and promoted extensive usage of ICT material to improve the teaching and learning process.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	ADITYA COLLEGE OF ENGINEERING
Address	Aditya Nagar, ADB Road, Surampalem, East Godavari District
City	SURAMPALEM
State	Andhra Pradesh
Pin	533437
Website	www.acoe.edu.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Professor	A. RAMESH	08852-241015	9849219973	08852-252250	viceprincipal@acoe.edu.in
Principal	T.K. Rama Krishna Rao	0884-2326224	9000476662	08852-252243	office@acoe.edu.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	
Date of establishment of the college	30-06-2008

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

Details of UGC recognition	
Under Section	**Date**
2f of UGC	19-03-2016
12B of UGC	

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	**Recognition/Approval details Institution/Department programme**	**Day,Month and year(dd-mm-yyyy)**	**Validity in months**	**Remarks**
AICTE	[View Document](#)	10-04-2017	12	Extension of Approval

Details of autonomy	
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

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

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	Aditya Nagar, ADB Road, Surampalem, East Godavari District	Rural	11.27	20146.11

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	**Name of Programme/Course**	**Duration in Months**	**Entry Qualification**	**Medium of Instruction**	**Sanctioned Strength**	**No.of Students Admitted**
UG	BTech,Electrical And Electronics Engineering	48	Intermediate	English	120	36
UG	BTech,Civil Engineering	48	Intermediate	English	60	18
UG	BTech,Mechanical Engineering	48	Intermediate	English	180	54
UG	BTech,Electronics And Communication Engineering	48	Intermediate	English	240	157
UG	BTech,Computer Science And Engineering	48	Intermediate	English	120	119
UG	BTech,Petroleum Technology	48	Intermediate	English	60	25
PG	Mtech,Electrical And Electronics Engineering	24	Degree	English	18	6
PG	Mtech,Electr	24	Degree	English	18	7

	onics And Communication Engineering					
PG	Mtech,Electronics And Communication Engineering	24	Degree	English	18	6
PG	Mtech,Computer Science And Engineering	24	Degree	English	18	6
PG	MBA,Master Of Business Administration	24	Degree	English	60	56

Position Details of Faculty & Staff in the College

	Teaching Faculty											
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				27				56				145
Recruited	21	6	0	27	46	10	0	56	101	44	0	145
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				256
Recruited	188	68	0	256
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				55
Recruited	49	6	0	55
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	17	5	0	0	0	0	0	0	0	22
M.Phil.	1	0	0	2	1	0	1	0	0	5
PG	3	1	0	44	9	0	100	44	0	201

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

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

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	1423	129	0	52	1604
	Female	570	10	0	4	584
	Others	0	0	0	0	0
PG	Male	77	0	0	1	78
	Female	74	0	0	1	75
	Others	0	0	0	0	0

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

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	19	23	23	20
	Female	11	4	12	4
	Others	0	0	0	0
ST	Male	1	2	1	1
	Female	1	1	1	0
	Others	0	0	0	0
OBC	Male	168	240	134	147
	Female	59	79	42	49
	Others	0	0	0	0
General	Male	258	321	169	184
	Female	125	175	94	86
	Others	0	0	0	0
Others	Male	0	2	21	2
	Female	0	1	1	0
	Others	0	0	0	0
Total		642	848	498	493

3. Extended Profile

3.1 Programme

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

Response : 468

Number of self-financed Programmes offered by college

Response : 11

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

Response : 8

3.2 Student

Number of students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2094	1954	1905	1873	1767

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
456	503	474	397	317

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

2016-17	2015-16	2014-15	2013-14	2012-13
498	705	513	431	366

Total number of outgoing / final year students

Response : 2513

3.3 Academic

Number of teachers year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
220	206	173	156	126

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

2016-17	2015-16	2014-15	2013-14	2012-13
220	206	173	156	126

Number of sanctioned posts year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
220	206	173	156	126

Total experience of full-time teachers

Response : 1304

Number of teachers recognized as guides during the last five years

Response : 3

Number of full time teachers worked in the institution during the last 5 years

Response : 441

3.4 Institution

Total number of classrooms and seminar halls

Response : 63

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

2016-17	2015-16	2014-15	2013-14	2012-13
417.44	380.83	144.47	215.34	125.72

Number of computers

Response : 600

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

Response : 0.689

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

Response : 0.199

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:

- Aditya College of Engineering (ACE) is affiliated to the Jawaharlal Nehru Technological University Kakinada (JNTUK), Kakinada. The College meticulously plans and develops action plans for effective implementation of the curriculum prescribed by the JNTUK, Kakinada which is in line with the institution's vision to empower society through quality education.

- The institute follows the curriculum designed by respective Boards of Studies (BoS) of affiliating university JNTUK with inputs from various stake holders. ACE meticulously develops action plans for effective implementation of the curriculum. At the outset, the advisory committee of the college conducts protracted meetings with the heads of various departments to develop various strategies for effective implementation of the curriculum.

- Thereafter, the Department Academic Committee (DAC) members of various departments conduct their internal meetings and develop academic plans for the coming academic year. Keeping in view, the number of working days available, the syllabus is divided into units which are to be finished by a given deadline. Each department of the college follows the academic calendar issued by the affiliating university.

- Teachers are encouraged before and to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits, ICT tools or other means apart from regular/traditional teaching methods and develop course file. Course file which contains lesson plan, assignments, tutorials, previous question papers, lecture diary and lecture notes is maintained by each faculty for their respective subjects allotted. These course files are reviewed on continuous basis.

- Thereafter, the college plans the academic schedule as per the university calendar which includes the details like the topics to be taught and no. of working days allocated to the respective topics, the amount of syllabus to be tested in various classes, by conducting mid exams and end semester examinations. The implementation of curriculum is monitored through various means that include Student representatives, Heads of the Departments and Principal at regular intervals.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

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

Response: 23

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
6	4	4	5	4

File Description	Document
Any additional information	[View Document](#)
Details of the certificate/Diploma programs	[View Document](#)
Minutes of relevant Academic Council/BOS meetings	[View Document](#)

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

Response: 3.58

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

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

File Description	Document
Details of participation of teachers in various bodies	[View Document](#)

1.2 Academic Flexibility

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

Response: 54.27

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

Response: 254

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

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

Response: 100

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

Response: 11

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

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

Response: 47.32

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
1571	962	876	643	566

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

1.3 Curriculum Enrichment

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

Response:

- ○ Gender Sensitization: In a move to create increased awareness among students towards gender issues, workshop/seminar on gender sensitization are organized for students of engineering and is effectively implemented by the college. The very aim of gender sensitization program is to bring definite orientation in the thinking, practices and approach of individuals concerning gender.

- ○ The workshop/seminar will deal with issues pertaining to the relationship between men and women, caste, declining sex ratio, struggles with discrimination, sexual harassment, new forums for justice, and eve-teasing. Through accounts of studies and movements, the course also hopes to expose students to new laws on gender issues.

- ○ Women empowerment cell is formed to look after the welfare of all girl students. Gender equity is attained by conducting programs like seminars, debates, group discussions for both boys and girls on a single platform.

- ○ Human values and professional ethics: To instill Moral, Social and Ethical values, college has chosen Human Values and Professional Ethics as an open elective for third year students of all B. Tech programs. This course helps the students to ensure sustained happiness and prosperity which are the core aspirations of all human beings. It facilitates the development of a Holistic perspective among students towards life, profession and happiness, by understanding Human reality and rest of existence. It highlights plausible implications of Holistic understanding in terms of ethical human conduct, trustful and mutually satisfying human behavior and mutually enriching interaction with nature.

- ○ The assessment of this course is done through practical assignments which requires originality and initiative. As a part of course enrichment, college conducts guest lectures and seminars with eminent social workers.

- ○ Environmental Education: Environmental studies subject is taught in the university syllabus. Students are given inputs regarding the concept and taken to field visit as part of their assignments and project work. The College celebrates World Environment Day, Earth Day, Ozone Day and other important days to drive the significance of environment like Plantation, Swachh Bharat, Traffic Week, Beach Coastal Cleaning and etc.

File Description	Document
Any Additional Information	[View Document](#)
Link for Additional Information	[View Document](#)

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

Response: 35

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

years

Response: 35

File Description	Document
Details of the value-added courses imparting transferable and life skills	[View Document](#)
Brochure or any other document relating to value added courses.	[View Document](#)

1.3.3 Percentage of students undertaking field projects / internships

Response: 28.79

1.3.3.1 Number of students undertaking field projects or internships	
Response: 674	

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

1.4 Feedback System

1.4.1 Structured feedback on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni 5) Parents For design and review of syllabus semester wise/ year wise
A.Any 4 of the above

B.Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A.Any 4 of the above

File Description	Document
URL for stakeholder feedback report	[View Document](#)

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

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

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

File Description	Document
Any additional information	[View Document](#)
URL for feedback report	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 2.28

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
52	60	54	25	30

File Description	Document
List of students (other states and countries)	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 71.9

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
638	836	494	495	541

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
912	930	948	792	636

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

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 80.3

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
365	467	300	362	235

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

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

The college arranges Awareness/Induction Program to the parents and students admitted in I B.Tech before the commencement of the classes regarding facilities, faculty expertise, rules and regulations of the college.

The students and parents are encouraged to express their problems and elicit other information during program and provide a platform to access and act accordingly. The differential requirements of students are identified and addressed at the earliest by way of a strategic approach that involves bridge programs like, communication skills, personality development and motivational sessions. Institute has a mechanism which continuously monitors and evaluate the students.

The participation of the students in class room discussions, performance in class tests, class room seminars, class committee meetings and feedbacks measure their learning abilities and identify slow learners and advanced learners.

The advanced learners of the college are promoted thus:

- Extra materials are provided to widen their horizon.
- The research aptitude among them is given a thrust by providing access to E-journals.
- Stimulated with various advanced projects, challenging assignments and tasks for their advancement.
- Encouraged to present papers, write research articles and assist in the preparation of college magazine.
- Usually made the class representatives for proactive leadership through which classroom dynamics are positively influenced and the provision of an ample scope for the social / event management skills.
- Peer teaching and group presentations are encouraged by teachers.

- Given the lead role to plan and organize fests/events, departmental seminars/ conferences which gives them an opportunity to interact with the academia and industry experts.
- They are groomed to represent the college during seminars, paper presentations and student fests organized by other colleges.
- Motivated to strive for higher goals and provided with additional inputs for better career planning and growth likes: Offering special coaching for exams like GATE, IES, CAT and MAT. Encourage to write the pre assessment exams through AMCAT and CO-Cubes.

Assisting slow learners:

- Identifying the weak students based on their academic performance. In a class, students are divided into groups and Mentors (faculty members) are assigned to each group right from I to IV year. In view of mentoring the faculty members suggest/guide the students in curriculum.
- A prescribed mentor book is provided to the mentor for recording the status of the student, starting from first year to final year. The mentor ascertains the difficulties faced empathetically and provides requisite guidance and assistance by way of arranging special tutorials, labs, video lectures and personal attention by concerned faculty.
- The mentor will be in touch with the student's parents and frequently calls the student to update the status of his ward. Remedial classes are conducted in courses where failures are more in external exams. Apart from the conventional teaching, the students are taught using modern teaching aids like LCD etc. Special bridge courses are arranged for the lateral entry students in the II year to help them cope with theory subjects including Mathematics.

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

2.2.2 Student - Full time teacher ratio

Response: 10.27

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

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

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

2.3 Teaching- Learning Process

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

Response:

Experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences. The teacher's role is to promote self management knowledge, holistic development and skill formation through participatory learning activities such as following lecture method in combination with other teaching methods. The extent of the lecture method varies from course to course. However there has been a paradigm shift in teaching from purely chalk and talk methods to adopting a judicious mix of lecture method and modern methods of pedagogy.

Experiential learning:

- Learning is considered as expermental learning with the following elements: reflection, critical analysis and synthesis, opportunities for students to take initiative, make decisions and responsible for the results.
- It provides opportunities for students to engage intellectually, creatively, emotionally, socially, or physically.
- What matters most is whether the activities allow students to chase answers to questions, make decisions, take risks, think on their feet, and justify their answers. These types of activities enhance student learning.

Participative learning

- Students are the first and foremost stakeholders of the college. The teaching learning process is student centric by default and sufficient space is provided in academic plan.
- Learner centric teaching methods such as group work, role play, project work, field visit, industrial visits, case study, debates, seminars, presentations are employed to make teaching and learning more effective.
- Educational trips, surveys are organized at departmental levels. All departments organize guest lectures by eminent personalities to develop the students to learn on their own. Visiting faculties drawn from industry and academic institutes of repute supplement the teaching process and provide the information to bridge the gap between industry and academia.
- These events promote leadership qualities in the students. It also inculcates team work among the students. In addition to the collection of audio visual aids in the central library, departmental libraries also have their own collection, to promote easy access.
- Mini projects and main projects are part of curriculum which are done by students by forming a group. The institute encourages departments to conduct hands on experience workshops like Android applications, Robotics, Arduino etc. for students.

Problem solving methodologies

- Problem solving skills are among the most valued skills in the work force today because they can be applied to many situations.
- Problem solving methods used to find solutions to problems and issues which are often uses to get the answer.
- Learning about the methods will enable to recognize the approaches already in use and identify

other approaches that could be useful for the student.

Steps for Effective Problem Solving

Identifying the Problem, Defining Goals, Brainstorming, Assessing Alternatives, Choosing the Solution, Active, Execution of the Chosen Solution and Evaluation.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

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

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 228

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

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

Response: 11.71

2.3.3.1 Number of mentors

Response: 200

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	[View Document](#)

2.3.4 Innovation and creativity in teaching-learning

Response:

Creativity and innovation brings about interest and motivation to learners as well as trainees, which eventually lead to learning. Perhaps the simplest way to transform class in a powerful way, active learning strategies get students working with course material in the classroom either individually or in groups. Active learning strategies, unlike open class discussion, are timed, structured, and designed to give students a chance to learn by acting on a specific piece of content in a specific way.

Students learn material better when they engage it actively rather than absorb it passively. The institute Introduced e-learning platforms are provided to facilitate independent learning wherein students can access course contents online. Thus e-learning platforms bridge the gap from classroom learning, and also supplement advanced learning. Available e-learning platforms include ERP, learning resources through CDs and DVDs.

Teaching–learning is a phenomenon where the teacher and the student are learning. In our institution, we have been following this method. By this method, the teacher is refining his/ her subject knowledge and effective teaching skills, where as the student finds it easier to understand the subject and its application. Our teaching faculty's endeavor is to follow this method meticulously so that both the participants get benefit and value addition to their efforts. It is not a traditional knowledge transfer from the teacher to the student.

Traditional teaching has been replaced with more innovative and creative ways of disseminating, sharing and facilitating knowledge development in students. As both are involved with commitment, through this method, an interest has been created in the student and the teacher has to encourage the student to come out with new and innovative ideas. This method also motivates both the teacher and the learner.

A teacher has to find out innovative ways and new methods, and our faculty has been using various methods by using teaching aid to encourage the student's involvement. In this endeavor, our faculty has been taking pains with interest to demonstrate live / practical/ day-to-day examples, sometimes taking some live examples from the students to discuss a topic, coupled with technology. Both the faculty and student are involved in model making, and discuss in depth. This teaching-learning innovative method would certainly encourage the students to raise questions and some times, with working models development, they get answers to their queries. This kind of support would certainly enhance their innovative skills and creative ideas.

The following are the technologies and facilities for effective teaching and learning:

- All departments are well equipped with ICT-enabled facilities for teaching-like computers with internet facility
- LCD projectors in all class rooms
- E-Library resources and online content are used by teachers where the courses need updated information.
- Video conferencing facility
- Workshops and Seminars are held by the college and the faculties are also encouraged to attend seminars and conferences.
- Faculties use e-learning resources like NPTEL Videos/pdf and open e-learning resources
- Internet facilities are available in every department in computer labs and all classrooms for video lectures by using LCD projectors.

2.4 Teacher Profile and Quality

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

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document

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

Response: 9.05

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
23	17	15	13	12

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

2.4.3 Teaching experience of full time teachers in number of years

Response: 5.72

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

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

Response: 1.25

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	2	3	4

File Description	Document
e-copies of award letters (scanned or soft copy)	View Document
Institutional data in prescribed format	View Document

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

Response: 0.74

2.4.5.1 Number of full time teachers from other states year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
6	2	0	0	0

File Description	Document
Any additional information	View Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document

2.5 Evaluation Process and Reforms

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

Response:

As an affiliated institution of JNTUK, evaluation norms of the university are followed. The university has adopted major reform in evaluation by introducing Credit based grading system from the academic year 2016-17 and the institute has adopted the same. The college has adopted method of assessing the academic performance of the students on a continuous basis.

Continuous assessment in theory subjects:

- As per the JNTUK regulations, two internal midterm exams will be conducted. As per R13 regulation the better performance in either of the examinations is considered. Whereas, as per R16

regulation the better performance will carry 80% and other one carries 20% of weightage

- 25 marks allotted for internal exams, 5 marks for Assignments and 70 marks for external exams. In this frame work, the college conducts the following components as part of internal exams.
- Marks will be awarded for all the above activities and the average is taken as the assignment marks. Pre-final exams are conducted for I year students which serves as a prelude to the university end semester examination.
- To bring uniformity in evaluation in scripts by fresh recruits, the scripts are scrutinized by seniors randomly and anomalies are pointed out to them.
- Special tests for slow learners.
- More assignments are given for practice.
- Each students is encouraged to give seminars in the class

Continuous assessment in practical subjects:

- For practical subjects, there shall be a continuous evaluation during the semester for 25 sectional marks and 50 end examination marks. To improve the outcome of laboratory work done in a semester, out of the 25 marks for internal, day-to-day work in the laboratory shall be evaluated for 15 marks and internal examination for practical shall be evaluated for 10 marks conducted by the concerned laboratory teacher.
- In this regard, the faculty will do the keen evaluation of day to day performance of the student for every experiment which includes regularity, procedure, results, viva and promptness in submission of records and the marks obtained are recorded against each experiment in the student record.

Continuous assessment in projects: As part of the internal assessment of projects which are done in III & IV years, college follows the following framework. Project Review Committee (PRC) is formed for every department consisting of Head of the Department, Project In charge and two senior faculty members to identify the projects.

- Students are formed into groups of 4 or 5. The groups collect the literature on a topic and review the literature and submit the title with objective, plan of action for title approval to PRC.
- Project Review Committee assesses and approves projects for each group. After obtaining the approval of the PRC the groups are allotted with a faculty member as a guide for the project and can start up the Project work.
- Review meetings are conducted for the continuous assessment in project Review1 covers abstract & block diagram, Review 2 covers implementation and Review 3 covers final results with code.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

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

Response:

There is complete transparency in the internal assessment. The criterion adopted is as directed by the university.

- At the beginning of the semester, faculty members inform the students about the various components in the assessment process during the semester.
- The internal assessment test schedules are prepared as per the university and communicated to the students well in advance.
- To ensure proper conduct of formative tests, two invigilators are assigned to each hall. Evaluation is done by the course handling faculty members within three days from the date of examination.
- The corrected answer scripts at random are verified by HOD to ensure the standard evaluation process.
- The corrected answer papers of the students are distributed to them for the verification by the students and any grievance is redressed immediately. The marks obtained by the students in internal assessment tests are displayed on the department notice board.
- The marks obtained by the students in internal assessment tests are uploaded periodically on the university web portal along with their attendance.
- Noting the values in observation and validating the theoretical aspects student must submit lab record regularly.
- Day to day performance of the students is assessed for every experiment which includes regularity, performance, viva and the promptness in submitting the record.
- For lab courses, the marks/grade scored by the student for each experiment is indicated in the observation/record. The independent learning, practical approach to the real-time applications is tested by viva-voice for laboratory courses.
- For the quality of the projects, the evaluation is done by Project Review Committee along with the project guides.
- To ensure the transparency and curb the mall practices the university has introduced jumbling system and theory end examinations are conducted at a center other than the college.
- The end examination for the laboratory and projects shall be conducted with internal and external examiner appointed from the other colleges as decided by the University.

Redressal of grievances at institute level:

Departmental Level: The continuous evaluation of students is carried out by faculty regarding theory lectures, labs, assignments, unit tests. The midterm marks are allotted based on defined strategies and displayed on notice board. Query if any is discussed with faculty and HOD.

College Level: The Institute appoints a Senior Supervisor for smooth conduction of examinations of JNTU. If students are facing any problems, they are solved by the institution Chief Examination Officer appointed by the university. The grievances during the conduction of online/theory examinations are considered and discussed in consultation with the Principal and if necessary forwarded to the university by examination section.

Redressal of grievances at University level: The queries related to results, corrections in mark sheets, other certificates issued by university are handled at JNTU examination section after forwarding such quires through the college examination section. Students are allowed to apply for revaluation, recounting and challenged evaluation by paying necessary processing fee to university if they are not satisfied with the university evaluation through college.

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

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

Response:

Redressal of grievances at institute level:

Level 1 - Departmental Level: The continuous evaluation of students is carried out by faculty regarding theory lectures, labs, assignments, unit tests, prelim exam, etc. The term work is allotted based on the defined strategies and query if any, discussed with faculty and HOD. Issues of any term work like shortage of attendance, mid marks, etc. are complained which was rectified at the departmental level after necessary corrections.

Level 2 – College Level: The Institute appoints a Senior Supervisor who controls all the online/ theory examinations, displays schedules, instructs to the students for smooth conduction of examinations of JNTUK. If students are facing any problems, they are solved by the institution Chief Examination Officer (CEO) appointed by the JNTUK. The grievances during the conduction of online/theory examinations are considered and discussed in consultation with the Principal and if necessary forwarded to the JNTUK by examination section.

Redressal of grievances at University level:

Examination form filling, exam seat allotment, results, photocopy, revaluations etc. are coordinated by examination section to JNTUK. The result queries, printing mistakes of mark sheets, corrections if any are handled at JNTUK examination section after forwarding such quires through the college examination section. Any queries of students during online examinations are communicated to the JNTUK immediately and get clarified to satisfy the student who is appearing for online examinations.

The same policy is also adopted for JNTUK theory examination. The queries related to errors in mark sheets, evaluation, photocopy are totally handled by JNTUK in which the role of institute is to take the follow up with JNTUK till the student satisfies.

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

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

Response:

The academic calendar will be issued by the Affiliating University JNTUK, which has to be followed

meticulously. Academic activities of the institute are scheduled in the academic planner in tune with university academic calendar at the beginning of each academic year. It is mandatory for students / faculty to strictly adhere to the academic calendar for completion of academic activities.

- The academic year shall be divided into two semesters. The Semester that begins in June shall be called as even semester and the semester that begins in December is known as odd semester.

- The total duration of the each Semester shall include registration, teaching, continuous internal evaluation, tests, end of semester examination, evaluation, result declaration & vacation.

- The academic calendar issued by the affiliating university forms the basis for designing college academic planner.

- First midterm examination shall be conducted for the first 3 units of syllabus second midterm examination shall be conducted for the remaining 3 units as per the dates specified by the university.

- The internal examinations for practical sessions will be conducted before the end theory examinations as per the schedule given by the university.

- The end examination shall be conducted as per the timetable fixed by the university.

College should upload the internal marks of theory subjects, lab work, mini project, technical seminar, comprehensive viva and main project in the stipulated time given by University.

Hence being an affiliated college, it adheres to the academic calendar decided by the university.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.6 Student Performance and Learning Outcomes

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

Response:

The college has clearly stated all program outcomes, program specific outcomes and course outcomes for all programs. The faculty, industry and alumni are actively involved in defining program outcomes and program specific outcomes of all programs in the college.

- The course outcomes of all the programs are made known to the students and staff by displaying on the website of the college.

- The affiliating university has defined the course outcomes at the end of each course and printed in the academic regulation books.

- Individual copies of the regulation books are distributed to all the students which contain details of the course outcomes.

- Regulation books are also available in the library for student access. Orientation program for all the new students is conducted every year at the beginning of the academic year to educate about all course outcomes.

- At the beginning of the academic year all the faculty members will prepare the course files and laboratory manuals. The course file contains Department vision, mission, course syllabus, course outcomes, individual time table, program objectives, program outcomes, various mapping matrices, unit plan, lesson plan, course plan, unit wise material, direct and indirect assessments and student grading sheets.

The university has adapted OBE and the same is being implemented. Program Outcomes (PO's) and Course Outcomes (CO's) are well defined for each program. This is the shared information or resource among all the stake holders of the university system. The institution also adapted OBE and the same is being implemented and articulated its Program outcomes which are given below.

1. Engineering knowledge
2. Core Problem analysis
3. Design / development of solutions
4. Conduct investigations of complex problems
5. ICT Create
6. Societal Needs
7. Environment and sustainability
8. Values and Ethics
9. Team Work
10. Communication
11. Project management
12. Life-long learning

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

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

Response:

Attainment of Course Outcomes: The course outcomes were prepared by the action verbs of Blooms

taxonomy. The assessment of course outcomes are as follows: Direct assessment:

1.Internal Mid Examinations and Assignments. Two Mid Examinations are conducted for students as prescribed by the university norms. (each for 25 marks), along with 2 assignments in a similar pattern as above (1st mid shall be from 3 units, 2nd shall be from remaining 3 units), and the average marks of the two examinations secured in each subject shall be considered as final marks for the internals. Each question in the mid exam is mapped to the course outcomes. It is expected that a student should score at least 80% of Maximum marks of the course for the attainment.

2. End Semester Examination For theory subjects the distribution shall be 25 marks for Internal Evaluation and 70 marks for the End Examination. It is expected that a student should score at least 40% of Maximum marks of the course for the attainment of course outcomes. The marks scored by the students in Internal Examinations, Assignments and End Semester exams are used to assess the attainment level of the whole course and the course outcome attainment level. 3. Labs For Labs, there shall be a continuous evaluation during the year for 25 internal marks and 50 end examination marks. Out of 25 marks for the Internal, day to day work in the Laboratory shall be evaluated for 15 marks and internal examination shall be evaluated for 10 marks conducted by the concerned laboratory Faculty. The end examination shall be conducted with external examiner and laboratory teacher.

The method of assessment process of Course Outcomes of Computer Science and Engineering program are as follows:

The various Assessment tools are:

Direct Assessment:

- Performance in Mid Examinations
- Performance in End Semester Examinations
- Laboratory Tests
- Project Evaluation

Indirect Assessment:

Feedback from the students in the form of Program Exit Survey

Exit Survey on Program Specific Outcomes.

Direct Assessment Tools:

Mid Examinations:

This type of assessment is carried out through the mid examinations which are held twice a semester. Each and every mid examination is focused on attaining the course outcomes.

Mid examinations include Descriptive, Online (Quiz) and Assignment.

End Semester Examinations:

End Semester examinations is a metric for evaluating whether all the Course outcomes are attained or not. End Examinations focus on attainment of course outcomes through descriptive mode.

Laboratory Tests:

Day to day evaluation of student's performance in the laboratories with respect to conduct of various experiments is also taken as criterion for attainment of course outcomes.

Project Evaluation:

Evaluation of the student based on the project work is also taken as an important criterion for attainment of course outcomes.

Indirect Assessment Tools:

Program Exit Survey:

This survey is conducted at the end of B.Tech program to analyze all the program outcomes.

Exit Survey on Program Specific Outcomes:

This survey is also conducted at the end of B.Tech program to analyze all the program specific outcomes.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.6.3 Average pass percentage of Students

Response: 77.37

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

Response: 383

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

Response: 495

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Database of all currently enrolled students	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

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

Response: 9.48

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

2016-17	2015-16	2014-15	2013-14	2012-13
3.7	2.63	1.75	1.40	0

File Description	Document
e-copies of the grant award letters for research projects sponsored by non-government	[View Document](#)
List of project and grant details	[View Document](#)

3.1.2 Percentage of teachers recognised as research guides at present

Response: 1.32

3.1.2.1 Number of teachers recognised as research guides

Response: 3

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

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

Response: 0.03

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

Response: 14

File Description	Document
List of research projects and funding details	View Document
Supporting document from Funding Agency	View Document

3.2 Innovation Ecosystem

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

Response:

The institution has created an ecosystem for innovation including incubation centre and other initiatives for creation and transfer of knowledge. The faculty members are empowered to take up research activities by utilizing the existing facilities. The college has established Research and Development Cell, an Incubation centre and Entrepreneurship development cell, to monitor and address the issues related to enhancement of research, innovation and entrepreneur skills among the faculty and students.

By inspiring with the call of the Hon'ble Prime Minister, **Shri Narendra Modi's** to 'Make in India' Initiative, we encouraged the students to make the start-up programmes in collaboration with the GBI. Along with that we also conducted a short term training program which is aimed to benefit the School/College dropouts and unemployed youth under PMKVY TI Scheme.

R & D Cell:

The institution recognizes the importance of research and development for the long term academic growth as a knowledge sharing method. The Institute Established a Research and Development Cell to address the issues related to research and to create awareness in the students and faculty. The Functions of the R & D Cell Includes:

- Encourage faculty to take research initiatives and proposals to prepare

- Proposes to conduct/ participate workshops, seminars, conferences, training programs, and arranging of guest lecturers by inviting eminent personalities.

- Encourage faculty to publish their findings in National/International Journals/Conferences and recommend to management for fonancial incentives.

- Encouraging the faculty and students to attend and present Research Papers in National/International level seminars and conference by providing incentives.

- Recommends to the management for establishing the required infrastructure for doing research work by modernizing the Existing laboratories to meet the current industrial requirements.

- Encourages the students to visit research oriented labs such as ISRO, NSTL, DRDO, BHEL, Steel Plant and Software Industries.

Incubation Center:

Incubation center helps the student community to handle innovative projects, which will help to enhance their application of knowledge.

- Provide a forum to extract new innovative ideas based on discussion among students, faculty and industrial experts.

- Organize industrial visits for students and faculty to understand standard industrial approaches.

Results Achieved:

- Faculty published/presented more than 400 of papers in National/International Journals/Conferences.

- Successfully initiated **two startups: getMyBooks and getMyTailor** and received appreciation from State Government.

Entrepreneurship Cell:

Entrepreneurship Cell helps the student community to make a survey in identifying entrepreneurial opportunities in IT, ITES and core sectors.

- Invite eminent personalities from small and large scale industries, banking sectors to organize seminars and workshops to motivate the students to become entrepreneurs.

- Educate and equip, early stage and potential entrepreneurs to develop entrepreneur skills in the student community

- Make the students to Interact with community and understand their requirements and develop systems to enhance the output of the work.

- Coordinate and get the support of the entrepreneurs through Entrepreneurship cell to enhance their Entrepreneur skills of the students among themselves.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

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

Response: 65

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
15	18	16	9	7

File Description	Document
Report of the event	[View Document](#)
List of workshops/seminars during the last 5 years	[View Document](#)

3.3 Research Publications and Awards

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

Response: Yes

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

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

Response: Yes

File Description	Document
List of Awardees and Award details	[View Document](#)
e- copies of the letters of awards	[View Document](#)

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

Response: 1.67

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 5

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	[View Document](#)
Any additional information	[View Document](#)

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

Response: 0.5

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
103	91	107	63	70

File Description	Document
List of research papers by title, author, department, name and year of publication	[View Document](#)

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

Response: 0.16

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
46	29	29	10	25

File Description	Document
List books and chapters in edited volumes / books published	[View Document](#)

3.4 Extension Activities

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

Response:

Students are motivated to take part and associate themselves in various programs that promote good citizenship and social service to community. The students are actively participating in community development programmes. The students participated in various activities like organizing blood donation camps in every semester, and conducting health check-up programmes once in a year and so on. Through the extension activities, college promotes and imbibes students with social justice and responsibility. The active participation of the students in social service activities gives them an opportunity to understand the life style and standard of living of the underprivileged. National Service Scheme is a community service programme sponsored by the Ministry of Human Resource Development, Govt of India. This scheme promotes national solidarity. It would be possible to awaken the villagers and slum dwellers to their reponsibilities and develop the confidence, to tackle their common problems with energy, enthusiasm and in a co-operative spirit, based on mutual aid and self-reliance. The motto of the National Service Scheme is "NOT ME BUT YOU." This expresses the essence of democratic living and upholds the need to appreciate the other man's point of view first and to show consideratoion for fellow human beings. It also underlines that the welfare of an individual is ultimately dependent on the welfare of society as a whole. Therefore, the aim of the NSS is to demonstrate this motto in its days to day programme.

Some major activities that we conducted are: In collaboration with the Local Non Government Organizations like Lions club, Rotary club and Red Cross, organized various activities such as Environment Enrichment and Conservation, Health, Family Welfare & Nutrition Programs and Social Service Programs like Blood Donation camps (twice a year), Tree Plantation - Vanam Manam- plants distribution, Free Medical Camps (eye & dental), AIDS Awareness campaigns/ programmes/ Rallies, Commemoration and observance of all Important days and occasions, Road Safety week, **Swachh Bharath**, Food Donation, Visit to old age homes and orphanages donating fruits, medicine, study material, blankets etc., Regular Yoga training, Special classes to the school children in adopted village, Personality development training activities, Digital literacy campaigns, Cleaning and bleaching of public places -schools, Panchayat offices, temples and community halls, Adult Education- Physical, Spiritual and Psychological Counselling for the volunterrs and students.

Apart from these Regular Activities, we also undertake a one week Special Campaign Programme which is purely planned and scheduled for the benefit of the adopted village with a specific theme every year. The college faculty along with the students are participated and rendered meritorious services for Live Webcasting in connection with General Elections-2014 on 07-05-2014 which organized by office of the District Collector and Election Authority, East Godavari District. Students were created awareness on Right to Vote, Voter enrollment and Voters day Celebrations. Students rendered meritorious services for creating awareness on Women Empowerment, Literacy Programmes.

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

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

Response: 8

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
3	3	1	0	1

File Description	Document
e-copy of the award letters	[View Document](#)
Number of awards for extension activities in last 5 years	[View Document](#)

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

Response: 52

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

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

File Description	Document
Any additional information	[View Document](#)
Number of extension and outreach programs conducted with industry,community etc for the last five years	[View Document](#)
Reports of the event organized	[View Document](#)

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

Response: 88.91

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
1867	1773	1606	1653	1627

File Description	Document
Report of the event	[View Document](#)
Average percentage of students participating in extension activities with Govt. or NGO etc.	[View Document](#)
Any additional information	[View Document](#)

3.5 Collaboration

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

Response: 208

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
49	50	49	42	18

File Description	Document
Copies of collaboration	[View Document](#)
Number of Collaborative activities for research, faculty etc.	[View Document](#)
Any additional information	[View Document](#)

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

Response: 20

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
6	5	4	1	4

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

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

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

Response:

The institute is located in a lush green campus with a serene atmosphere, with a total extent of 11.27 Acres of land. Management interacts frequently with various stake holders about the changing trends and requirements for creation and enhancement of the infrastructure facilities. Infrastructure is optimally utilized by assessing requirements and availability periodically through reviews.

Apart from the adequate availability of physical infrastructure, the institute has planned for future expansions or additional requirements to promote a good teaching-learning environment. Creation and enhancement of infrastructure is undertaken. Some of the initiatives those are available:

1. Almost all the **Class rooms & Computer Labs** are equipped with **LCD**s to promote **ICT based** teaching and learning environment.
2. As per the policy matter, the institution has developed good infrastructure like well Equipped **Laboratories**, **Library**, and separate **Hostel** facility for Boys & Girls students on the campus, **Canteen**, **Transport** Facility, **Auditorium** and **Playgrounds**.
3. bandwidth is enhanced to **64 Mbps** to encourage e-Learning and self learning.
4. Department (s) have initiated **Student Activity Centers** to carry out Co-Curricular activities
5. A good number of books are made available to the faculty & students in the **Central Library**. In addition to this several journals are subscribed and made available.
6. Separate **Digital Library** is made available to access Online Lectures/Videos/e-Journals etc.
7. **NPTEL Local Chapter** is available for the students/faculty to get training and certification of different courses.
8. Implementation of **Byndr - Learning Management System** to provide material/assignments/videos related to the subject and interaction between the faculty and students.
9. Every Department is equipped with separate Tutorial rooms, Seminar Hall with required **Audio visual equipment** to conduct seminars/workshops.
10. Every Department has **adequate computer facility** with the latest configuration and required software's are available.

The details of Infrastructural Facilities are annexed.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor) gymnasium, yoga

centre etc. and cultural activities

Response:

The institution is committed to motivate students for participating in various extracurricular activities by ensuring consistent motivation. The necessary facilities are provided and adequate funds are allotted. The Sports and Cultural Committees supervise the extracurricular activities. The institution is having a separate Physical Education Department. Institute has employed two full time qualified Physical Directors to train the students and to promote interest in **Sports and Games**. The college provides excellent Sports and Games facilities in cricket, football, basket ball etc. **Gymnasium** with required facilities is made available to the students to keep their body fit**. A yoga center** is also incorporated in the college campus with a yoga trainer. The students who participate in the sports activities or other extracurricular activities are provided with extra classes so that the time they have spared for various activities can be compensated.

Students of our institute bagged **several prizes** in individual/team events at inter-collegiate, zonal and university sports meets. Annual Inter/Intra Sports meet will be held to both students and staff to showcase their talents. College **provides TA/DA to players** which include expenses for special diet as per their requirement. College team is provided with Sports Kits which include uniforms and other requisite materials. Students, who have played Inter University / All India sports, get full concession in tuition fees and who, have played state level sports, are entitled for 50% of concession in their tuition fees. College management provides cash prize/certificates/mementos etc. to deserving sports persons to motivate them to achieve excellence in their pursuit of sports. Our students excel in sports and games and are champions in University, State and National events.

To promote the inherent talents of the student & faculty the institute has various cultural clubs and organizes music concerts, drama shows, dance competitions etc. Various cultural and extracurricular activities like folk dances, Classical singing, Group singing, theatrical items, traditional heritage items, fine arts items, Quiz, Literary items are offered to the students during the college annual day COLOURS Youth Fest. To facilitate all the cultural/extra-curricular activities of the institute, seminar halls & open auditorium are made available. Talented students/faculty acts as mentors to support the aspirants and encourage them to participate in these cultural/extracurricular activities. Students will get every opportunity to exhibit their talents in different events like Cultural day, Fresher's/Farewell functions, College Annual day etc.,. Students are also encouraged to participate in different competitions held at various institutions.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

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

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 63

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	[View Document](#)
Link for additional information which is optional	[View Document](#)

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

Response: 43.13

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
300.45	278.22	61.20	25.73	20.52

File Description	Document
Any additional information	[View Document](#)
Audited utilization statements	[View Document](#)
Details of budget allocation, excluding salary during the last five years	[View Document](#)

4.2 Library as a Learning Resource

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

Response:

The library of the college is situated at a place which is easily accessible by all the students and staff. Our library equipped with modern technology and upgrades as and whenever new technology emerges. All the departments of the college have a separate department libraries having access to the students/staff. The information regarding new arrivals is publicized on the notice board. Our Library is automated using a Software EZ Library (Version 10.0.9.24) to automate library. A library management system (LMS) is an enterprise resource planning system for library, used to track items owned, issued and returned. This system enables efficient library administration to cater user services.

The Software has following modules:

1. Circulation - lending materials to patrons and receiving them back. In the library circulation module provision is made to issue/return/renew for books circulation, non-print material circulation (CD, DVD, etc.) and serial circulation (Print Journals/Magazines).
2. Setting module - generate the barcodes, listing of books (by authors, publishers, and suppliers), printing of member barcode, etc.
3. OPAC - Online Public Access Catalog for searching the library resources.

Using the OPAC, the user can search the library resources as per follows:

1. General Search: Title, Author, Publication, Keywords, Classification no.
2. Advance Search: The searching can be done with various combinations like Title, Author, Publication Keywords, and Classification no.
3. Accession Search: Search can also be done through the accession numbers without remembering the title or author of the book. This facilitates fast & accurate searching.

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

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

Response:

The College has the best practice of collecting and maintaining rare books, manuscripts, special reports or any other knowledge resources to the students and faculty to use as resource materials for enrichment of their knowledge, research and exploring new things. Apart from the standard books, our library maintains some rare books like Knowledge Encyclopedia, Aircraft Performance, Power system stability & control and Upgrading & Repairing PC to improve their knowledge in different skilled areas. Along with these, our library is stocked with a bunch of books for competitive exams like GATE, GMAT, and UPSC. Together with these, some biographies of the well-known inspirational authors like Steve jobs, Rupa Co etc., The Full Details of the list of rare books are attached as an information file given below.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

4.2.3 Does the institution have the following:

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership

4.e-books

5.Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

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

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

Response: 10.02

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
8.04	8.53	15.63	9.85	8.03

File Description	Document
Any additional information	[View Document](#)
Details of annual expenditure for purchase of books and journals during the last five years	[View Document](#)
Audited statements of accounts	[View Document](#)

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

Response: Yes

File Description	Document
Details of remote access to e-resources of the library	[View Document](#)

4.2.6 Percentage per day usage of library by teachers and students

Response: 40.09

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

Response: 1030

File Description	Document
Any additional information	[View Document](#)
Details of library usage by teachers and students	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The institution has good state of art infrastructure to meet the educational requirements of the students. The entire campus is optically networked between the buildings using the cables for connectivity. In addition, Wi-Fi facility is provided in all the buildings with a dedicated bandwidth of 64 Mbps. In addition to each building /department, other important places like examination center, remote center for online workshops, placement cell, and library are connected with uninterrupted internet facility. The institute continuously keeps upgrading the internet bandwidth as latest teaching methods demand the usage of MOOCS/ NPTEL/HACKTHON/Webinars etc. A separate server with HDD is being maintained exclusively for NPTEL video streaming within the campus. The institute keeps upgrading the software packages and also purchases software currently being used in the industry to make the students industry ready. The institution continuously upgrades multimedia facilities like audio-visual equipment and also having seminar halls which facilitates the video conference for effective learning process. . In addition to this all the departments of the institution are equipped with latest projectors for effective teaching through video lectures. The Faculty members, carry Laptops connect to a LCD Projector with Wi-Fi facility. For better visualization of the subject topics, the faculty is encouraged to use the ICT facilities. Also the students are supported by the faculty to present their seminar topics using the ICT facilities.

As a policy, ACOE insists on the usage of ICT in its teaching methodologies, right from the inception along with the traditional chalk & talk method in the campus. This resulted in the generation of e-learning materials right from the beginning. We have e-Resources Committee which continuously encourages and provides access through college website. Most of the presentations and submissions are made through online facilities. In ACOE, all the 600 computers are connected with LAN and internet using LAN 10/100 Mbps cables. It gives information via connectivity of **64 Mbps** internet bandwidth. ACOE is Wi-Fi enabled to enjoy the internet irrespective of location in the campus. The Computer laboratories are equipped with systems of latest configuration and required software, and are available to all. Our college

has very strong IT support which takes care of the updates of its IT facilities in terms of hardware and software upgrades, installation of new Wi-Fi devices. ACOE maintains thrust on this vital area to ensure continuous and consistent availability in tune with the growing needs as well as changing technologies. The institute places lot of importance on e–learning by continuously enhancing the bandwidth as well as the devices according to the current needs. Students can access and submit their assignments for every course in the college through LMS software i.e. Byndr provided. The faculty utilizes the internet facility on the campus to answer the student's queries through the LMS software. The institution also conducts the mock examinations under our Campus recruitment team through Moodles, which is also free LMS software.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

4.3.2 Student - Computer ratio

Response: 3.9

File Description	Document
Student - Computer ratio	[View Document](#)

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
<5 MBPS

5-20 MBPS

20-35 MBPS

35-50 MBPS

Response: >=50 MBPS

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

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

Response: No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 50.16

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
104.56	90.22	64.25	176.90	94.86

File Description	Document
Audited statements of accounts.	[View Document](#)
Any additional information	[View Document](#)
Details about assigned budget and expenditure on physical facilities and academic facilities	[View Document](#)

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

Response:

The institution has the structured system for creation and maintaining of infrastructure to facilitate effective teaching and learning. The institution has the policy of replacing or upgrading the existing equipment to meet the changes in the syllabus made by the university from time to time. All the Class rooms, Laboratories, Computer labs and Library are maintained cleanly. All the equipment they possess is keeps track using the stock registers separately.

Classrooms:

Adequate number of class rooms with LCD projector are available and each section is allotted with a specific classroom. In addition to this, tutorial rooms are available for each department to conduct special sessions.

Laboratories:

Sufficient lab slots are available and based on the curriculum, required lab slots will be allotted to each batch of students. The students will complete the lab work in those sessions. Students will be working as a group of 2-3 members. The qualified Lab Technicians are assisting the faculty during the lab sessions.

Computer Labs:

Computer Labs are available to the student and students can utilize them with 1:1 student computer ratio. Required lab slots will be allotted basing on the curriculum for each section. Student can request for Additional lab hours whenever they find free time depending upon the availability of the computer labs. The software's are updates according the current needs of the industry to make the students employable. The Hardware Technicians and programmers are continuously supports without interrupting the lab sessions.

Library:

Central Library is equipped with sufficient number of volumes for each title related to different subjects. Sufficient copies of each title are maintained to cater the needs of the students and faculty. The volumes are updated to the current curriculum requirements for the needs of the students. The students are allowed to borrow 4 books and they need to return back after 15 days. Multiple copies of each title are made available in the reference section. Students are having the facility of booking a title if it is not currently available in the library. Library works beyond working hours i.e. from 8.00 am to 8.00 pm and during examinations it will be extended up to 10.00PM. Digital Library has been setup with 30 high-end systems connected with high- speed network connectivity to access all e-resources, video and e- learning programs. Separate department library with copies of some standard/reputed text books, in addition to 3-5 copies of each text/reference books as per syllabus are made available for ready access of faculty/students.

Sports complex & other facilities:

Amenities like GYM, Aerobic centre, sports and games facilities, round the clock medical and ambulance facilities are provided to create a work culture of utilization of resources beyond the working hours. For day scholars who stay back to utilize the resources beyond college hours separate bus facility is made available to reach their destinations.

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

Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 68.74

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
1510	1529	1277	1224	1077

File Description	Document
Any additional information	[View Document](#)
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)
Upload self attested letter with the list of students sanctioned scholarships	[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: 16.73

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
574	451	300	260	62

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: A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	[View Document](#)
Any additional information	[View Document](#)
Link to Institutional website	[View Document](#)

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

Response: 100

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
2094	1954	1905	1873	1767

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

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

Response: 93.59

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
1920	1952	1693	1737	1674

File Description	Document
Details of the students benifitted by VET	View Document
Any additional information	View Document

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

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document
Any additional information	View Document

5.2 Student Progression

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

Response: 43.21

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
221	220	198	187	214

File Description	Document
Any additional information	View Document
Details of student placement during the last five years	View Document
Self attested list of students placed	View Document

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

Response: 15.06

5.2.2.1 Number of outgoing students progressing to higher education

Response: 75

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document

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

Response: 71.63

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

2016-17	2015-16	2014-15	2013-14	2012-13
31	15	8	5	5

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
36	21	12	8	7

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	[View Document]
Upload supporting data for the same	[View Document]

5.3 Student Participation and Activities

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

Response: 151

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
40	25	24	17	45

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	[View Document]
e-copies of award letters and certificates	[View Document]
Any additional information	[View Document]

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

Response:

The institute strongly believes in giving opportunity to the students in supporting the authorities and the faculty members in running all the affairs of the institute viz.; curricular,   co curricular and extra curricular activities. For this reason, the institute provides the student community with all the possible

opportunities to participate in the various academic and administrative bodies.

The various academic and administrative bodies and their activities which have student representations on them are:

1. **Anti Ragging Committee**: This committee will look into the matters of any ragging issues within and out of the campus. This committee consists of the Management representative, principal, HoDs, AO, and student representatives (CRs) from all the branches of engineering.

2. **Discipline Committee**: This committee ensures the discipline and decorum in the premises. The class representatives are elected from both the genders for each class and they periodically meet with principal, HoDs and other members of the body.

3. **Women's Grievance Cell**: This cell consists of all the GCRs and some of the women faculty members along with the principal to mainly focus on the problems related to the girl students and female staff. Harassment and eve-teasing is strictly viewed by this committee and the defaulters are punished strictly.

4. **Campus Green Committee:** This committee consists of both faculty and students to look after the ecological and aesthetical aspects of the campus. The students in the committee are encouraged to plan and implement activities like periodical tree plantation, Rain water harvesting, saplings maintenance, nursery management etc. in coordination with the well trained landscapers and gardeners.

5. **NSS:** This unit has one trained programme officer and 100 volunteers taking up different service oriented activities in and around the campus. Our volunters are totally committed for the community service through which they enhance their personality development. We have adopted a small near by village called Surampalem, which is 3km away from our college.

6. **College Cultural Committee (C3):** The so called Cultural committee is constituted with student members to look into all cultural aspects of the campus. We have departmental activities, regional celebrations and festivals and other events wherein the committee organizes cultural events and programs to bring out the best in the students.

7. **Sports committee:** College Sports Committee is constituted with Principal as chairman and Physical director as President and students from all the branches form the members of the committee. Student players take the lead role in organizing periodical and occasional sports and games competitions apart from Annual Sports Meet.

8. **Library committee:** Student's role in the library committee is highly commendable because it is the student members who recommend the books and journals that they feel highly essential and beneficial for their personal and professional growth both in reference section and issue section. This committee also looks into the matters of literary activities and conducts various competitions periodically.

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

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

Response: 47

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
56	54	46	40	39

File Description	Document
Number of sports and cultural activities / competitions organised per year	[View Document](#)

5.4 Alumni Engagement

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

Response:

Aditya College of Engineering has its alumni association which was started in 2013 with 20 members initially. It has a governing body with President, Vice-president, Secretary, Treasurer and General Secretary. President is a senior student who looks after all the meetings, financial aids, and organizing various events with the help of the members of the association and under the of guidance of faculty coordinators. Vice-president discharges his duties in the absence of the President. Treasurer takes care of the financial issues and other responsibilities assigned to him by the President. The Management members take part actively in all the activities performed by the alumni association. Aditya feels proud of its Alumni association which extends its direct and indirect help to the management and to the students through various means. Top alumnus are placed in prestigious companies like, CGI,TCS,INFOSYS, Tech-Mahindra, Caliber Technologies, Amazon Ltd etc., Most of them are handling responsibilities like, Software Engineers, R&D Engineers, NDT Engineers, System Engineers, Tech Support Engineers, Software Testers and other government organizations.

The alumni association contributes significantly through financial and non-financial means. They provide structured feedback about the syllabus, exam patterns and infrastructural facilities offered by the institution and the valid suggestions are implemented. It shapes the moral, intellectual and psychological attitude of the students as they get number of chances to participate in learning, discussing, and researching about the practical knowledge.

Alumni meets are conducted every year to help their juniors by creating awareness about the job opportunities accessible in the present world, be familiar the strategic methods to meet the necessities of diverse competitive exams like GRE, TOFEL, and other job oriented exams like RRB, SSC, Public service commission's etc., Alumni help students to aware about special scholarships and free ships available to different categories of students by governmental and non-governmental organizations based on their qualification and skills. Especially, alumni staying in abroad motivate other students to find their opportunities in other countries. Arranging guest lectures, internship programs, conducting workshops and

seminars, providing training programs and organizing skill development programs to enhance the knowledge of the students in a variety of technical and non technical fields are some of the most important responsibilities handled by the association. The association assists economically poor students by endow with financial aid and by giving meritorious awards to the students who are good at academics through NGOS like Sadhya foundation, Helping hands etc. in which the Alumni Association are actively involved.

College alumni association has its portal/link to get membership forms for the students. Students who have completed their B.Tech course can register their names in the portal by providing their basic information. In toto, Aditya's alumni association is a great strength to management as well as to the students which builds an uncompromising bond among students.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

5.4.2 Alumni contribution during the last five years

<1 Lakh

1 Lakh - 3 Lakhs

3 Lakhs - 4 Lakhs

4 Lakhs - 5 Lakhs

Response: ? 5 Lakhs

File Description	Document
Any additional information	[View Document](#)
Alumni association audited statements	[View Document](#)

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

Response: 5

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

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

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

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 induce higher planes of learning by imparting technical education with International Standards, Applied Research, Creative ability, Value based instruction to emerge as a premiere institute.

MISSION:

Achieving academic excellence by providing globally acceptable technical education by forecasting technology through

- Innovative Research And development
- Industry Institute Interaction
- Empowered Manpower

The vision statement defines the institution's distinctive characteristics in addressing the needs of the society and the students, keeping in view the traditions, value orientation and vision of the future. ACE through its mission statement strives over the past decade to meet the challenges brought out by the fast paced development in technological inputs in various spheres and the fast growing competitive economy and man power.

ACE develops and trains its students with sound educational background supported by practical skills to adapt to the pace of development. The quality education imparted as per the syllabus framed by the affiliated university JNTUK and innovated with the latest inputs from the current scenario by qualified faculty and experts lay emphasis on practical skills and social relevance of the subjects taught which gives the students passing out, the ability to adapt the technical environment in real time with bright prospects for growth.

The tradition of the institution has always been to create a technologically competent man power with the correct attitudes, skill sets, knowledge and be creative and an innovator. The vision for the future will always be to be among the best of the institutions for engineering and technology, to achieve Deemed University status, to introduce innovative methodology, to include futuristic subjects of relevance, to increase R&D activity with publications in high impact rated Journals and to encourage entrepreneurship among the students.

ADITYA PHILOSOPHY

- To groom the students to become intellectually creative and professionally competitive.
- To explore the opportunities in the professional fields
- To channelize the activities and tune them in heights of commitment and sincerity, the requisites to

climb the never ending ladder of Success year after year.

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

6.1.2 The institution practices decentralization and participative management

Response:

The institution emphasizes in enhancing quality of education. It encourages and inspires the staff by creating congenial atmosphere.

The institution believes the culture of decentralized governance system

- The head of the department has the authority in deciding the academic activities and delegating the responsibilities to the staff members of the departments.

- The head of the department decides on timetable, subject allocation, purchase of equipment and consumables, organizing guest lectures and workshops, recommend necessary industrial visits and implant trainings to achieve its goals, vision and mission.

- HODs are empowered to plan and execute and giving free hand to their subordinates in ensuring institutional development, educational system development and student & community.

- All HODs are involved in decision making in all policy matters.

- Faculty are nominated as members in the Governing Body which is the highest body in decision making.

- All HODs are members of College Academic Committee which decides on academic practice.

- Many of the faculty are included as members in various committees.

- College encourages faculty and students to share their knowledge through discussions, presentations and seminars. Besides sharing knowledge and ideas, staff cares for all the students.

- The organization set up a safety-net to all the students to help those who feel insecure about their education, life, future, etc., Staff and students maintain a good rapport with which they can solve many problems.

Participative management:

The college promotes the culture of participative management which enables staff and students to voice their opinions and suggestions which are considered for improvement. All academic and administrative activities are decentralized and decisions are taken based on discussions and deliberations at various levels

of staff meetings with Principal and HODs. All the stakeholders are involved in decision making.

- To participate in preparation of Self Study Report for NAAC

- To take part in college level activities. The Principal coordinates between departments, administration and management

- The college parents- teachers associations in which parents and selected staff are members to discuss managerial affairs if necessary.

6.2 Strategy Development and Deployment

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

Response:

Yes, the institute has a formally stated strategic plan. The most important of the strategic plan is to develop quality of education in line with vision and mission of the institution. The strategic plan deployed and reviewed from time to time obtaining feedback from stake holders and various academic and administrative bodies. The management plans for improvement and expansions of infrastructure, modernization of existing facilities, research and development actives and introduction of new courses

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

- Frequent Meeting of respective Academic/Admission Bodies/Stake holders as per the requirement.
- Equality of opportunity among the staff
- Creating intellectual and ethical wealth
- Creating healthy organizational culture and climate through flexible organizational structures
- Participative style of management through proper decentralization mechanism
- Active participation of faculty members in scientific and professional associations through continuous monitoring.
- Provide code of conduct for teachers with regard to work schedule.
- Sound mechanism of reward system, harmonious relations and resolving conflicts at all levels through the stakeholder's involvement.

The Strategic plan of the institute for the next five years i.e. 2017-22 is as follows.
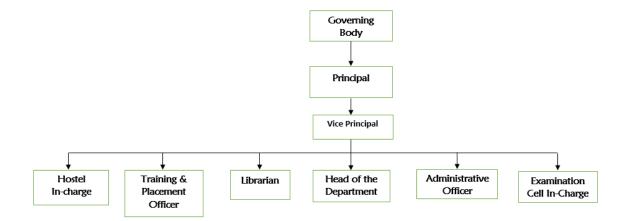
- To achieve NAAC Accreditation by 2018
- To achieve NBA Accreditation by 2019
- To achieve Autonomous Status by 2022
- To introduce the courses relevant to the latest technology.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)
Strategic Plan and deployment documents on the website	[View Document](#)

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

Response:

Organization Structure:

Organizational Structure:

- Governing Body
- Principal
- Vice Principal
- Head of the departments
- Examination Section
- Administrative Officer
- Training & Placement
- Library
- Hostel Administration

○ Governing body will decide the policy matters of the college
○ The Principal is the chief academic administrator and a liaison between the Management, Staff and Students.
○ Vice Principal officiates the Principal's responsibilities in the latter's absence and carries out

specific duties.
- ○ HOD is responsible for the functioning of the Department as per the laid down policies of the college.
- ○ The In charges of various sections will be guided by the policies of the college in the matters that come under their purview.

For administrative convenience a number of committees have been constituted to look into various aspects of the college administration, development and student & staff affairs. The list of such committees is mentioned here under:

- Governing Body
- College Academic Committee
- Research committee
- IQAC committee
- Anti Raging Committee
- Disciplinary Committee
- Purchase Committee
- Malpractice Prevention Committee
- Grievance Redressal committee
- Examination committee
- Grievance Cell for women
- Training & Placement Committee
- Library committee
- Admission Committee
- Administrative Committee
- RTI Committee

The functions of the above committees are annexed as a supporting document.

Service rules are prepared and approved by governing body. The procedure of requirements, promotion policy, leave rules, etc are explained in service rules. The same is disseminated to all the faculty and staff. Printed books are made available with all HODs.

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

6.2.3 Implementation of e-governance in areas of operation: 1.Planning and Development 2. Administration 3. Finance and Accounts 4. Student Admission and Support 5.Examination
A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: A. All 5 of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	[View Document](#)
ERP Document	[View Document](#)

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

Response:

For administrative convenience a number of committees have been constituted to look into various aspects of the college administration, development and student & staff affairs.

For the smooth conducting of academic activities and institutional growth, these committees meet periodically or whenever required based upon the situation.

In order to obtain the effectiveness of various bodies/committees,some meetings of various committees, resolutions passed and actions taken are mentioned below.

Governing Body:

* 2012-13

Resolution Passed:

Proposal to apply for New Courses in P.G. level; M.Tech: Power Electronics & Drives and M.Tech: Embedded Systems

Action Taken:

Applied and get approved by AICTE to start New PG course at M.Tech Level Power Electronics & Drives and Embedded Systems with an intake of 18 each from the academic year 2013-14.

* **Year:** 2013-14

Resolution Passed:

Proposal to apply for new course in U.G. Level B.Tech.: Civil Engineering with an intake of 60 from the

academic year 2014-15.

Action Taken:

Applied and got approval for New Course at U.G. Level in B.Tech: Civil Engineering with an intake of 60 from the academic year 2014-15.

- **Year:** 2016-17

Resolution Passed:

Resolved to ratify and approve to invest on roof top solar panels on college

buildings terrace to reduce the current bills

Action Taken:

Installed solar panels on rooftops of all the buildings.

- **Year:** 2017-18

Resolution Passed:

To ratify and approve to conduct alumni meet of the old students to be conducted in the month of January 2018

Action Taken:

Alumni meet conducted on 10 Jan 2018.

IQAC COMMITTEE:

- 2016-17

Resolution Passed:

To install LCD, Video conferencing gadgets and Public Addressing Systems

Action Taken:

Projectors are provided in all class rooms

Women Grievance cell:

- **Year:** 2016-2017

Resolution Passed:

It is to be resolved to depute one faculty member during morning session from 9A.M to 9:30 A.M and evening session from 3:30 P.M to 4:30P.M to vigilant the boys to prevent eve-teasing.

Action Taken:

Deputed one faculty member daily at out gate

Transport Committee:

- **Year: 2015-16**

Resolution Passed:

It is resolved to provide the bus facilities for Campus Placements from the next academic year

Action Taken:

New services are provided to major towns and cities based upon the number of students participating in placements

Library Committee:

- **Year: 2014-15**

Resolution Passed:

It is resolved to purchase a stock verification scanner to save the time and get the accuracy in result.

Action Taken:

stock verification scanner Purchased

Website Committee:

- **Year: 2014-15**

Resolution Passed:

To add a separate Tab in the Website Menu to show case academic achievements of the faculty

Action Taken:

A separate tab is created in the Website Menu under Academics.

Address: http://www.acoe.edu.in/?p=Faculty-Achievement

NSS Committee:

* **Year: 2016-17**

Resolution Passed:

To organize blood donation camp at the campus

Action Taken:

Blood donation camp has been organized on 17-08-2016

* **Year: 2017-18**

Resolution Passed:

To organize awareness programs on Swatch Bharat, in the surrounding villages.

Action Taken:

Conducted awareness program about cleanliness of surroundings in Surampalem village on 16-08-2017.

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

6.3 Faculty Empowerment Strategies

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

Response:

The College Management provides the following welfare activities to the staff:

* Transport facilities: Free Transport for all Staff and faculty.
* Maternity Leave: 45 days for two times in career with full pay.

- Uniform is provided at free of cost to all non-teaching staff.
- Subsidized Canteen is provided for both teaching and non-teaching staff
- Medical Community Health center with a doctor in the campus between 09:15 AM to 03:40 PM exists in the campus. Treatment and consultation is provided free of cost to staff members and students
- Interest free loans recoverable in installments are available to teaching and non-teaching staff
- Provident fund - The scheme has been availed by all the eligible employees.
- Group Insurance – The scheme has been extended to all the employees.
- ESI - The scheme has been availed by all the eligible employees.

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: 32.26

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

2016-17	2015-16	2014-15	2013-14	2012-13
87	78	64	36	30

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: 38.4

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
48	46	43	40	15

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

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

Response: 33.62

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
121	75	54	40	25

File Description	Document
Details of teachers attending professional development programs during the last five years	[View Document](#)

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

Response:

The achievements of faculty members are monitored and updated in the institute records through a Performance appraisal system. The appraisal report of faculty is made by the concerned head of the department on the basis of his/her yearly achievements, discipline, quality etc. and is then submitted to the Head of the Institute. Faculty achievements like subject pass percentage, research papers published in national/international journals, conferences attended, books published and administrative responsibilities in college, etc are considered in evaluating the annual staff performance. This besides the assessment of the teachers comes through the feedback forms, which in turn indicates the teachers' quality, by the students also. All the students from each and every class and section are expected to do so for all the teachers concerned with their classes. The identities of students are not disclosed. The feedback form has a well-defined set of questions that help the students to evaluate the teaching capacity based on lecture understanding and define how far the teacher has succeeded in reaching out to the students. These details are accessible to staff so as to help them judge their performance.

The Principal understands the students' reflections and shares it collectively and individually across the staff. If there are any issues of concern, the faculty member is facilitated to overcome the lacunae without lowering self-esteem. Wherever required, counseling is provided to staff in order to help them improve their professional capabilities. In addition, the annual self-appraisal is conducted by issuing a specific

format, based on which The Principal writes a report and the same is sent to higher authorities. The participation of the teachers in various institute affairs is closely monitored by the Principal. The Head of Institution evaluate in an informal way to improve the services of the non teaching staff.

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

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The College has a Governing Body. Every financial year budget proposals are being prepared by the finance committee and submitted to the governing body for its consideration and approval. The proposals are made on different heads such as laboratory equipment, library expenses, salary payments, building infrastructure and other maintenance expenses.

Internal:

The college has an Internal Finance Committee to examine the budget proposals, receipts, bills and vouchers and supporting documents for the current year. The financial committee after the scrutiny, they may advise concerned departments for any possible improvement.

External:

The Financial Accounts were audited by External Auditor under the Income Tax Act. The Audit was completed for the financial year 2016-17. There are no major audit objections.

The audited accounts for last three financial years i.e., 2014-15 to 2016-17 are made available on the college website.

File Description	Document
Link for Additional Information	[View Document]()

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

Response: 1.7

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
0.5	0.6	0.2	0.4	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	[View Document](#)
Annual statements of accounts	[View Document](#)

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

Response:

The main source of income to the college is in the form of tuition fee and special fee. The institution has classified each department as a separate cost center and all the expenses incurred are debited. In the beginning of each year, every department furnishes revenue and capital budget which will be reviewed and approved by the management. Budget is reviewed by the management/Finance committee on regular basis. Whenever any deviation occurs in the budget, respective HODs have to address the issue and give justification so that subsequently the same will be approved. Following this procedure, unnecessary purchases are avoided and the available funds are effectively utilized. After the tuition fee collection, the institution will maintain the amount in current account and this amount is utilized for college maintenance and monthly staff salary payments. To control all the above operations, the institution maintains good stewardship.

Alumni association motivated for contributing financially for the development of students by sponsoring various activities such as workshops, seminars, Tech-fest etc. The college also generates funds through consultancy activities. For maintaining transport and hostel facilities, separate fee is collected respectively.

However when there is a shortage of funds, the management is always ready to invest from their own sources or avail loans from the banks. The college will take every step for optimal utilization of financial resources.

6.5 Internal Quality Assurance System

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

Response:

The Institution has established an Internal Quality Assurance Cell on 09/06/2016. It is headed by the Principal and all HOD's are the members. It also consists some external experts as members. The

functions of the IQAC are;

- Review the results
- Suggest corrections in the system
- Suggest developmental activities
- Review Research & Development Activities.
- Continuous evaluation of academic performance
- Check on soft and professional skills of students.

They have advised the job market requirements and this aspect is properly addressed. Alumni and students are continuously in touch with IQAC and share the requirements of the students which will be addressed properly.IQAC Communicates with faculty and students through Heads of the Departments.

As per the recommendations of IQAC ACE has created additional infrastructure in terms of new labs to provide training to improve the skills of students through APSSDC, organized a number of FDP's/training programs to faculty and students. To improvise the teaching learning process through ICT all classrooms are equipped with LCD's. The mini projects and main projects have been strengthened by conducting hardware expo. Introduced additional experiments in all labs to emphasize on practical oriented education.

The institution has constituted a research committee headed by Dean of Research to oversee the research and developmental activities. It extends full support and encourages in organizing conferences, funding students to attend student meets and workshops. As a result, Civil Engineering students have designed ACE campus model in Plaster of Paris (POP) in 1:200 scale. IT students developed feed-back system for the college they also designed a website for institutions and individuals. Various certification courses like JAVA, OCP, Mobile gamming, NDT etc and training to students in domain knowledge are catered to meet the needs of industry. This additional input ensures that good number of students are placed in various companies. Our students have enrolled themselves into higher education in prestigious institutions in India and abroad. Introduction of emphasis on practical skills resulted in changes within the students by increasing knowledge, developing skills and/or positively influencing attitudes, values and judgment resulted in overall improvement in pass percentage of academically weak students.

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:

After formation of IQAC a number of initiatives were taken to improve the learning outcomes reviewing the teaching learning process, structures and methodologies at periodical intervals. Some of such initiatives include;

- To introduce value added courses to complement the present curriculum courses.
- To build up new facilities and upgrade the present facilities to render better technical support.
- To install LCD, Video conferencing gadgets and Public Addressing Systems.
- To increase the number of experiments in laboratories.
- Feedback on performance of teachers twice in a semester.
- Increase in publications of technical papers by faculty.

- Mentoring of students.
- Periodical review on coverage of syllabus, allotment of workload etc.
- Review on the quality on the course material and assignments.
- Review on remedial teaching for slow learners.
- Improvement in quality of projects.
- Review of self appraisal system on performance of faculty.

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

Response: 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
30	0	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	[View Document](#)

6.5.4 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
2. **Academic Administrative Audit (AAA) and initiation of follow up action**
3. **Participation in NIRF**
4. **ISO Certification**
5. **NBA or any other quality audit**

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
e-copies of the accreditations and certifications	[View Document](#)
Details of Quality assurance initiatives of the institution	[View Document](#)

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

Response:

ACE mission is to develop, strengthen and implement academic programmes that are responsive to the Aditya College of Engineering are systematically reviewed for sustained quality relevance, and excellence to meet the challenges of a highly competitive and global workforce. The following are the incremental improvements for the last five academic years.

- New Course in UG Mechanical Engineering is introduced in the Academic year 2012 - 13.
- New Course in PG Embedded Systems (ECE) is introduced in the Academic year 2013 – 14
- New Course in PG Power Electronic & Drives (ECE) is introduced in the Academic year 2013 – 14
- nhancement of Seats in Department of Mechanical Engineering from 60 to 120 in the year 2013-14
- nhancement of Seats in Department of Electronics & Communication Engineering from 180 to 240 in the year 2013-14
- Introduced PIO Admissions (Persons of Indian Origin)/Foreign admissions from the academic year 2013-14.
- New Course in UG Civil Engineering is introduced in the Academic year 2014 - 15.
- Collaborated with TIME institute, to give guidance and training to our college students, to appear for competitive exams.
- Collaborated with ELEPHOS institute, for campus recruitment training.
- ICT enabled teaching and learning Aids were purchased, installed and are being used.
- White boards are installed in all the class rooms and laboratories to create chalk-dust-free and clean laboratories and class rooms.
- Internet connectivity is extended to all the Computers in the Departments as well as Laboratories for ease of access to information related to the respective subject of interest.
- Solar panels are installed on the terrace of the College to save power
- Management encouraged faculty members to enter into the area of research by giving incentives and other vacations.
- Increase in the number of publications from the staff members when compared to the previous years.
- ACE conducted a number of Faculty development programs, workshops and guest lectures to staff and students separately in order to acquire more potentials.
- The management tries to enhance institute infrastructure to accommodate increasing intake, research, economic development, technology development and transfer
- Separate buildings are constructed of Mechanical, Civil and EEE departments.
- A number of training programs are conducted for the non teaching staff to improve their skills.
- Increase in the number of students placed in various companies when compared to the previous years of recruitment
- More companies have opted our college students for both off-campus and on-campus drives

- Students have completed live projects in all branches of engineering.

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: 5

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

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

File Description	Document
Any additional information	[View Document](#)
List of gender equity promotion programs organized by the institution	[View Document](#)
Report of the event	[View Document](#)

7.1.2

1. **Institution shows gender sensitivity in providing facilities such as:**
   1. **Safety and Security**
   2. **Counselling**
   3. **Common Room**

Response:

"Aditya College of Engineering" has its utmost concern in the aspect of "Safety & Security." Apart from ID's & Dress Code being a compulsion to the students; it is also made mandatory for the parents & visitors to carry the "Purpose of Visit" form (which is available at the main entrance) along with them during their presence in the campus. The campus is monitored under strict security staff and CCTV surveillance 24X7. Especially for the girl students & female faculty constant care is taken into consideration in providing all the amenities.

Counseling is the key concern of "Aditya College of Engineering" as we understand that this is the phase of the student's life of making or breaking. Counseling is upheld on an individual and prioritized basis from student to student for the enhancement of "Ethical & Moral Values" to "Personality Development" to "Behavioral Etiquette." Students are encouraged all the time to come up with whatever the issues or troubles being faced no matter how small or big. Of all the aspects of counseling; "Ragging" is the one thing that is curbed in the initial stages itself and awareness is created by arranging counseling sessions by

local police officials, psychologists/psychiatrists for proper personality development and confidence among the students. The provisions of Anti Ragging Act are displayed through flexes in respective places in the college.

A common room is provided for Boys and Girls separately on each floor. Constant supervision is made by the respective faculty members to make sure the students are utilizing the common room for the factual reasons.

"Aditya College of Engineering" providing "Gender Equality" and around 35% of the total employment are the female of all cadres. The institute supports the career progression and development of female professional and academic staff. It provides women with opportunities to grow in their leadership capabilities build professional skills and participate in important administrative roles in the college. In all the administrative committees, female faculty are also given equal opportunity to become members. Harassment to woman of any level ranging from gender discrimination to mental abuse to sexual harassment is severely dealt with at our institution. The Woman Grievance Redressal Committee has been formed to address grievances of female employees as well as students. Complaint boxes were provided in the college at respective places, so that students feel free to post complaints regarding various issues.

7.1.3 Alternate Energy initiatives such as:

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

Response: 50.63

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

Response: 486000

7.1.3.2 Total annual power requirement (in KWH)

Response: 960000

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

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 52.08

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

Response: 75000

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 144000

File Description	Document
Details of lighting power requirements met through LED bulbs	[View Document](#)

7.1.5 Waste Management steps including:
- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

Swachh Bharat Abhiyan (SBA) is a campaign in India started by Hon'ble Prime Minister which aims to maintain cleanliness everywhere. In response to this campaign ACE conducts frequents activities like cleaning of roads, awareness on proper waste disposal etc.

Waste Management steps including:

Solid waste management:

The solid wastes in the campus are disposed in a systematic way. Different color dustbins are provided in the whole college at respective places to collect the solid waste. The cleaning staff collects the waste from the bins on a regular basis at 10:00 to 11am and after 5:00 pm every day. All these solid wastes are properly disposed by the workers by dumping them in the yards outside the college.

Liquid waste management:

Liquid waste from the points of generation like the canteen and toilet in both hostel and college is segregated and let out through common drainage facility to a waste water tank at the corner in the campus. This helps to maintain and improve ground water levels.

E-waste management:

Due to frequent advancement in the technology various electronic equipments/ products/gadgets tend to become obsolete and hence there is a need of E-waste management. We have adopted an alternative approach to reduce the volume of E-waste generation by adopting the following procedures.

- Buy back system which includes giving systems back to the company from where they are purchased.
- Donate old workable electronic equipment to for poor students from rural areas.
- Reuse this equipment after slight modifications to the original functioning equipment.

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

It is a known fact to all of us that water is the basis of all living beings on the earth. Especially countries like India depend on rains and snowfall for its agriculture. Unfortunately, during heavy rains most of the water is being wasted to rivers and seas. Therefore, rainwater harvesting became necessary step which everyone should practice. When there is a downpour and saved in rain fed tanks and other artificial tanks to use it for future purposes. ACE has a good practice of harvesting this rainwater in a pond through soak pits arranged in different places during rainy season and uses it throughout the year. Using this harnessed water, we grow various trees, and plants. Apart from this, we grow vegetableson the campus itself and these vegetables are used in the various hostels of the college. This water is also used to maintain a green and healthy garden with lawn and other beautiful flowers.Rain water harvesting system ensured that both of our bore wells are always kept recharged and hence the campus has not felt scarcity of water for many years.

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:

Yes, the institute focuses on green practice throughout the campus. Aditya College of Engineering is located in a pollution free environment in the nature's lap which is far away from the urban and industrial area. To prevent pollution a nuber of initiatives are taken.

Bicycles:

The students in the hostel and staff are encouraged to use bicycles in the college premises.

In the campus, electric vehicles are used as a mode of transport to provide eco-friendly environment.

Public Transport:

All the staff and students are provided bus transport facility. Students are also encouraged to use public transport instead of their own vehicles like cars, motorbikes etc., to avoid air pollution. Motor cycles are prohibited inside the campus and students are allowed to park the motorbikes outside of the gate to avoid pollution.

Pedestrian Friendly Roads:

Black top roads are laid in the entire campus which can be used in all seasons.

Plastic Free Campus: Our College encourages students and staff not to use plastic bags. The students and staff are advised not to use polythene bags in the campus. They are educated on the harmful effects of plastics. Sign boards are provided for minimizing the usage of plastic. Using of plastic bags is minimized In campus stores and canteens.

Paperless Office: For the paperless office, our faculty using hard drive server for data sharing. Efforts have been made to make it a paperless office by sharing documents using official emails and also by sharing the information through official App called 'Aditya Connect'. All the circulars/Notices are also circulated through this app instead of paper

Green landscaping with trees and plants:

Aditya college is decorated with beautiful landscaping and lush green environment. There are number of trees on the campus which are taken care by the institution.

Students and staff of the campus extend their hands in planting and growing trees around the campus because the institution believes that the Natural environment helps the students to have a peaceful and serene mind to increase their learning capacity. The college has formed a club named "ECO CLUB" in which both the students as well as staff can become the members. Through this club the college frequently conducts environmental awareness programs to make the college campus Eco-friendly. Festival environment is created among students and staff on Environmental day, Ozone day, Tree Plantation Program, etc. Aditya college of Engineering has Battery vehicles to move around the campus. The management also encourages paperless office and plastic free campus to reduce environmental pollution.

As per the curriculum of JNTUK the Environmental Studies subject is mandatory course for all students who are admitted from the academic year 2010 onwards.

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

Response: 1.51

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
4.39	3.85	3.39	2.86	2.30

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

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

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

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	
Any additional information	
link to photos and videos of facilities for Divyangjan	

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

Response: 22

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
5	5	5	4	3

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	[View Document](#)

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

Response: 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
2	2	1	1	1

File Description	Document
Details of initiatives taken to engage with local community during the last five years	[View Document](#)
Report of the event	[View Document](#)

7.1.12
Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
Any additional information	[View Document](#)
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	[View Document](#)

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

Response: Yes

File Description	Document
Provide URL of website that displays core values	[View Document](#)

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	[View Document](#)

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

Response: Yes

File Description	Document
Provide link to Courses on Human Values and professional ethics on Institutional website	[View Document](#)

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

Response: Yes

File Description	Document
Provide URL of supporting documents to prove institution functions as per professional code	[View Document](#)

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: 9

File Description	Document
List of activities conducted for promotion of universal values	[View Document](#)

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

Response:

The Institution organizes several national festivals and birth/death anniversaries of the great Indian personalities. REPUBLIC DAY 2017, NATIONAL YOUTH DAY (SWAMI VIVEKANANDA BIRTHDAY), Dr. B.R. AMBEDKAR BIRTHDAY, SUBHAS CHANDRA BOSE BIRTHDAY, NATIONAL SCIENCE DAY, WOMEN'S DAY, INTERNATIONAL DAY OF YOGA, INDEPENDENCE DAY OF INDIA. TEACHERS DAY, GANDHI JAYANTI, CHILDREN'S DAY 2017, ENGINEERS DAY are some of the prominent ones to mention that happened recently. The institution diligently and with fervor follows and practices all prominent national and state functions. The institution practices pluralist approach towards all religion functions and encourages the students and faculties to show case the same.

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

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

Response:

Yes, the institution maintains complete transparency in its financial, academic, administrative and auxiliary functions. The functions of the institution and its scholastic and organizational units are governed by the principles ofparticipation and transparency. The institution has developed strategies for mobilizing resources and ensures lucidity in financial management of theinstitution. Budgeting and optimum utilization of finance as well as mobilization of resources are the key issues handled by the Management. There are established procedures and processes for planning and allotmentof financial resources which leads to effective & efficient use of Financial Resources. The respective HODs of the departments will submitrequirements for the next financial yearwhich are consolidated. The various heads of the budget include thedepartment capital requirements, student & faculty related expenses,event expenses, research & development, administrative expenses including lab consumables, repairs &maintenance & other infrastructure related expenses, etc. The utilization of the current year approved budgetalong with the budget projected for the forthcoming year is presented to the Finance Committee afterdiscussions in the Executive Committee. After the approval of the finance committee, it is also approved by theGoverning Body. The day to day expenditure is audited by the internal auditors and final accounts are audited by an external chartered accountant and the IT Returns will be submitted to income tax department. The audited statements of accounts made available on our college website.

All the academic activities of the college will be reviewed by IQAC and information is placed on college website for viewing by stakeholders.

HUMAN VALUES from the basics for all our views, deeds and proceedings. Once we know what is valuable to us, these values become the starting point, the anchor for our proceedings.We also understand

the universality of various human values. The human values evolve because of the following factors.

1. The impact of norms of the society on the fulfillment of the individuals' needs or desires.
2. Development or modification by one's own awareness, choice and judgment in fulfilling the needs.
3. By the teachings and practice of preceptors (gurus) or saviors or religious leaders.
4. Foster or modify by social leaders, rulers of kingdom and by law (government) professional ethics.

ACE maintains transparency in administrative activities like admission, general administration, maintenance of accounts, etc., concerned section officers will be responsible for maintaining the records which will be verified by the Principal and management periodically. All the communication like circulars/notices/notifications will be displayed in the college website and circulated through college app.

7.2 Best Practices

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

Response:

Title of the Practice:

Emphasis on Practical skills

Objectives of the Practice:

1. Learning by doing
2. to make the students fit in the real world
3. productive use of theoretical knowledge
4. students can develop and apply their skills in real working conditions without facing much trouble

The underlying principles of this practice are to strengthen and support students' knowledge by providing them practical environment where they can learn really that helps their career. The concept of emphasis on practical skills is to produce potential and skilled workers to the institutions or companies or to the organizations there by to build a strong nation with skilled people.

Best Practices: 2

Title of the Practice:

Inculcating the Spirit of Research among Faculty and Students for a Progressive Technical growth

Objectives of the Practice:

- To improve the teaching learning process
- Improve quality in teaching and UG and PG projects

- Publish papers in National and International Journals and Conferences

Research is a never ending quest for knowledge, which may be used to promote progress for the society. Today's world is rapidly developing giving way and scope for new research initiatives to have a still better life. To keep up one self in pace with the growing needs and demands has become most essential parameter. To meet such demands a continuous research and development of new products and projects has become the need of the hour. This motivated the college to strengthen R&D activity that focuses on various independent domains and encourages multi-disciplinary research.

File Description	Document
Any additional information	View Document

7.3 Institutional Distinctiveness

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

Response:

ACE is committed to incite all possible platforms pertaining to Scientific & Technological Learning for not only the professional growth but also for the personal growth of the students by providing transformational teaching and value based education with international standards. The institution with a motto to achieve academic excellence, promoting quality education under Sarojini Educational Society, with incomparable innovations in teaching and learning by empowering the manpower through innovative research and development.

The Educational society with a passion to scatter the fragrance of education entered the educational arena with a public school to meet the needs of primary and secondary education, in the year 1992. In succession and with rapid strides, the society established a number of educational institutions from KG to PG, over a period of 25 years. To bring home the significance of the ability to communicate in multiple languages and with a view to strive for the glorification of the local and national languages, the society even established Telugu and Hindi pundits training institutions.

Keeping in view, the role of English Communication Skills in Mastering the Engineering knowledge and skills better, the institutional has taken utmost care to build fully equipped language laboratories for the benefit of the student community.

Students are even encouraged to take up projects concerned with the future of the country with a motto to promote global citizenship and ethical conduct. As agriculture has become an importance source of livelihood to the local people, a full freedom is given to the students to design and improve farming equipment and machinery. As a result, our Mechanical students designed Solar Grass Cutter, Crop cutting machine, multi-purpose agriculture machine,etc.

As Renewable Source of Energy has become the need of the hour, and to combat green house gas emissions, in a move the institution has installed solar panels on the terrace of all its buildings.

To accomplish one of the rejuvenating targets of the institution i.e. to provide excellent placement opportunities to all the students, institution has been conducting Campus Recruitment Training (CRT) classes with eminent faculty members, who have great expertise in the area, to train the students for all the levels of the campus recruitment process. Since the beginning of the I Semester, students undergo the training along with the prescribed curriculum. Students are encouraged to participate in Aptitude and Soft Skills related training, Group Discussions, Mock Interviews, Debates, Presentationsand Role Plays etc.

On-line learning is a rapidly growing aspect in technical education. To train the students for the future needs, a Digital library is designed with an excellent collection of e-material, in addition to the central library with more than 28,000 volumes and unique department libraries. Architecturally designed digital class rooms, grand infrastructure,Well–Equipped Laboratories,Spacious seminar halls and conference halls and reading halls, student counselors and a unique P.R.O (Public Relations Officer) system to keep in touch with parents,Corporate placements, technical events like cross-trike, Go-kart, E-Bike,etc.,implementation of innovative teaching techniques and trends along with the conventional teaching methods,provide a vibrant backdrop to the academic achievements.

5. CONCLUSION

Additional Information :

Aditya College of Engineering is situated in a rural area, which is identified as industrial zone by the Government of Andhra Pradesh.

Concluding Remarks :

The Aditya College of Engineering is having clearly defined vision and mission statements striving to impart good quality education and adopted Campus recruitment training, CoCube and AMCAT like continuous scientific evaluation processes for more job opportunities. Career Guidance training programs like GRE/GATE etc., are also adopted to improve the leadership and competitive qualities of the students. To improve the skill of graduates and undergraduate students as a part of skill India, we are practicing various cutting edge technologies through internships, startup activities and research activity under the umbrella Technical hub (THUB). With all these strengths and amenities Aditya College of Engineering cordially invites NAAC peer team to visit the campus and evaluate, assess for accreditation process.