



## YEARLY STATUS REPORT - 2020-2021

### Part A

#### Data of the Institution

<b>1.Name of the Institution</b>	<b>ADITYA COLLEGE OF ENGINEERING</b>
• Name of the Head of the institution	<b>Dr. A. Ramesh</b>
• Designation	<b>Principal</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone no./Alternate phone no.	<b>08842326224</b>
• Mobile no	<b>9000476662</b>
• Registered e-mail	<b>office@acoe.edu.in</b>
• Alternate e-mail	<b>principal@acoe.edu.in</b>
• Address	<b>Aditya Nagar, ADB Road, Surampalem, East Godavari District</b>
• City/Town	<b>SURAMPALEM</b>
• State/UT	<b>Andhra Pradesh</b>
• Pin Code	<b>533437</b>
<b>2.Institutional status</b>	
• Affiliated /Constituent	<b>Affiliated</b>
• Type of Institution	<b>Co-education</b>
• Location	<b>Rural</b>

• Financial Status	<b>Self-financing</b>				
• Name of the Affiliating University	<b>Jawaharlal Nehru Technological University Kakinada</b>				
• Name of the IQAC Coordinator	<b>Dr. D V S S S V Prasad</b>				
• Phone No.	<b>08842326224</b>				
• Alternate phone No.	<b>9492508781</b>				
• Mobile	<b>9492508781</b>				
• IQAC e-mail address	<b>prasad_mech@acoee.edu.in</b>				
• Alternate Email address	<b>myselfdvsprasad@gmail.com</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="http://www.acoe.edu.in/uploads/AQARs/AQAR%20RE-SUBMITTED%20ON%2029.12.2021.pdf">http://www.acoe.edu.in/uploads/AQARs/AQAR%20RE-SUBMITTED%20ON%2029.12.2021.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="http://www.acoe.edu.in/Academic%20Calendar/Academic%20calender%20and%20Event%2020-21.pdf">http://www.acoe.edu.in/Academic%20Calendar/Academic%20calender%20and%20Event%2020-21.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B+</b>	<b>2.72</b>	<b>2018</b>	<b>26/09/2018</b>	<b>25/09/2023</b>
<b>6.Date of Establishment of IQAC</b>			<b>09/06/2016</b>		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			<b>Yes</b>		
• Upload latest notification of formation of			<a href="#">View File</a>		

IQAC		
<b>9.No. of IQAC meetings held during the year</b>	<b>2</b>	
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10.Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
<ul style="list-style-type: none"> <li>Inspected bottlenecks in the system</li> <li>Organizational learning imposed</li> <li>Motivated Entrepreneur Activities and Startups</li> </ul>		
<b>12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>		

Plan of Action	Achievements/Outcomes
Project Exhibitions	Improved skill set along with exposure
Technical Training, Projects Training, Coding practice, CRT Training	Improved knowledge levels. Exposure to industry needs. Improved campus placements with high package
Online assessment through Co-Cubes	Improved competitiveness for placements
Implementation of LMS (Target, Moodle)	Interaction between students and faculty increased as E-Content and assignments, unit tests were made available
Implementation of MOOCs	Implemented through affiliating university (JNTUK) and Credits are being allotted on successful completion
Promotion of Research Culture among Students	Students started publishing papers in reputed journals/conferences
<b>13. Whether the AQAR was placed before statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name	Date of meeting(s)
Governing Body	14/11/2020
<b>14. Whether institutional data submitted to AISHE</b>	
Year	Date of Submission
2020-21	25/01/2022
<b>Extended Profile</b>	
<b>1. Programme</b>	
1.1	467

Number of courses offered by the institution across all programs during the year		
File Description	Documents	
Data Template	<a href="#">View File</a>	
<b>2.Student</b>		
2.1 Number of students during the year		2430
File Description	Documents	
Institutional Data in Prescribed Format	<a href="#">View File</a>	
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year		456
File Description	Documents	
Data Template	<a href="#">View File</a>	
2.3 Number of outgoing/ final year students during the year		499
File Description	Documents	
Data Template	<a href="#">View File</a>	
<b>3.Academic</b>		
3.1 Number of full time teachers during the year		186
File Description	Documents	
Data Template	<a href="#">View File</a>	
3.2 Number of sanctioned posts during the year		186

File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1 Total number of Classrooms and Seminar halls	52
4.2 Total expenditure excluding salary during the year (INR in lakhs)	370.79
4.3 Total number of computers on campus for academic purposes	706

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

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

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

As per the established norms, IQAC of the institution asks all the departments to prepare the curriculum plan before beginning of academic year and the same is consolidated after the necessary approvals. HODs allocate courses to all the faculty members based on their specialization, experience before the beginning of the semester/academic year and conduct meetings with all faculty members and prepare curriculum plan as per the schedules given by JNTUK which include syllabus coverage, deployment strategies, seminars, guest lectures, workshops and industrial visits as per the requirements along with the cross cutting issues.

Teachers are encouraged to deliver the course contents effectively using ICT and other innovative methods. The implementation of curriculum will be monitored continuously by the HoDs and the Principal. If there is any deviation then it will be taken care by the administration by providing necessary solution.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="http://www.acoe.edu.in/acoe_NAAC/criterias/1/1.1.1.pdf">http://www.acoe.edu.in/acoe_NAAC/criterias/1/1.1.1.pdf</a>

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

ACOE is affiliated to JNTUK and adheres to the academic calendar include the conduct of CIE. College strongly believes that teaching-learning and evaluation are two sides of the same coin. The University mandated assessment is summative assessment. However, there is a need to evaluate the learning on a continuous basis so that customized strategies are made to cause positive interventions in teaching and learning.

College has developed a two pronged strategy for the assessment of students on a continuous basis which are Formative and Summative Assessments. Formative assessment includes class tests, slip tests, surprise tests, presentations, seminars, peer teaching, peer learning etc. and evaluated by teachers on day-to-day basis. Summative assessment is mandated by affiliating university includes mid-term examinations, semester-end examinations with credit-based grading system with effect from AY 2016-17 for theory courses and laboratory courses as per the pre-set schedules. Similarly, Project Review Committee (PRC) reviews the progress of students' projects periodically and evaluates the students' performance.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="http://www.acoe.edu.in/acoe_NAAC/criterias/1/1.1.2.pdf">http://www.acoe.edu.in/acoe_NAAC/criterias/1/1.1.2.pdf</a>

**1.1.3 - Teachers of the Institution participate in A. All of the above following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.**  
**Academic council/BoS of Affiliating University**  
**Setting of question papers for UG/PG**

**programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

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

#### 1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

13

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Add on /Certificate programs offered during the year

#### 1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

17

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

### 1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number

**of students during the year**

1442

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

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

College incorporates the cross cutting issues like gender sensitization, environment and sustainability, human values and professional ethics while preparing the curriculum plan. College promotes good practices to prevent sexual harassment of women and girls students and stern action will be initiated in case of violation of policies, rules and implements zero-tolerance policy. Women Empowerment Cell named as "Nari Sakthi" and Prevention of Sexual harassment committee is named "Abhaya" organizes programmes to create awareness and through which students can know the equality of men and women in the society. Equal opportunities are given to both the genders in terms of admissions, employment, training programs, sports activities etc. Management encourages all the faculty and students to participate in events focusing on women empowerment. Today, industrialization and globalization making the society as concrete jungles leaving the environment with all types of pollutions and it is very important to create awareness among stakeholders to protect the environment. 'Environmental Studies' and 'Professional Ethics and Human Values' are mandatory courses for all the disciplines of UG programmes to inculcate the sense of time management, ethics and values. College implements all the policies to keep the campus as clean and green.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

321

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

763

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders**  
 Students  
 Teachers  
 Employers  
 Alumni

**A. All of the above**

File Description	Documents
URL for stakeholder feedback report	<a href="http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/1/1.4.1.pdf">http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/1/1.4.1.pdf</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	No File Uploaded

#### 1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	<a href="http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/1/1.4.2.pdf">http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/1/1.4.2.pdf</a>

### TEACHING-LEARNING AND EVALUATION

#### 2.1 - Student Enrollment and Profile

##### 2.1.1 - Enrolment Number Number of students admitted during the year

##### 2.1.1.1 - Number of students admitted during the year

782

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

##### 2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

##### 2.1.2.1 - Number of actual students admitted from the reserved categories during the year

391

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

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

The Institution plans and implements a systematic approach so that the learners build their skill-set from foundation and to help them to excel in their academics along with the overall development. The institution implements the best practices of teaching-learning with established procedures. Students will be assessed based on their score in qualifying examination at entry level and assessment will be done in subsequent semesters depending on their performance in mid-term examinations. Moreover, faculty members will monitor continuously the students through formative assessment. Learners are guided to take up additional courses such as NPTEL courses, MOOCs, ORACLE certification, Microsoft certification, Tools like MATLAB, Android OS, PS-CAD, MI-Power, P-SPICE, CAD/CAM etc. and they are encouraged to take internships in reputed corporates such as Amazon, Wipro etc. Learners are also motivated to take pre-assessment examinations such as AMCAT and COCUBES to assess themselves and improve further. Major emphasis will be given on communication and special programmes will be scheduled to improve the learner's communication.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
2430	186

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

## 2.3 - Teaching- Learning Process

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

College implements student centric methods in the form of clubs, cells and organizes individual and group activities such as technical symposiums, youth festivals, seminars/presentations inside and outside the college project exhibitions, internships/industrial visits. Experiential learning happens through practical, projects, industrial visits, internships and through organizing the events. Participative learning happens through role play, group work, case studies, seminars and presentations in the symposiums organized by the students for the students. Engineering graduate should be in a position to provide meaningful and qualitative solutions to the problems raises in day-to-day life as well as in the society. Students are made to solve the numerical in the prescribed courses in the form of assignments, tests, question and answer sessions and motivated to participate in the events organized inside and outside the campus. All the possible methodologies are adopted by the college to provide better learning experience to the student. Teachers use ICT and other tools and promote self-learning among students along with interactive sessions in the class rooms, Q & A sessions and seminars on course topics/projects.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Teachers of the college use ICT enabled tools for effective teaching-learning process. The facilities related to infrastructure are being upgraded from time to time. Faculty members are at liberty to use any facility whenever necessary. Teachers use chalk and talk, power point presentations, animations and video lectures to visualize the concepts and principles and also use NPTEL video lectures and other E-learning resources such as Udemy, Coursera etc. Teachers demonstrate the experiments during laboratory sessions to enhance the practical knowledge of learners. Teachers also conduct various tests, assessment tests and training tests online.

All the class rooms and seminar halls are equipped with LCD

projectors with systems, Wi-Fi facility and digital library resources. All the departments are provided with internet facility through local area network. College has the smart classroom and maintains LMS i.e. MOODLE. Teachers were trained to use Microsoft Teams online platform to conduct the online classes for students during pandemic situation and online classes were conducted successfully.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

134

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

### 2.4 - Teacher Profile and Quality

#### 2.4.1 - Number of full time teachers against sanctioned posts during the year

186

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

## 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

23

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<a href="#">View File</a>

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

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

716

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

College maintains internal assessment mechanism very transparently. College developed SOP and implements both formative and summative assessments to evaluate the performance of the students. Formative assessment will be carried out by the course instructors individually during the semester and summative assessment will be carried out as per the norms laid down by the University. Formative assessment will be carried in the form of slip tests, question and answer sessions, presentations, seminars and summative assessment will be implemented through mid-term examinations for 30% and end examinations for 70% as per the University norms. The outcome of the

assessment will be notified to the students from time to time immediately after evaluation. Students are motivated and encouraged to focus on academics, if there is any deviation found. Assessment strategies ensure the transparency in the system and make the learners to improve their performance gradually through the duration of study of programme.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	<a href="http://www.acoe.edu.in/Committees/2020/2020%20-%2021%20%20Examinations.pdf">http://www.acoe.edu.in/Committees/2020/2020%20-%2021%20%20Examinations.pdf</a>

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

College maintains Grievance Redressal cell and all the students are at liberty to record their grievances in the register, if any. Regarding Formative Assessment, a student is free to contact the concerned class teacher to redress his or her grievances. The continuous evaluation of students is carried out by the faculty members during theory lectures, labs, assignments, unit tests and awarding of marks for internal examinations based on defined strategies and displayed on notice board. In case the grievances are not redressed at the level of the class teacher and HoD, a student can meet the Principal regarding the examinations related grievances. Students can register their grievances in the register located in the examinations cell or can contact the faculty member or HoD/Dean/Principal to resolve any issue relevant to internal examinations. A registered grievance will be forwarded to the person concerned immediately and the HoD concerned will be assigned to take care of it and resolved completely within no time. The defined system of the college is being implemented effectively.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

The institution has adopted OBE approach and accordingly Programme

Educational Objectives (PEOs), Programme Specific Outcome (PSOs) and Course outcomes (COs) are developed. Curriculum plan with deployment strategies are prepared and implemented to attain the outcomes. Programme outcomes (POs) are adopted as defined by NBA and vision and mission of the institute are displayed on college website (<http://www.acoe.edu.in/index.php?p=Vision-Mission>). Similarly, vision and mission of the departments, PEOs, PSOs and POs are also displayed on college web site (<http://www.acoe.edu.in/index.php?p=ECE>). The outcomes are also displayed in all the class rooms, laboratories and corridors and published in course files. All the outcomes are communicated to teachers and students and induction programmes are organized periodically or as per the need to create awareness on the vision, mission and other outcomes.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

Institute evaluates the attainment of Programme Outcomes (POs) and course outcomes (COs).

Faculty members will prepare the outcomes like COs, CO-PO map matrix, lesson plan, delivery strategies before commencement of class work and continuous evaluation will be carried out in the form of slip tests, presentations, seminars and adopts formative and summative assessments to assess the performance of students. CO-PO mapping would be carried out on a 3-point scale. Summative assessment will be considered to calculate the attainments of outcomes for theory and laboratory courses.

Attainments are computed by taking 30% weightage for internal examinations and 70% weightage for external examinations for theory and laboratory courses. If the computed attainment is more than the set target then it is taken as 'Target achieved' otherwise 'not achieved'. In both the cases, the observations are noted and analyzed and proposed action will be implemented to improve further. All the outcomes are recorded in course files maintained by the faculty members and they are evaluated by the Head of

**Department / Dean / Principal .**

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

**2.6.3 - Pass percentage of Students during the year****2.6.3.1 - Total number of final year students who passed the university examination during the year****442**

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	<a href="http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/6/6.5.3%20%20%20-Annual%20report%2020-21.pdf">http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/6/6.5.3%20%20%20-Annual%20report%2020-21.pdf</a>

**2.7 - Student Satisfaction Survey****2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)**

<http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/2/2.7.1%20SSS%202020-2021.pdf>

**RESEARCH, INNOVATIONS AND EXTENSION****3.1 - Resource Mobilization for Research****3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****3.03**

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

### 3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

#### 3.1.2.1 - Number of teachers recognized as research guides

17

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

### 3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

#### 3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

5

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	Nil

## 3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

College created ecosystem with all the required infrastructure,

resources, confidence for enhancement of the capacity and competencies of students and teachers in research and innovative activities. The faculty members are allowed to take up research activities utilizing the existing facilities. The college has a Research and Development Cell to monitor and address the issues of research. To boost it further, the College established Technical Hub to improve the engineering skills by providing Skill development courses and organize different events, TI (teaching & innovation) Lab works with the student's innovative ideas with the help from Texas Instruments India with an MOU. Student activity council (SAC) is a student - led venture accelerator that fosters the development of entrepreneurs in the Aditya College of Engineering community through the educational experience of developing an eco-system for a business from concept to launch. College utilizes Microsoft Teams and mlibrary apps to transfer the knowledge effectively during pandemic situation. College maintains Centers of Excellence, namely, Centre of Excellence in AR & VR; Centre of Excellence in Additive Manufacturing apart from having MOUs with different organizations. The ecosystem developed by the college produced a few startups such GetMyTailor (<http://getmytailor.com/>); Nightout; QQadz (<https://qqadz.com/>) and Karanam Technologies (<http://karanamtech.com/>).

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

### 3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

#### 3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

7

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 3.3 - Research Publications and Awards

#### 3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

##### 3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

1

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

##### 3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

41

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

#### 3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

##### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

31

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for the holistic development of students by motivating them to take part and associate themselves in various programmes such as blood-donation camps, health-checkup programmes. Social services activities like NSS activities are conducted as per the schedule to promote moral and emotional development, social and spiritual development among the students. Motto of NSS is "NOT ME BUT YOU" and expresses the essence of democratic living and upholds the need to appreciate the other man's point of view first and to show consideration for fellow human beings. It also underlines that the welfare of an individual is ultimately dependent on the welfare of society as a whole. Faculty members along with the students have participated and rendered meritorious services of Live Webcasting in connection with Panchayat Elections organized by the District Rural Development Agency, East Godavari District, Andhra Pradesh. A few activities were conducted as a part of NSS programme due to the COVID-19 pandemic and the Government restrictions.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year**

**3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year**

3

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

**3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year**

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

5

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**

**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

576

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 3.5 - Collaboration

**3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year**

**3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year**

16

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	<a href="#">View File</a>
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

### 3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

#### 3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

21

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

College is located in a lush green campus with serene environment, spread across in 11.27 Acres of land and maintaining its infrastructure as per AICTE norms and utilizes all the facilities optimally based on the requirements. College is having 45 class rooms with proper ventilation and necessary furniture to accommodate the students apart from 7 seminar halls with LCD projectors, computers with internet facility, PA systems for organizing Seminars, Guest lectures, Workshops, Symposiums, Conferences and FDPs. College at present maintains 706 computers and all are connected through LAN with 120 KVA central UPS facility to support computers and projectors.

College having 2196.12 Sq. m as administrative area contains board

room, office HoDs cabins, dining halls, Faculty cubicles with furniture, Wi-Fi. Students' amenities area of 1656 Sq. m., circulation area of 4,400.00 Sq. m along with rest rooms and wash rooms with area of 20,466 Sq. m, well-equipped laboratories such as language laboratory, multi-purpose halls, canteen, hostels, Guest room, 24 hours security, common rooms and toilets. Central library is being maintained with adequate number of books, journals, magazines, news papers, books related to competitive examinations to accommodate strength of 250. CCTV cameras are installed for 24 hours vigilance with generator facility.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.acoe.edu.in/?p=Class-Rooms">http://www.acoe.edu.in/?p=Class-Rooms</a>

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

College provides adequate facilities for the students to participate in sports and games. Outdoor and indoor games facilities available in the campus are effectively used by the students. Facilities for the outdoor games such as Basketball, Throw Ball, Cricket, Hockey, Volleyball, Ball Badminton, Foot Ball, Kho-Kho and Kabadi etc and the indoor game facilities for Table Tennis, Caroms, Chess, are available. Sports equipment, uniforms, kits are made available and students practice daily and college encourages students to play for inter-college, state level, national level tournaments by providing allowances. Students grabbed job opportunities based on their excellence in sports.

College maintains a gymnasium facilities spread over 13mX12m. The gym equipment comprises Multi-Bench, Lal-Pull Down, Fly Rear Delt Machine, Functional Training Machine, Preduite Curl Machine, Smith Machine, Hyper Extension, hack Squal and Leg Press, Vertical Row Machine, Power Case, Shoulder Lateral Raise Machine, Olympia Plates, Dumble, Curl Bars, Olympia rods. A Yoga hall of size 45m X 20m with 90 mats to conduct yoga classes is made available. All seven seminar halls are utilized as auditoriums for cultural activities, technical symposiums, youth festivals, and competitions. Music concerts, skits, folk dances, classical dances, singing, theatrical activities, fine arts activities, quizzes.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

52

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

##### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

34.16

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

College maintains spacious Central Library with an area of 900 Sq m. and utilized by the faculty members and students to enhance their

knowledge. Library is well equipped with a reading capacity of 250 readers and Wi-Fi enabled. Digital library is made available with 20 computers with internet connectivity. Library is automated using Integrated Library Management System (ILMS) and the details are presented

- Name of the ILMS : ECAP
- Year of Automation : From 2008 to 2017 EZ-SCHOOL, From 2018 onwards, ECAP, V5.0
- Technology : Barcode
- Partial/fully automated : Fully automated
- Available bandwidth : 100Mbps

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	Nil

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources** A. Any 4 or more of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)**

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

6.34

File Description	Documents
Any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

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

380

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

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

College is committed to provide the best and the state of the art infrastructure facilities as per the requirements of statutory bodies as well as that of stakeholders. IT infrastructure is continuously upgraded to promote better teaching-learning facilities, research facilities and general facilities in consultation with the stakeholders. Internet facility is provided with two separate bandwidths, i.e. 100 MBPS and 60 MBPS from BSNL. Both lines will be used separately for academics and examination purposes. Internet services are available 24 x 7 in providing all the required resources. College established LAN with network points in departments, laboratories, hostels. Wi-Fi routers are provided at different points for internet access.

Central computing centre established in 2010 with an area of around 300 Sq. m. for consolidating and managing network operations from various servers like App servers, DB servers and computer clusters into a single facility. Center houses 10 racks mounted with servers and computer cluster nodes for hosting the services such as college official website, intranet portal, MIS, Moodle as LMS, ILMS. Server configuration includes high power computing Dell Power Edge R730 Server with 3.6 TB capacities. Enterprise firewall checkpoint has

been deployed for providing a secured network.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.3.2 - Number of Computers

706

File Description	Documents
Upload any additional information	<a href="#">View File</a>
List of Computers	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

##### 4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

10.95

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

College has central committee takes care of maintenance of buildings, classrooms and laboratories. Committee along with AO monitors the work. Supervisor is accountable to AO and functions as the coordinator who efficiently organizes the workforce, maintaining duty files about their individual floor - wise responsibilities, timings, leave etc. AO conducts periodic checks to ensure efficiency/working condition of infrastructure. Adequate in-house staff is employed to maintain hygiene, cleanliness, greenery and infrastructure on the campus so as to provide a congenial learning environment. Classrooms, Staff rooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly. Wash rooms and rest rooms are well maintained by the cleaner. Technical staff is appointed on contract basis to do the maintenance of Generator, Air Conditioners, CCTV cameras and Water Purifiers. Apart from contract workers, college maintains trained in-house staff to rectify minor problems/maintenance. Any complaint related to maintenance of infrastructure will be attended by supervisor and ensures that it will be resolved. System administrator with hardware technicians and programmers maintain computers, network accessories and required software installations. Continuous monitoring through Surveillance Cameras, Stock verification of books, equipment of sports, maintenance of grounds and other facilities, dust bins etc is a regular process in the campus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://acoe.edu.in/Committees/2020/BWC_2020-21.pdf">http://acoe.edu.in/Committees/2020/BWC_2020-21.pdf</a>

## STUDENT SUPPORT AND PROGRESSION

## 5.1 - Student Support

### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

#### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1526

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

#### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

837

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills**

**A. All of the above**

File Description	Documents
Link to Institutional website	Nil
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

#### 5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1899

##### 5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1899

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

**A. All of the above**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

322

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

111

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

### 5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

2

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

## 5.3 - Student Participation and Activities

### 5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

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

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	<a href="#">View File</a>
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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

Institute strongly believes in giving opportunity to the students in supporting the authorities and the faculty members in running all the activities of institute viz. curricular, co curricular and

extracurricular activities. For this reason, institute provides the student community with all possible opportunities to participate in the various academic and administrative bodies. Statute regarding the formation and function of Aditya College of Engineering formerly known as Sri Aditya Engineering College Students Union were framed and implemented. It incorporates all provisions, objectives, functions, organization, selection process, criteria, fund and budget etc of the Students' Council and the Principal will set a date for the selection of representative(s) to the Student Council and its formation.

Institute encourages students' representation in various academic, co curricular and extracurricular activities along with sports and games, to increase discipline; democratic outlook; social harmony; spirit of oneness; cultural and academic development; healthy relationship between students and teachers; leadership; self-reliance. Students are made as members in all the committees and they try to attend the meetings and observed that students also participate actively in all the activities.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

#### 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

8

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<a href="#">View File</a>

## 5.4 - Alumni Engagement

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

Aditya Alumni Association (AAA) is registered with 20 members initially. It is functional from then, highly proactive and greatly supportive for the wellness of the institute. It has a governing body with President, Vice president, Secretary, Treasurer and General Secretary. College feels proud of its Alumni association which extends its direct and indirect help to the management and to the students through various means. Alumni of our college are placed in prestigious companies like, CGI, TCS, INFOSYS, Tech-Mahindra, Caliber Technologies, Amazon Ltd etc., and all of them are made according to the vision and mission of our institution.

The alumni association contributes significantly through financial and non-financial means. They provide structured feedback on the syllabus, exam patterns and infrastructural facilities and suggestions given by alumni are implemented. Alumni meet which is merely interactive meeting will be conducted annually and alumnus share their experiences from campus life to career life. Some interested alumni are invited to talk on their success stories and victorious moments along with job opportunities with their teachers and students. Alumni association assists economically poor students with financial aid by giving meritorious awards through NGOs like Sadhya foundation, Helping hands etc.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

5.4.2 - Alumni contribution during the year **E. <1Lakhs**  
(INR in Lakhs)

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

institution

Aditya College of Engineering, Surampalem pioneering under the leadership, Sri. N. Satish Reddy, Vice Chairman with a motto of providing quality education to young aspirants. The Governing Body comprises eminent personalities from the Society, Academicians, Faculty representatives, State Government and University representatives. All the activities are carried out by various committees.

Institute is academically and administratively headed by the Principal. He is the Member Secretary of Governing Body and is assisted by Dean (Academics & Administration), Internal Quality Assurance Cell (IQAC), Administrative Officer, and Coordinators of various institute level committees.

The Heads of Department prepare the plan (Curricular, Co-curricular & Extra-curricular activities) in line with the vision and mission of the institute as per the direction of IQAC. Further it is submitted to the Principal for approval through IQAC. The IQAC ensures effective execution of teaching methodology of courses, maintenance of academic standards, and student welfare. This would bring transparency to the governance and inherently encourages participative management thereby aligning to the vision and mission of the institute.

File Description	Documents
Paste link for additional information	<a href="http://www.acoe.edu.in/index.php?p=Vision-Mission">http://www.acoe.edu.in/index.php?p=Vision-Mission</a>
Upload any additional information	<a href="#">View File</a>

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

College practices and implements decentralization and participative management and believes in delegating responsibility in top-down approach. This gives an opportunity for all to participate in various activities of the college and play a considerable role in different committees of the college and this can be presented through a case study happened in the year 2021.

All the heads of the department were in the meeting with the Principal. It is a practice in the college that all the mobile phones during meetings must be in mute/vibrating mode. One of the

students from one department got a phone call from his parents that his grandfather expired and come home immediately. That was the situation where HoD was in meeting and In-Charge was on leave due to ill health. Therefore, department operators took the initiative and helped the student in obtaining permission and out-pass to leave the campus by informing a senior faculty from that department. Later informed the same to HoD and the Principal.

In this way, faculty members, laboratory technicians and operators take initiative and execute the activities in sudden/emergency situations.

File Description	Documents
Paste link for additional information	<a href="http://www.acoe.edu.in/?p=IQAC#tab10">http://www.acoe.edu.in/?p=IQAC#tab10</a>
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

College deployed perspective plan successfully and this can be illustrated through one such activity.

It was decided that consumption of power should be reduced and depend on renewable energy such as solar energy. This was intended to reduce the power bills. Necessary permissions and approvals were taken, PV cells purchased and installed on roof-top of the college and students were also asked to participate in the installation and commissioning along with the experts to gain exposure. The generating capacity of solar power plant is 300KW through 929 panels and generated DC power will be inverted to AC through 6 inverters each is of 50 KVA capacity. Energy which is generated by solar plant is directed towards load and the remaining is being diverted to the grid.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Governing body is the apex authority which decides the direction, making policies, implementation of policies, decisions related to finance and infrastructure and ensures the quality of the system. Chairman/Vice Chairman conducts review meetings periodically or as and when necessary with the Principal, Dean, HoDs and other senior staff members to check the progress related to academics, research and administration.

Principal is the head of the college and makes the decisions pertaining to academic and administrative strategies and will be the Chairman of all committees. Principal executes all the policies, implements the strategies, prepare the reports and submit to the Governing body. All the grievances will be redressed appropriately by the committees at the earliest.

Heads of the departments will be the In-Charges for their respective departments and Administrative officer is the In-Charge of all administrative functions such as maintenance, transport, canteens etc.

Policies and procedures have been established for the staff appointments, promotions, service rules, code of conduct, maintain discipline in the campus, incentives and welfare of students and staff. All the norms and policies will be conveyed to all the stakeholders from time to time and the same will be displayed through the college web site also.

File Description	Documents
Paste link for additional information	<a href="http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/6/ACOE-Policy_manual-V2.pdf">http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/6/ACOE-Policy_manual-V2.pdf</a>
Link to Organogram of the institution webpage	<a href="http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/6/INSTITUTION%20ORGANOGRAM%20-Final.pdf">http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/6/INSTITUTION%20ORGANOGRAM%20-Final.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

College considers staff as its strength that plays a key role in the development and growth. College initiated several welfare measures to enrich psychological and physical health of all employees and create better work environment. The motive of creating a better and vibrant atmosphere is that the talent pool can teach, guide and inspire the young engineering aspirants and can contribute the best. College implemented effective welfare measures for teaching and non-teaching staff for both professional and personal growth and they are Transport, Group insurance, ESI, PF, Canteen, Summer vacation, Maternity/Paternity leave, Medical leave, Fee concession to the children of employees, Research/Publication incentives, Sponsorship for Training programmes and online courses, Promotions as per norms, Compensatory/ Special leave, Fee towards professional bodies membership, OD (On-Duty/Official duty) will be granted to staff members when he/she is deputed official work, Uniform for all technicians/non-teaching staff, Salary advance will be provided to the needy and is recoverable against their salary.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

#### 6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

46

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

#### 6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

11

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### 6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

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

136

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

College implements the performance appraisal system for teaching and non-teaching staff based on the key performance indicators and specific format will be used for this purpose. Name, qualifications, experience, subjects taught, results, feedback of the students, pass percentage, mentoring, discipline, conferences/workshops attended, books published, research publications in conferences and journals, administrative responsibilities and along with the remarks of HoD and the Principal for all the teaching staff and Name, qualifications, experience, discipline and responsibilities and along with the remarks of HoD and the Principal for all non-teaching staff.

Appraisal formats are asked to fill-in by the staff members for self-evaluation and HoD will interact with every employee and remarks will be posted and forwarded to the Principal for evaluation. Final evaluation will be carried out by the panel consist the Management representative, Director and the Principal. Staff members will be given increment/promotion based on the evaluation.

Appraisal system of the college proved to be good among all employees in bringing the extraordinary performances, underperformers to perform, impact of statistics in improving, healthy discussions and motivation to improve overall growth and development of the individuals as well as the college.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institution has adequate mechanism to conduct the internal and external financial audits. The objective is to maintain proper accounting system and for the smooth flow of funds and its utilization and audit was carried out for the year 2020-21.

Internal Audit is performed by the officials deputed by the Governing Body and the reports are submitted. Internal audit team carries audits regularly and submits the quarterly reports.

External audit will be conducted by the registered auditors at the end of financial year after closing the accounts in compliance with Companies Act 2013 and Income Tax Act 1961. Mr. V. V. Satyanarayana, Chartered Accountant, bearing the number 022084 conducts the external audit for the college.

File Description	Documents
Paste link for additional information	<a href="http://www.acoe.edu.in/audit_statements/AY2021-22.pdf">http://www.acoe.edu.in/audit_statements/AY2021-22.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

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

0.42

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

College is a self-financing institution and mobilization of funds is done through tuition fee from students which will be received from Government of Andhra Pradesh under fee-reimbursement scheme.

Further, fee collections for the other services rendered to the students for example, student transportation fee, hostel fee, registration fee collections for workshops and skill enhancement activities, grants received from government bodies, non-government bodies, philanthropists and alumni.

Utilization of funds: Budgets will be allocated to each department to meet the annual expenses and monitored for proper utilization. In the beginning of academic year, every department proposes their budget and total budget will be consolidated by the principal which will be reviewed and approved by the Governing body.

Funds will be utilized for infrastructure development and salaries, campus maintenance, training, laboratory consumables, library books, expenses for workshops, events, club activities, faculty development and student skill development programmes etc.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 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

**IQAC of the college contributes significantly and the following two**

practices are institutionalized.

#### Practice 1:

**Facilitating Digitization of Teaching-Learning Process:** IQAC initiated to implement to create digital classes while teachers teach the lessons as a part of Learning Management System. Teachers will be ready with all teaching content such as video lectures, study materials as per lesson plan and the class work goes on as per the academic calendar. Feedback will be collected from students periodically to ensure the quality of the system.

#### Practice 2:

**Implementation of Outcome-Based Education:** Outcome Based Education is another initiative by IQAC and IQAC organized the workshops by inviting experts to explain OBE approach to all the teaching staff members. As a part of this initiative, teaching staff prepared programme educational objectives (PEOs), programme specific outcomes (PSOs) and teaching staff members are able to write course outcomes (COs), Correlation of Cos with POs and PSOs, Preparation of question papers using Blooms Taxonomy levels of learning and attainment of POs, PSOs for each course which facilitates to implement OBE in the college.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

College reviews its teaching-learning processes, structures and methodologies periodically and the examples are presented here.

#### Example 1:

**Review Mechanism of Teaching-Learning Process:** Review of teaching learning process will be carried out through attendance reports, performance of students in mid-term examinations and assignments, lesson plans and syllabus coverage, classes and laboratory sessions conducted as per the academic calendar issued by the university,

Course materials, remedial classes for slow learners and participation of students in co and extracurricular activities etc.

**Example 2:**

Attainment of COs, POs and PSOs: As a part of OBE implementation, IQAC reviews the attainment of COs, POs and PSOs after publishing the results by the University and analyzes the gap between target and attained levels. If the targets are achieved then IQAC suggests to increase the target level for the next semester otherwise IQAC suggest the teaching staff members to identify the probable cause in the form of observations and corresponding action to be initiated by the faculty member/HoD to achieve the target.

File Description	Documents
Paste link for additional information	<a href="http://www.acoe.edu.in/IQAC/IQAC_MINUTES_2020-21.pdf">http://www.acoe.edu.in/IQAC/IQAC_MINUTES_2020-21.pdf</a>
Upload any additional information	<a href="#">View File</a>

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

**A. All of the above**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/6/AAA-2020-21-All%20branches.pdf">http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/6/AAA-2020-21-All%20branches.pdf</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

**INSTITUTIONAL VALUES AND BEST PRACTICES****7.1 - Institutional Values and Social Responsibilities****7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year**

College is committed to provide a safe and secure environment for all the stakeholders. College respects the needs and aspirations of all the stakeholders and is committed to provide hassle-free environment with all facilities to empower the stakeholders. No practice of discrimination but inclusiveness is practiced in the college and all the genders are equally treated. At present, 35% of available positions are occupied by women in both teaching and non-teaching staff and additional measures are taken to accommodate the people from all categories. College promotes good practices to prevent sexual harassment of women and girl students and a zero tolerance campus is offered through prevention and policy for stern action in case of violation is put in place. Women Empowerment Cell, named as "NariSakthi" and Prevention of Sexual Harassment Cell named "Abhaya" organize programmes relevant to gender equity and gender sensitivity. Several measures are initiated to prevent abuse, ragging, teasing and harassment and zero tolerance campus against oppression is provided through many steps, viz, CCTV cameras, valid ID cards, online grievance redressal (<http://acoe.edu.in/?p=Grievance>), "Cheyutha" (means Helping hand), Lady attendants for monitoring near girls waiting rooms.

File Description	Documents
Annual gender sensitization action plan	<a href="http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/7/7.1.1-b.pdf">http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/7/7.1.1-b.pdf</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/7/7.1.1-a.pdf">http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/7/7.1.1-a.pdf</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

**A. 4 or All of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

College is committed to provide a sustainable campus which is eco-friendly with energy conservation system and has appointed separate teams for gardening and beautification by planting several saplings. College implements Swachh Bharat Abhiyan campaign and conducts related activities such as "Haritha Haram" programme, cleaning of roads, solid and liquid waste disposal and management.

College initiated all the measures to manage all types of wastes generated in the campus such as colored bins, paper-less administration, composting of bio-degradable waste, No plastics, Collection of sewage water and recycling and use for gardening and cleaning, refilling of cartridges, recharging/replacing of batteries, donating old electronic equipment to poor students in rural areas, disposal of obsolete items through certified E-Waste recyclers (M/s Veera waste management systems), proper monitoring when students work with chemicals, gases to avoid reactions and hazards, reuse of wooden scrap by mending damaged furniture.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus** A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

**A. Any 4 or all of the above**

**5.**

**reading**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institution is highly committed to promote a cultural harmony in our students, faculty and staff. The college organizes and celebrates various national and local festivals for achieving, inculcating cultural integrity amongst the students. To build a nation of youth who are noble in their attitude and morally

responsible, the College organizes national festivals and birth/death anniversaries of Great Indian personalities.

The institutional efforts/initiatives in the regard are as follows:

The republic day and Rashtriya Ekta Diwas are celebrated in the Aditya college of Engineering aimed to reiterate and reorient the students towards the values and principles articulated in the Indian Constitution and encouraging all the students to play their rightful role in strengthening the Indian Democracy and also provide an opportunity to re-affirm the integral strength and resilience of our nation to withstand the actual and potential threats to the unity, integrity and security of our country.

The College also organizes activities for linguistic harmony like 'Marathi Bhasha Gaurav Din' and International Mother Language Day. Students are supposed to give speech in any of their own language which makes the language barrier free and also to promote awareness of linguistic, cultural diversity and multilingualism.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

College sensitizes its students and employees towards constitutional obligations. College celebrates the Constitution Day on 26th November of every year and a programme will be organized by inviting lawyers, judges to create awareness about fundamental rights, duties, structure of the polity, freedom and freedom struggle, educational rights, equal opportunities, opportunities for minorities and weaker section of society, discrimination of caste, gender, religion, race, language, color, duties and responsibilities among the students and staff. Awareness programmes are conducted on a regular basis such as Right to education implementation and its loopholes, 25% reservation for under-privileged students, Women's day, Women's rights and practical issues related to the welfare and

equal opportunities for Women faculty, staff and students, Human rights day on 10th December among students such as digital and non-digital games on social issues ([www.gamesforchange.org](http://www.gamesforchange.org)), games on human rights, citizenship, anti-discrimination ([www.youth-egames.org](http://www.youth-egames.org)), Orientation sessions were conducted on 15th August etc.

Lectures will be arranged by inviting the District Magistrate of Kakinada to create awareness about the Supreme Court and High Courts of India, judicial system and its functioning. Guest talks also arranged to educate law making procedure, ordinances, bills and acts, assembly and parliament houses by inviting renowned persons.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/7/7.1.9.pdf">http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/7/7.1.9.pdf</a>
Any other relevant information	Nil

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff** A. All of the above  
**4. Annual awareness programmes on Code of Conduct are organized**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

College is committed to provide value based education to achieve holistic development of students and also observes/celebrates commemorative days, events and festivals predominantly. As a part of it, national festivals such as Independence Day, Republic Day and Gandhi Jayanthi will be celebrated along with activities after flag hoisting to create sense of nationalism, patriotism and social responsibility by conducting essay writing, debates, group discussions and invited lectures.

College also celebrates/observes International Womens' Day by inviting women achievers to share their experiences along with case studies, Newton day, Earth day, Ozone day, National youth day, Netaji's birth day, Martyr's Day, National Science Day, International Yoga Day, World Environmental Day, Teachers Day, Engineers Day, NSS Day, World AIDS Day and organizes 'No Plastic' campaign. Various activities will be organized to create awareness and importance of commemorative days among the students.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

**Best Practice 1: Emphasis on training needs and special training to specific groups to enhance the employability, innovation and entrepreneurship.**

The objective is to achieve by strengthening the learners' fraternity in terms of domain-specific knowledge along with necessary skills. This practice was implemented from 2016-2020 batch. Training provided in other forms such as assigning minor/major projects and asking learners to complete project with the help of faculty mentors. It was experienced while doing so and noted the following observations:

### 1. Learn by doing

2. Exposure to the real world

3. Productive use of theoretical/laboratory knowledge

4. Application of knowledge and skills in real-time environment without any hassle.

**Best Practice2: Research orientation and inculcating the spirit of research among learners and faculty.**

Learners initially have an anxious feeling to take up work related to minor/major work and their apprehensions are taken care by assigning mentors, explain the process, initiate process as per plan, help them to interpret the results, prepare the outcome as a bulletin and the following points are observed while implementing this practice:

1. Better understanding of concepts
2. Improvement in confidence levels and problem-solving skills
3. Improved quality in teaching-learning process
4. Publish research articles in reputed Conferences/Journals

File Description	Documents
Best practices in the Institutional website	<a href="http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/7/7.2.1.pdf">http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/7/7.2.1.pdf</a>
Any other relevant information	Nil

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Aditya College of Engineering 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 amotto 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 in to the following:

- (a) Excellence in Academics
- (b) Exploration of Knowledge through Research
- (c) Excitement of Innovation & Entrepreneurship
- (d) Exponent for Development of a Rounded Personality with Global Vision and Social Responsibility.

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.

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

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

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

As per the established norms, IQAC of the institution asks all the departments to prepare the curriculum plan before beginning of academic year and the same is consolidated after the necessary approvals. HODs allocate courses to all the faculty members based on their specialization, experience before the beginning of the semester/academic year and conduct meetings with all faculty members and prepare curriculum plan as per the schedules given by JNTUK which include syllabus coverage, deployment strategies, seminars, guest lectures, workshops and industrial visits as per the requirements along with the cross cutting issues.

Teachers are encouraged to deliver the course contents effectively using ICT and other innovative methods. The implementation of curriculum will be monitored continuously by the HoDs and the Principal. If there is any deviation then it will be taken care by the administration by providing necessary solution.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="http://www.acoe.edu.in/acoe_NAAC/criterias/1/1.1.1.pdf">http://www.acoe.edu.in/acoe_NAAC/criterias/1/1.1.1.pdf</a>

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

ACOE is affiliated to JNTUK and adheres to the academic calendar include the conduct of CIE. College strongly believes that

teaching-learning and evaluation are two sides of the same coin. The University mandated assessment is summative assessment. However, there is a need to evaluate the learning on a continuous basis so that customized strategies are made to cause positive interventions in teaching and learning.

College has developed a two pronged strategy for the assessment of students on a continuous basis which are Formative and Summative Assessments. Formative assessment includes class tests, slip tests, surprise tests, presentations, seminars, peer teaching, peer learning etc. and evaluated by teachers on day-to-day basis. Summative assessment is mandated by affiliating university includes mid-term examinations, semester-end examinations with credit-based grading system with effect from AY 2016-17 for theory courses and laboratory courses as per the pre-set schedules. Similarly, Project Review Committee (PRC) reviews the progress of students' projects periodically and evaluates the students' performance.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="http://www.acoe.edu.in/acoe_NAAC/criterias/1/1.1.2.pdf">http://www.acoe.edu.in/acoe_NAAC/criterias/1/1.1.2.pdf</a>

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

**A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

<b>1.2 - Academic Flexibility</b>	
<b>1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</b>	
<b>1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented</b>	
13	
File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
<b>1.2.2 - Number of Add on /Certificate programs offered during the year</b>	
<b>1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)</b>	
17	
File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>
<b>1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year</b>	
1442	
File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>
<b>1.3 - Curriculum Enrichment</b>	

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

College incorporates the cross cutting issues like gender sensitization, environment and sustainability, human values and professional ethics while preparing the curriculum plan. College promotes good practices to prevent sexual harassment of women and girls students and stern action will be initiated in case of violation of policies, rules and implements zero-tolerance policy. Women Empowerment Cell named as "Nari Sakthi" and Prevention of Sexual harassment committee is named "Abhaya" organizes programmes to create awareness and through which students can know the equality of men and women in the society. Equal opportunities are given to both the genders in terms of admissions, employment, training programs, sports activities etc. Management encourages all the faculty and students to participate in events focusing on women empowerment. Today, industrialization and globalization making the society as concrete jungles leaving the environment with all types of pollutions and it is very important to create awareness among stakeholders to protect the environment. 'Environmental Studies' and 'Professional Ethics and Human Values' are mandatory courses for all the disciplines of UG programmes to inculcate the sense of time management, ethics and values. College implements all the policies to keep the campus as clean and green.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

321

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

763

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

### 1.4 - Feedback System

<b>1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni</b>	<b>A. All of the above</b>
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File Description	Documents
URL for stakeholder feedback report	<a href="http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/1/1.4.1.pdf">http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/1/1.4.1.pdf</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	No File Uploaded

<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
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File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	<a href="http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/1/1.4.2.pdf">http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/1/1.4.2.pdf</a>

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment Number Number of students admitted during the year

##### 2.1.1.1 - Number of students admitted during the year

782

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

#### 2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

##### 2.1.2.1 - Number of actual students admitted from the reserved categories during the year

391

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

### 2.2 - Catering to Student Diversity

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

The Institution plans and implements a systematic approach so that the learners build their skill-set from foundation and to

help them to excel in their academics along with the overall development. The institution implements the best practices of teaching-learning with established procedures. Students will be assessed based on their score in qualifying examination at entry level and assessment will be done in subsequent semesters depending on their performance in mid-term examinations. Moreover, faculty members will monitor continuously the students through formative assessment. Learners are guided to take up additional courses such as NPTEL courses, MOOCs, ORACLE certification, Microsoft certification, Tools like MATLAB, Android OS, PS-CAD, MI-Power, P-SPICE, CAD/CAM etc. and they are encouraged to take internships in reputed corporates such as Amazon, Wipro etc. Learners are also motivated to take pre-assessment examinations such as AMCAT and COCUBES to assess themselves and improve further. Major emphasis will be given on communication and special programmes will be scheduled to improve the learner's communication.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
2430	186

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

### 2.3 - Teaching- Learning Process

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

College implements student centric methods in the form of clubs, cells and organizes individual and group activities such as technical symposiums, youth festivals, seminars/presentations inside and outside the college project exhibitions, internships/industrial visits. Experiential learning happens through practical, projects, industrial visits, internships and through organizing the events. Participative learning happens

through role play, group work, case studies, seminars and presentations in the symposiums organized by the students for the students. Engineering graduate should be in a position to provide meaningful and qualitative solutions to the problems raised in day-to-day life as well as in the society. Students are made to solve the numerical in the prescribed courses in the form of assignments, tests, question and answer sessions and motivated to participate in the events organized inside and outside the campus. All the possible methodologies are adopted by the college to provide better learning experience to the student. Teachers use ICT and other tools and promote self-learning among students along with interactive sessions in the class rooms, Q & A sessions and seminars on course topics/projects.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Teachers of the college use ICT enabled tools for effective teaching-learning process. The facilities related to infrastructure are being upgraded from time to time. Faculty members are at liberty to use any facility whenever necessary. Teachers use chalk and talk, power point presentations, animations and video lectures to visualize the concepts and principles and also use NPTEL video lectures and other E-learning resources such as Udemy, Coursera etc. Teachers demonstrate the experiments during laboratory sessions to enhance the practical knowledge of learners. Teachers also conduct various tests, assessment tests and training tests online.

All the class rooms and seminar halls are equipped with LCD projectors with systems, Wi-Fi facility and digital library resources. All the departments are provided with internet facility through local area network. College has the smart classroom and maintains LMS i.e. MOODLE. Teachers were trained to use Microsoft Teams online platform to conduct the online classes for students during pandemic situation and online classes were conducted successfully.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

134

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

### 2.4 - Teacher Profile and Quality

#### 2.4.1 - Number of full time teachers against sanctioned posts during the year

186

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

#### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

##### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

23	
File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<a href="#">View File</a>
<b>2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)</b>	
<b>2.4.3.1 - Total experience of full-time teachers</b>	
716	
File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>
<b>2.5 - Evaluation Process and Reforms</b>	
2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.	
<p>College maintains internal assessment mechanism very transparently. College developed SOP and implements both formative and summative assessments to evaluate the performance of the students. Formative assessment will be carried out by the course instructors individually during the semester and summative assessment will be carried out as per the norms laid down by the University. Formative assessment will be carried in the form of slip tests, question and answer sessions, presentations, seminars and summative assessment will be implemented through mid-term examinations for 30% and end examinations for 70% as per the University norms. The outcome of the assessment will be notified to the students from time to time immediately after evaluation. Students are motivated and encouraged to focus on academics, if there is any deviation found. Assessment strategies ensure the transparency in the system and make the learners to improve their performance gradually through the duration of study of programme.</p>	

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	<a href="http://www.acoe.edu.in/Committees/2020/2020%20-%2021%20%20Examinations.pdf">http://www.acoe.edu.in/Committees/2020/2020%20-%2021%20%20Examinations.pdf</a>

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

College maintains Grievance Redressal cell and all the students are at liberty to record their grievances in the register, if any. Regarding Formative Assessment, a student is free to contact the concerned class teacher to redress his or her grievances. The continuous evaluation of students is carried out by the faculty members during theory lectures, labs, assignments, unit tests and awarding of marks for internal examinations based on defined strategies and displayed on notice board. In case the grievances are not redressed at the level of the class teacher and HoD, a student can meet the Principal regarding the examinations related grievances. Students can register their grievances in the register located in the examinations cell or can contact the faculty member or HoD/Dean/Principal to resolve any issue relevant to internal examinations. A registered grievance will be forwarded to the person concerned immediately and the HoD concerned will be assigned to take care of it and resolved completely within no time. The defined system of the college is being implemented effectively.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

The institution has adopted OBE approach and accordingly Programme Educational Objectives (PEOs), Programme Specific Outcome (PSOs) and Course outcomes (COs) are developed. Curriculum plan with deployment strategies are prepared and implemented to attain the outcomes. Programme outcomes (POs) are adopted as defined by NBA and vision and mission of the institute

are displayed on college website (<http://www.acoe.edu.in/index.php?p=Vision-Mission>). Similarly, vision and mission of the departments, PEOs, PSOs and POs are also displayed on college web site (<http://www.acoe.edu.in/index.php?p=ECE>). The outcomes are also displayed in all the class rooms, laboratories and corridors and published in course files. All the outcomes are communicated to teachers and students and induction programmes are organized periodically or as per the need to create awareness on the vision, mission and other outcomes.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

Institute evaluates the attainment of Programme Outcomes (POs) and course outcomes (COs).

Faculty members will prepare the outcomes like COs, CO-PO map matrix, lesson plan, delivery strategies before commencement of class work and continuous evaluation will be carried out in the form of slip tests, presentations, seminars and adopts formative and summative assessments to assess the performance of students. CO-PO mapping would be carried out on a 3-point scale. Summative assessment will be considered to calculate the attainments of outcomes for theory and laboratory courses.

Attainments are computed by taking 30% weightage for internal examinations and 70% weightage for external examinations for theory and laboratory courses. If the computed attainment is more than the set target then it is taken as 'Target achieved' otherwise 'not achieved'. In both the cases, the observations are noted and analyzed and proposed action will be implemented to improve further. All the outcomes are recorded in course files maintained by the faculty members and they are evaluated by the Head of Department/Dean/Principal.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

### 2.6.3 - Pass percentage of Students during the year

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

442

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	<a href="http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/6/6.5.3%20%20%20-Anual%20report%2020-21.pdf">http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/6/6.5.3%20%20%20-Anual%20report%2020-21.pdf</a>

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/2/2.7.1%20SS%202020-2021.pdf>

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Resource Mobilization for Research

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

##### 3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.03

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

### 3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

#### 3.1.2.1 - Number of teachers recognized as research guides

17

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

### 3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

#### 3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

5

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	Nil

### 3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

College created ecosystem with all the required infrastructure, resources, confidence for enhancement of the capacity and

competencies of students and teachers in research and innovative activities. The faculty members are allowed to take up research activities utilizing the existing facilities. The college has a Research and Development Cell to monitor and address the issues of research. To boost it further, the College established Technical Hub to improve the engineering skills by providing Skill development courses and organize different events, TI (teaching & innovation) Lab works with the student's innovative ideas with the help from Texas Instruments India with an MOU. Student activity council (SAC) is a student - led venture accelerator that fosters the development of entrepreneurs in the Aditya College of Engineering community through the educational experience of developing an eco-system for a business from concept to launch. College utilizes Microsoft Teams and mlibrary apps to transfer the knowledge effectively during pandemic situation. College maintains Centers of Excellence, namely, Centre of Excellence in AR & VR; Centre of Excellence in Additive Manufacturing apart from having MOUs with different organizations. The ecosystem developed by the college produced a few startups such GetMyTailor (<http://getmytailor.com/>); Nightout; QQadz (<https://qqadz.com/>) and Karanam Technologies (<http://karanamtech.com/>).

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

### 3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

#### 3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

7

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

<b>3.3 - Research Publications and Awards</b>	
<b>3.3.1 - Number of Ph.Ds registered per eligible teacher during the year</b>	
<b>3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year</b>	
1	
<b>File Description</b>	<b>Documents</b>
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year</b>	
<b>3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year</b>	
41	
<b>File Description</b>	<b>Documents</b>
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>
<b>3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year</b>	
<b>3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year</b>	
31	
<b>File Description</b>	<b>Documents</b>
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for the holistic development of students by motivating them to take part and associate themselves in various programmes such as blood-donation camps, health-checkup programmes. Social services activities like NSS activities are conducted as per the schedule to promote moral and emotional development, social and spiritual development among the students. Motto of NSS is "NOT ME BUT YOU" and expresses the essence of democratic living and upholds the need to appreciate the other man's point of view first and to show consideration for fellow human beings. It also underlines that the welfare of an individual is ultimately dependent on the welfare of society as a whole. Faculty members along with the students have participated and rendered meritorious services of Live Webcasting in connection with Panchayat Elections organized by the District Rural Development Agency, East Godavari District, Andhra Pradesh. A few activities were conducted as a part of NSS programme due to the COVID-19 pandemic and the Government restrictions.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year**

**3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year**

3

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

**3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year**

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

5

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**

**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

576

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

**3.5 - Collaboration****3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year****3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year**

16

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	<a href="#">View File</a>
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

**3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year****3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year**

21

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

**INFRASTRUCTURE AND LEARNING RESOURCES****4.1 - Physical Facilities**

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

College is located in a lush green campus with serene environment, spread across in 11.27 Acres of land and maintaining its infrastructure as per AICTE norms and utilizes all the

facilities optimally based on the requirements. College is having 45 class rooms with proper ventilation and necessary furniture to accommodate the students apart from 7 seminar halls with LCD projectors, computers with internet facility, PA systems for organizing Seminars, Guest lectures, Workshops, Symposiums, Conferences and FDPs. College at present maintains 706 computers and all are connected through LAN with 120 KVA central UPS facility to support computers and projectors.

College having 2196.12 Sq. m as administrative area contains board room, office HoDs cabins, dining halls, Faculty cubicles with furniture, Wi-Fi. Students' amenities area of 1656 Sq. m., circulation area of 4,400.00 Sq. m along with rest rooms and wash rooms with area of 20,466 Sq. m, well-equipped laboratories such as language laboratory, multi-purpose halls, canteen, hostels, Guest room, 24 hours security, common rooms and toilets. Central library is being maintained with adequate number of books, journals, magazines, news papers, books related to competitive examinations to accommodate strength of 250. CCTV cameras are installed for 24 hours vigilance with generator facility.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.acoe.edu.in/?p=Class-Rooms">http://www.acoe.edu.in/?p=Class-Rooms</a>

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

College provides adequate facilities for the students to participate in sports and games. Outdoor and indoor games facilities available in the campus are effectively used by the students. Facilities for the outdoor games such as Basketball, Throw Ball, Cricket, Hockey, Volleyball, Ball Badminton, Foot Ball, Kho-Kho and Kabadi etc and the indoor game facilities for Table Tennis, Caroms, Chess, are available. Sports equipment, uniforms, kits are made available and students practice daily and college encourages students to play for inter-college, state level, national level tournaments by providing allowances. Students grabbed job opportunities based on their excellence in sports.

College maintains a gymnasium facilities spread over 13mX12m. The gym equipment comprises Multi-Bench, Lal-Pull Down, Fly Rear Delt

Machine, Functional Training Machine, Predute Curl Machine, Smith Machine, Hyper Extension, hack Squal and Leg Press, Vertical Row Machine, Power Case, Shoulder Lateral Raise Machine, Olympia Plates, Dumble, Curl Bars, Olympia rods. A Yoga hall of size 45m X 20m with 90 mats to conduct yoga classes is made available. All seven seminar halls are utilized as auditoriums for cultural activities, technical symposiums, youth festivals, and competitions. Music concerts, skits, folk dances, classical dances, singing, theatrical activities, fine arts activities, quizzes.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

52

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

##### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

34.16

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

College maintains spacious Central Library with an area of 900 Sq m. and utilized by the faculty members and students to enhance their knowledge. Library is well equipped with a reading capacity of 250 readers and Wi-Fi enabled. Digital library is made available with 20 computers with internet connectivity. Library is automated using Integrated Library Management System (ILMS) and the details are presented

- Name of the ILMS : ECAP
- Year of Automation : From 2008 to 2017 EZ-SCHOOL, From 2018 onwards, ECAP, V5.0
- Technology : Barcode
- Partial/fully automated : Fully automated
- Available bandwidth : 100Mbps

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	Nil

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

#### 4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

##### 4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

6.34

File Description	Documents
Any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

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

380

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

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

College is committed to provide the best and the state of the art infrastructure facilities as per the requirements of statutory bodies as well as that of stakeholders. IT infrastructure is continuously upgraded to promote better teaching-learning facilities, research facilities and general facilities in

consultation with the stakeholders. Internet facility is provided with two separate bandwidths, i.e. 100 MBPS and 60 MBPS from BSNL. Both lines will be used separately for academics and examination purposes. Internet services are available 24 x 7 in providing all the required resources. College established LAN with network points in departments, laboratories, hostels. Wi-Fi routers are provided at different points for internet access.

Central computing centre established in 2010 with an area of around 300 Sq. m. for consolidating and managing network operations from various servers like App servers, DB servers and computer clusters into a single facility. Center houses 10 racks mounted with servers and computer cluster nodes for hosting the services such as college official website, intranet portal, MIS, Moodle as LMS, ILMS. Server configuration includes high power computing Dell Power Edge R730 Server with 3.6 TB capacities. Enterprise firewall checkpoint has been deployed for providing a secured network.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.3.2 - Number of Computers

706

File Description	Documents
Upload any additional information	<a href="#">View File</a>
List of Computers	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

**4.4 - Maintenance of Campus Infrastructure****4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

10.95

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

College has central committee takes care of maintenance of buildings, classrooms and laboratories. Committee along with AO monitors the work. Supervisor is accountable to AO and functions as the coordinator who efficiently organizes the workforce, maintaining duty files about their individual floor - wise responsibilities, timings, leave etc. AO conducts periodic checks to ensure efficiency/working condition of infrastructure. Adequate in-house staff is employed to maintain hygiene, cleanliness, greenery and infrastructure on the campus so as to provide a congenial learning environment. Classrooms, Staff rooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly. Wash rooms and rest rooms are well maintained by the cleaner. Technical staff is appointed on contract basis to do the maintenance of Generator, Air Conditioners, CCTV cameras and Water Purifiers. Apart from contract workers, college maintains trained in-house staff to rectify minor problems/maintenance. Any complaint related to maintenance of infrastructure will be attended by supervisor and ensures that it will be resolved. System administrator with hardware technicians and programmers maintain computers, network accessories and required software installations. Continuous monitoring through Surveillance Cameras, Stock verification of books, equipment of sports, maintenance of grounds and other facilities, dust bins etc is a regular process in the campus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://acoe.edu.in/Committees/2020/BWC_2020-21.pdf">http://acoe.edu.in/Committees/2020/BWC_2020-21.pdf</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

1526

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefitted by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

##### 5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

837

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>
<b>5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills</b>	<b>A. All of the above</b>
File Description	Documents
Link to Institutional website	<b>Nil</b>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>
<b>5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<b>1899</b>	
<b>5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<b>1899</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>
<b>5.1.5 - The Institution has a transparent mechanism for timely redressal of student</b>	<b>A. All of the above</b>

**grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

**322**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

**111**

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

**5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**

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

2

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

**5.3 - Student Participation and Activities**

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

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

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	<a href="#">View File</a>
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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

Institute strongly believes in giving opportunity to the students in supporting the authorities and the faculty members in running all the activities of institute viz. curricular, co curricular and extracurricular activities. For this reason, institute provides the student community with all possible opportunities to participate in the various academic and administrative bodies. Statute regarding the formation and function of Aditya College of Engineering formerly known as Sri Aditya Engineering College Students Union were framed and implemented. It incorporates all provisions, objectives, functions, organization, selection process, criteria, fund and budget etc of the Students' Council and the Principal will set a date for the selection of representative(s) to the Student Council and its formation.

Institute encourages students' representation in various academic, co curricular and extracurricular activities along with sports and games, to increase discipline; democratic outlook; social harmony; spirit of oneness; cultural and academic development; healthy relationship between students and teachers; leadership; self-reliance. Students are made as members in all the committees and they try to attend the meetings and observed that students also participate actively in all the activities.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

#### 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

8

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	<a href="#">View File</a>

### 5.4 - Alumni Engagement

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

Aditya Alumni Association (AAA) is registered with 20 members initially. It is functional from then, highly proactive and greatly supportive for the wellness of the institute. It has a governing body with President, Vice president, Secretary, Treasurer and General Secretary. College feels proud of its Alumni association which extends its direct and indirect help to the management and to the students through various means. Alumni of our college are placed in prestigious companies like, CGI, TCS, INFOSYS, Tech-Mahindra, Caliber Technologies, Amazon Ltd etc., and all of them are made according to the vision and mission of our institution.

The alumni association contributes significantly through financial and non-financial means. They provide structured feedback on the syllabus, exam patterns and infrastructural facilities and suggestions given by alumni are implemented. Alumni meet which is merely interactive meeting will be conducted annually and alumnus share their experiences from campus life to career life. Some interested alumni are invited to talk on their success stories and victorious moments along with job opportunities with their teachers and students. Alumni

association assists economically poor students with financial aid by giving meritorious awards through NGOs like Sadhya foundation, Helping hands etc.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**

E. <1Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

Aditya College of Engineering, Surampalem pioneering under the leadership, Sri. N. Satish Reddy, Vice Chairman with a motto of providing quality education to young aspirants. The Governing Body comprises eminent personalities from the Society, Academicians, Faculty representatives, State Government and University representatives. All the activities are carried out by various committees.

Institute is academically and administratively headed by the Principal. He is the Member Secretary of Governing Body and is assisted by Dean (Academics & Administration), Internal Quality Assurance Cell (IQAC), Administrative Officer, and Coordinators of various institute level committees.

The Heads of Department prepare the plan (Curricular, Co-curricular & Extra-curricular activities) in line with the vision and mission of the institute as per the direction of IQAC. Further it is submitted to the Principal for approval through IQAC. The IQAC ensures effective execution of teaching methodology of courses, maintenance of academic standards, and student welfare. This would bring transparency to the governance and inherently encourages participative management thereby

aligning to the vision and mission of the institute.

File Description	Documents
Paste link for additional information	<a href="http://www.acoe.edu.in/index.php?p=Vision-Mission">http://www.acoe.edu.in/index.php?p=Vision-Mission</a>
Upload any additional information	<a href="#">View File</a>

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

College practices and implements decentralization and participative management and believes in delegating responsibility in top-down approach. This gives an opportunity for all to participate in various activities of the college and play a considerable role in different committees of the college and this can be presented through a case study happened in the year 2021.

All the heads of the department were in the meeting with the Principal. It is a practice in the college that all the mobile phones during meetings must be in mute/vibrating mode. One of the students from one department got a phone call from his parents that his grandfather expired and come home immediately. That was the situation where HoD was in meeting and In-Charge was on leave due to ill health. Therefore, department operators took the initiative and helped the student in obtaining permission and out-pass to leave the campus by informing a senior faculty from that department. Later informed the same to HoD and the Principal.

In this way, faculty members, laboratory technicians and operators take initiative and execute the activities in sudden/emergency situations.

File Description	Documents
Paste link for additional information	<a href="http://www.acoe.edu.in/?p=IQAC#tab10">http://www.acoe.edu.in/?p=IQAC#tab10</a>
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

College deployed perspective plan successfully and this can be illustrated through one such activity.

It was decided that consumption of power should be reduced and depend on renewable energy such as solar energy. This was intended to reduce the power bills. Necessary permissions and approvals were taken, PV cells purchased and installed on roof-top of the college and students were also asked to participate in the installation and commissioning along with the experts to gain exposure. The generating capacity of solar power plant is 300KW through 929 panels and generated DC power will be inverted to AC through 6 inverters each is of 50 KVA capacity. Energy which is generated by solar plant is directed towards load and the remaining is being diverted to the grid.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Governing body is the apex authority which decides the direction, making policies, implementation of policies, decisions related to finance and infrastructure and ensures the quality of the system. Chairman/Vice Chairman conducts review meetings periodically or as and when necessary with the Principal, Dean, HoDs and other senior staff members to check the progress related to academics, research and administration.

Principal is the head of the college and makes the decisions pertaining to academic and administrative strategies and will be the Chairman of all committees. Principal executes all the policies, implements the strategies, prepare the reports and submit to the Governing body. All the grievances will be redressed appropriately by the committees at the earliest.

Heads of the departments will be the In-Charges for their respective departments and Administrative officer is the In-

Charge of all administrative functions such as maintenance, transport, canteens etc.

Policies and procedures have been established for the staff appointments, promotions, service rules, code of conduct, maintain discipline in the campus, incentives and welfare of students and staff. All the norms and policies will be conveyed to all the stakeholders from time to time and the same will be displayed through the college web site also.

File Description	Documents
Paste link for additional information	<a href="http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/6/ACOE-Policy_manual-V2.pdf">http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/6/ACOE-Policy_manual-V2.pdf</a>
Link to Organogram of the institution webpage	<a href="http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/6/INSTITUTION%20ORGANOGRAM%20-Final.pdf">http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/6/INSTITUTION%20ORGANOGRAM%20-Final.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

College considers staff as its strength that plays a key role in the development and growth. College initiated several welfare

measures to enrich psychological and physical health of all employees and create better work environment. The motive of creating a better and vibrant atmosphere is that the talent pool can teach, guide and inspire the young engineering aspirants and can contribute the best. College implemented effective welfare measures for teaching and non-teaching staff for both professional and personal growth and they are Transport, Group insurance, ESI, PF, Canteen, Summer vacation, Maternity/Paternity leave, Medical leave, Fee concession to the children of employees, Research/Publication incentives, Sponsorship for Training programmes and online courses, Promotions as per norms, Compensatory/ Special leave, Fee towards professional bodies membership, OD (On-Duty/Official duty) will be granted to staff members when he/she is deputed official work, Uniform for all technicians/non-teaching staff, Salary advance will be provided to the needy and is recoverable against their salary.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### **6.3.2 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

#### **6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

46

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### **6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**

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

11

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**

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

**136**

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

College implements the performance appraisal system for teaching and non-teaching staff based on the key performance indicators and specific format will be used for this purpose. Name, qualifications, experience, subjects taught, results, feedback of

the students, pass percentage, mentoring, discipline, conferences/workshops attended, books published, research publications in conferences and journals, administrative responsibilities and along with the remarks of HoD and the Principal for all the teaching staff and Name, qualifications, experience, discipline and responsibilities and along with the remarks of HoD and the Principal for all non-teaching staff.

Appraisal formats are asked to fill-in by the staff members for self-evaluation and HoD will interact with every employee and remarks will be posted and forwarded to the Principal for evaluation. Final evaluation will be carried out by the panel consist the Management representative, Director and the Principal. Staff members will be given increment/promotion based on the evaluation.

Appraisal system of the college proved to be good among all employees in bringing the extraordinary performances, underperformers to perform, impact of statistics in improving, healthy discussions and motivation to improve overall growth and development of the individuals as well as the college.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

#### 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institution has adequate mechanism to conduct the internal and external financial audits. The objective is to maintain proper accounting system and for the smooth flow of funds and its utilization and audit was carried out for the year 2020-21.

Internal Audit is performed by the officials deputed by the Governing Body and the reports are submitted. Internal audit team carries audits regularly and submits the quarterly reports.

External audit will be conducted by the registered auditors at the end of financial year after closing the accounts in compliance with Companies Act 2013 and Income Tax Act 1961. Mr.

V. V. Satyanarayana, Chartered Accountant, bearing the number 022084 conducts the external audit for the college.

File Description	Documents
Paste link for additional information	<a href="http://www.acoe.edu.in/audit_statements/AY2021-22.pdf">http://www.acoe.edu.in/audit_statements/AY2021-22.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

##### 6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0.42

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

College is a self-financing institution and mobilization of funds is done through tuition fee from students which will be received from Government of Andhra Pradesh under fee-reimbursement scheme.

Further, fee collections for the other services rendered to the students for example, student transportation fee, hostel fee, registration fee collections for workshops and skill enhancement activities, grants received from government bodies, non-government bodies, philanthropists and alumni.

Utilization of funds: Budgets will be allocated to each department to meet the annual expenses and monitored for proper utilization. In the beginning of academic year, every department proposes their budget and total budget will be consolidated by the principal which will be reviewed and approved by the Governing body.

Funds will be utilized for infrastructure development and salaries, campus maintenance, training, laboratory consumables, library books, expenses for workshops, events, club activities, faculty development and student skill development programmes etc.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 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

**IQAC of the college contributes significantly and the following two practices are institutionalized.**

### Practice 1:

**Facilitating Digitization of Teaching-Learning Process:** IQAC initiated to implement to create digital classes while teachers teach the lessons as a part of Learning Management System. Teachers will be ready with all teaching content such as video lectures, study materials as per lesson plan and the class work goes on as per the academic calendar. Feedback will be collected from students periodically to ensure the quality of the system.

### Practice 2:

**Implementation of Outcome-Based Education:** Outcome Based Education is another initiative by IQAC and IQAC organized the workshops by inviting experts to explain OBE approach to all the teaching staff members. As a part of this initiative, teaching staff prepared programme educational objectives (PEOs), programme specific outcomes (PSOs) and teaching staff members are able to write course outcomes (COs), Correlation of Cos with POs and PSOs, Preparation of question papers using Blooms Taxonomy levels of learning and attainment of POs, PSOs for each course which facilitates to implement OBE in the college.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

College reviews its teaching-learning processes, structures and methodologies periodically and the examples are presented here.

**Example 1:**

**Review Mechanism of Teaching-Learning Process:** Review of teaching learning process will be carried out through attendance reports, performance of students in mid-term examinations and assignments, lesson plans and syllabus coverage, classes and laboratory sessions conducted as per the academic calendar issued by the university, Course materials, remedial classes for slow learners and participation of students in co and extracurricular activities etc.

**Example 2:**

**Attainment of COs, POs and PSOs:** As a part of OBE implementation, IQAC reviews the attainment of COs, POs and PSOs after publishing the results by the University and analyzes the gap between target and attained levels. If the targets are achieved then IQAC suggests to increase the target level for the next semester otherwise IQAC suggest the teaching staff members to identify the probable cause in the form of observations and corresponding action to be initiated by the faculty member/HoD to achieve the target.

File Description	Documents
Paste link for additional information	<a href="http://www.acoe.edu.in/IQAC/IQAC_MINUTES_2020-21.pdf">http://www.acoe.edu.in/IQAC/IQAC_MINUTES_2020-21.pdf</a>
Upload any additional information	<a href="#">View File</a>

**6.5.3 - Quality assurance initiatives of the**

**A. All of the above**

**institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/6/AAA-2020-21-All%20branches.pdf">http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/6/AAA-2020-21-All%20branches.pdf</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## **INSTITUTIONAL VALUES AND BEST PRACTICES**

### **7.1 - Institutional Values and Social Responsibilities**

#### **7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year**

College is committed to provide a safe and secure environment for all the stakeholders. College respects the needs and aspirations of all the stakeholders and is committed to provide hassle-free environment with all facilities to empower the stakeholders. No practice of discrimination but inclusiveness is practiced in the college and all the genders are equally treated. At present, 35% of available positions are occupied by women in both teaching and non-teaching staff and additional measures are taken to accommodate the people from all categories. College promotes good practices to prevent sexual harassment of women and girl students and a zero tolerance campus is offered through prevention and policy for stern action in case of violation is put in place. Women Empowerment Cell, named as "NariSakthi" and Prevention of Sexual Harassment Cell named "Abhaya" organize programmes relevant to gender equity and gender sensitivity. Several measures are initiated to prevent abuse, ragging, teasing and

harassment and zero tolerance campus against oppression is provided through many steps, viz, CCTV cameras, valid ID cards, online grievance redressal (<http://acoe.edu.in/?p=Grievance>), "Cheyutha" (means Helping hand), Lady attendants for monitoring near girls waiting rooms.

File Description	Documents
Annual gender sensitization action plan	<a href="http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/7/7.1.1-b.pdf">http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/7/7.1.1-b.pdf</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/7/7.1.1-a.pdf">http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/7/7.1.1-a.pdf</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

**A. 4 or All of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management**

College is committed to provide a sustainable campus which is eco-friendly with energy conservation system and has appointed separate teams for gardening and beautification by planting several saplings. College implements Swachh Bharat Abhiyan campaign and conducts related activities such as "Haritha Haram" programme, cleaning of roads, solid and liquid waste disposal and management.

College initiated all the measures to manage all types of wastes generated in the campus such as colored bins, paper-less administration, composting of bio-degradable waste, No plastics,

Collection of sewage water and recycling and use for gardening and cleaning, refilling of cartridges, recharging/replacing of batteries, donating old electronic equipment to poor students in rural areas, disposal of obsolete items through certified E-Waste recyclers (M/s Veera waste management systems), proper monitoring when students work with chemicals, gases to avoid reactions and hazards, reuse of wooden scrap by mending damaged furniture.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

### 7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

**7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following**  
**1.Green audit 2. Energy audit**  
**3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities**

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institution is highly committed to promote a cultural harmony in our students, faculty and staff. The college organizes and celebrates various national and local festivals for achieving, inculcating cultural integrity amongst the students. To build a nation of youth who are noble in their attitude and morally responsible, the College organizes national festivals and birth/death anniversaries of Great Indian personalities.

The institutional efforts/initiatives in the regard are as follows:

The republic day and Rashtriya Ekta Diwas are celebrated in the Aditya college of Engineering aimed to reiterate and reorient the students towards the values and principles articulated in the Indian Constitution and encouraging all the students to play their rightful role in strengthening the Indian Democracy and also provide an opportunity to re-affirm the integral strength and resilience of our nation to withstand the actual and potential threats to the unity, integrity and security of our country.

The College also organizes activities for linguistic harmony like 'Marathi Bhasha Gaurav Din' and International Mother Language Day. Students are supposed to give speech in any of their own language which makes the language barrier free and also to promote awareness of linguistic, cultural diversity and

**multilingualism.**

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens**

College sensitizes its students and employees towards constitutional obligations. College celebrates the Constitution Day on 26th November of every year and a programme will be organized by inviting lawyers, judges to create awareness about fundamental rights, duties, structure of the polity, freedom and freedom struggle, educational rights, equal opportunities, opportunities for minorities and weaker section of society, discrimination of caste, gender, religion, race, language, color, duties and responsibilities among the students and staff. Awareness programmes are conducted on a regular basis such as Right to education implementation and its loopholes, 25% reservation for under-privileged students, Women's day, Women's rights and practical issues related to the welfare and equal opportunities for Women faculty, staff and students, Human rights day on 10th December among students such as digital and non-digital games on social issues ([www.gamesforchange.org](http://www.gamesforchange.org)), games on human rights, citizenship, anti-discrimination ([www.youth-egames.org](http://www.youth-egames.org)), Orientation sessions were conducted on 15th August etc.

Lectures will be arranged by inviting the District Magistrate of Kakinada to create awareness about the Supreme Court and High Courts of India, judicial system and its functioning. Guest talks also arranged to educate law making procedure, ordinances, bills and acts, assembly and parliament houses by inviting renowned persons.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/7/7.1.9.pdf">http://www.acoe.edu.in/uploads/AOARs2020-21/criterias/7/7.1.9.pdf</a>
Any other relevant information	Nil

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized**

A. All of the above

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

College is committed to provide value based education to achieve holistic development of students and also observes/celebrates commemorative days, events and festivals predominantly. As a part of it, national festivals such as Independence Day, Republic Day and Gandhi Jayanthi will be celebrated along with activities after flag hoisting to create sense of nationalism, patriotism and social responsibility by conducting essay writing, debates, group discussions and invited lectures.

College also celebrates/observes International Womens' Day by inviting women achievers to share their experiences along with case studies, Newton day, Earth day, Ozone day, National youth day, Netaji's birth day, Martyr's Day, National Science Day, International Yoga Day, World Environmental Day, Teachers Day, Engineers Day, NSS Day, World AIDS Day and organizes 'No Plastic' campaign. Various activities will be organized to create awareness and importance of commemorative days among the students.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

**Best Practice 1: Emphasis on training needs and special training to specific groups to enhance the employability, innovation and entrepreneurship.**

The objective is to achieve by strengthening the learners' fraternity in terms of domain-specific knowledge along with necessary skills. This practice was implemented from 2016-2020 batch. Training provided in other forms such as assigning minor/major projects and asking learners to complete project with the help of faculty mentors. It was experienced while doing so and noted the following observations:

1. Learn by doing
2. Exposure to the real world
3. Productive use of theoretical/laboratory knowledge
4. Application of knowledge and skills in real-time environment without any hassle.

**Best Practice2: Research orientation and inculcating the spirit of research among learners and faculty.**

Learners initially have an anxious feeling to take up work related to minor/major work and their apprehensions are taken care by assigning mentors, explain the process, initiate process as per plan, help them to interpret the results, prepare the outcome as a bulletin and the following points are observed while implementing this practice:

1. Better understanding of concepts
2. Improvement in confidence levels and problem-solving skills
3. Improved quality in teaching-learning process
4. Publish research articles in reputed Conferences/Journals

File Description	Documents
Best practices in the Institutional website	<a href="http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/7/7.2.1.pdf">http://www.acoe.edu.in/uploads/AQARs2020-21/criterias/7/7.2.1.pdf</a>
Any other relevant information	Nil

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Aditya College of Engineering 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 amotto 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 in to the following:

- (a) Excellence in Academics
- (b) Exploration of Knowledge through Research
- (c) Excitement of Innovation & Entrepreneurship

(d) Exponent for Development of a Rounded Personality with Global Vision and Social Responsibility.

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.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3.2 - Plan of action for the next academic year

Aditya College of Engineering has taken several initiatives to enhance the standards for overall development of students and faculty. To ensure that students and faculty are encouraged to participate in different events/competitions both at national/international level. Further both student and faculty are actively engaged in social service activities through extension activities.

In view of the vision, mission and core values, institute has planned for following initiatives.

1. To acquire NBA Accreditation for 4 UG programs by 2022.
2. Enhance the student skills to grab multiple placements with higher packages.
3. Collaborate with industry to bridge the gap between academia and industry through interaction, industrial internships.
3. Organize more community service activities to contribute to the wellness of the society.
4. To promote entrepreneurship and innovation through skill development.
5. Encourage the faculty towards research and conduct research

orientation programs to ensure that every faculty will publish minimum 2 research papers in indexed journals.

NAAC