



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

1. Name of the Institution	ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
Name of the head of the Institution	Dr. T K Rama Krishna Rao
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08842326212
Mobile no.	9000276662
Registered Email	principal@acet.ac.in
Alternate Email	ramakrishnatk@gmail.com
Address	Aditya Nagar, ADB Road, Surampalem, Peddapuram Mandal, E.G.Dist.
City/Town	Surampalem
State/UT	Andhra Pradesh
Pincode	533437

<b>2. Institutional Status</b>																			
Affiliated / Constituent			Affiliated																
Type of Institution			Co-education																
Location			Rural																
Financial Status			private																
Name of the IQAC co-ordinator/Director			Dr. R V S Lalitha																
Phone no/Alternate Phone no.			08842326212																
Mobile no.			8008379819																
Registered Email			iqac_coordinator@acet.ac.in																
Alternate Email			office@acet.ac.in																
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)			<a href="http://acet.ac.in/acet/All_commitees/AQAR%20ACET%202017-18.pdf">http://acet.ac.in/acet/All_commitees/AQAR%20ACET%202017-18.pdf</a>																
<b>4. Whether Academic Calendar prepared during the year</b>			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			<a href="http://acet.ac.in/?p=examination&amp;category=&amp;committeename=Examination%20Committee#tab6">http://acet.ac.in/?p=examination&amp;category=&amp;committeename=Examination%20Committee#tab6</a>																
<b>5. Accrediation Details</b>																			
<table border="1"> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> <tr> <td>1</td> <td>B</td> <td>2.68</td> <td>2016</td> <td>11-Jul-2016</td> <td>10-Jul-2021</td> </tr> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.68	2016	11-Jul-2016	10-Jul-2021
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B	2.68	2016	11-Jul-2016	10-Jul-2021														
<b>6. Date of Establishment of IQAC</b>			15-Nov-2015																
<b>7. Internal Quality Assurance System</b>																			
<table border="1"> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date &amp; Duration</th> <th>Number of participants/ beneficiaries</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries								
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Short Training Program on NBA Accreditation organized by NITTTR, Kolkata	22-Apr-2019 5	40
Short Time Training Program on Evaluating Students' Performance Designing Question Papers organized by NITTTR, Kolkata	25-Feb-2019 5	128
Sensitization Program on ARIIA	29-Jan-2019 1	32
Orientation Program on NIRF	28-Nov-2018 1	30
Faculty Training Program on Outcome Based Education	19-Nov-2018 3	134
Short Time Training Program on Organizational Behaviour organized by NITTTR, Kolkata	12-Nov-2018 5	40
Orientation Programme on Value added courses	04-Jun-2018 1	25
Orientation Program on Smart India Hackathon	01-Aug-2018 1	210

L::asset('/', 'public').'/public/index.php/admin/get\_file?file\_path='.encrypt('Postacc/Special\_Status/'.\$instdata->upload\_special\_status))}

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**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr.T.K.Rama Krishna Rao	Seminar	SERB-DST	2018 2	100000
Dr.T.K.Rama Krishna Rao	Faculty Development Program	AICTE	2019 15	538000
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**10. Number of IQAC meetings held during the year :**

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View Uploaded File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	Yes
If yes, mention the amount	0
Year	2019

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

Initiated to conduct CRT(Campus Recruitment Training) to final year and third year students for better placements.

Initiated to conduct orientation / induction programmes for newly joined students.

Encouraged faculty members to attend workshops/conferences/FDPs/NPTEL Certifications.

Encouraged faculty to apply for research proposals for funding agencies. Faculty are encouraged towards publishing their research work in reputed Journals / Conferences.

Initiated to conduct Project Space for a duration 1 week to enhance coding levels of the students of all branches.

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
Encourage students to develop robotic applications through Robotics club.	Development of Inter disciplinary skills.
Online assessment through Cocubes	Students got placements in Software and core companies with higher packages.
Participation of students in various online coding competitions.	Enhancement of coding skills.
Project exhibitions, Projects on cutting edge technologies by students	Exposure to latest technologies for all the students in the Campus.
Extensive CRT training, Project	Improved knowledge levels, exposure to

training, Technology training, Coding practice to bright students from 3rd year on wards.	meet Industry needs and Improved campus placements.				
No Files Uploaded !!!					
14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1"> <tr> <td>Name of Statutory Body</td> <td>Meeting Date</td> </tr> <tr> <td>Governing Body</td> <td>03-May-2019</td> </tr> </table>		Name of Statutory Body	Meeting Date	Governing Body	03-May-2019
Name of Statutory Body	Meeting Date				
Governing Body	03-May-2019				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2019				
Date of Submission	09-Feb-2019				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Aditya College of Engineering Technology has designed EGovernance Policy, with the primary objective of implementing Egovernance in various interactions and services of the Institution. This policy will help in achieving efficiency in all the various operations of the Institutions in an integrated manner to enable transparency, clarity in different functionalities of the instructions about Teaching Learning (Academic), Administration, Examinations, Finance accounting, Library, Admissions, etc. To have integrated userfriendly Enterprise Resource Planning (ERP) solutions to automate various modules of Institutional functioning, adequate training to all the staff for effective use is also planned. By the direction of the Institutions Governing Body suitable ERP has to be deployed and put into the appropriate use, required training has to be provided for the staff members of the College to get the optimal benefits from the software and connect with stakeholders. The website is put to full use as a vital</p>				

information source to all the stakeholders and all important communications/circulars notices are made available on web site to ensure reaching of information to the needy any time anywhere. The access has been given to various stakeholders to maximize the use to stay connected with parents, students, and staff to intimate absentees, academic performance, holidays, and other required information. For convenience purposes, the policy is broadly divided into the following modules. 1. Administration 2. Finance and Accounts 3. Student Admission and Support 4. Examination 5. Library

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Aditya College of Engineering & Technology, Surampalem is affiliated with JNTUK, Kakinada, and follows the affiliating university's syllabus for both undergraduate and postgraduate programs. The Institute creates its schedule of events based on the Academic Calendar of the affiliating University, which includes Curricular, Co-curricular, and Extra-curricular activities. The Institution produces a Curriculum plan to meet the College's Vision and Mission in order to better implement the University's syllabus. Stakeholder meetings are held on a regular basis to develop new teaching and learning methodologies. At the start of each academic year, IQAC hosts a meeting with the department heads to submit the following documents. 1. Departmental Calendar of Events 2. Bridge Courses List 3. Allotment of Courses 4. Certificate Courses List The IQAC is in charge of tracking the progress of Department-level activities. For the preparation of course files, IQAC provides a structured format. Fortnightly, the Head of Department monitors class work, tutorial sessions, student performance, and syllabus completion status. Internal and external assessment are the two ways in which students are evaluated. A student's internal evaluation is based on their performance in two sessional exams per semester. Each sessional exam consists of three sections: descriptive, objective (online), and assignment. The University conducts a descriptive external assessment at the end of the semester.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Certificate course on Power systems analysis on MATLAB	Nil	06/08/2018	6	Employability	Technical

Certificate course on AUTOCAD STAND PRO	Nil	06/08/2018	10	Employability	Technical
Certificate course on RHCSA(Red Hat Certified System Administrator)	Nil	22/10/2018	6	Employability	Technical
Certificate course on Introduction to JAVA for ECE	Nil	03/09/2018	6	Employability	Technical
Certificate course on python for ECE	Nil	22/10/2018	10	Employability	Technical
Certificate course on IOT training to ECE	Nil	04/02/2019	6	Employability	Technical
Certificate course on CCNA CyberOps	Nil	13/08/2018	6	Employability	Technical
Certificate course on WEB Development using PHP	Nil	07/01/2019	6	Employability	Technical
Certificate course on Banking Products Services	Nil	22/10/2018	6	Employability	Technical
Certificate course on Devops	Nil	05/11/2018	6	Employability	Technical
Certificate course on Drafting	Nil	03/10/2018	7	Employability	Technical

Modelling using AUTOCAD	Nil	25/02/2019	6	Employabil ity	Technical
Certificate course on CATIA					

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	Nil	Nil
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### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	11/06/2018
BTech	Electrical Electronics Engineering	11/06/2018
BTech	Mechanical Engineering	11/06/2018
BTech	Electronics Communication Engineering	11/06/2018
BTech	Computer Science Engineering	11/06/2018
BTech	Information Technology	11/06/2018
Mtech	Structural Engineering	27/08/2018
Mtech	Power Electronics	27/08/2018
Mtech	CAD/CAM	27/08/2018
Mtech	Thermal Engineering	27/08/2018
Mtech	Embedded Systems	27/08/2018
Mtech	Computer Science Engineering	27/08/2018
MCA	Computer Applications	13/08/2018
MBA	HR, Marketing, Finance	13/08/2018
Integrated(PG)	MBA	13/08/2018

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	1263	0

## 1.3 – Curriculum Enrichment

### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Value added course on Cyber Security Essentials	13/08/2018	64



Value added course on Robotics	07/01/2019	110
Value Added course on MEAN STACK	10/09/2018	56
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### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	CIVIL	118
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	107
BTech	MECHANICAL ENGINEERING	235
BTech	ELECTRICAL AND COMMUNICATION ENGINEERING	252
BTech	COMPUTER SCIENCE ENGINEERING	117
BTech	INFORMATION TECHNOLOGY	57
MBA	MBA	21
MCA	MCA	37
Mtech	STRUCTURAL ENGINEERING	7
Mtech	POWER ELECTRONICS	4
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## 1.4 – Feedback System

### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

### 1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>Students, exit students, alumni, parents, and employers provide feedback to Aditya College of Engineering and Technology feedback mechanism. In both online and offline modes, the IQAC collects feedback from students twice a semester. The online feedback system includes a built-in form for collecting feedback from students, which includes a questionnaire that covers key points such as syllabus coverage, course material, teaching methodology, faculty communication skills, and so on. Following the collection of feedback, IQAC will analyze it by faculty and submit a report to the Principal. Faculty with poor performance will be contacted by the Principal and Head of Department, who will provide guidance on how to improve their performance. In staff meetings, faculty members who provide positive feedback are praised and encouraged. Employers who come to campus for recruitment, guest lectures, and interactive sessions provide feedback to IQAC. As a result of their feedback, the institution has implemented Value Added Courses to help students improve their employability</p>

skills. The IQAC collects feedback from parents during Parent-Teacher Meetings. Daily attendance of the student is communicated to the parents via SMS, based on their feedback. To reach the student with high intensive knowledge, and in point of employability, students are trained beyond the curriculum by attending the industrial visits and internships.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	CAD/CAM	18	5	5
Mtech	ES	18	4	4
Mtech	PE	18	7	7
Mtech	CSE	24	1	1
BTech	IT	60	50	48
BTech	CSE	120	120	112
BTech	ECE	240	250	240
BTech	ME	240	215	200
BTech	EEE	120	100	94
BTech	CE	120	82	80
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### 2.2 – Catering to Student Diversity

#### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	3091	201	160	18	10

### 2.3 – Teaching - Learning Process

#### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
188	188	7	61	61	5
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

#### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The Institute has an effective proctoring or mentoring system that covers both academics and career issues. A faculty member is assigned with a group of 20 students for proctoring. The faculty member who is called as Proctor will monitor the student attendance, performance in the examinations, classroom behavior and so on. Each proctor maintains a register of their respective students and records their activities. Periodically the

proctors will call the parents and inform progress of their ward, attendance and marks obtained in the class tests, semester end examinations and so on. The proctors also counsel their group students in academics, psychological and career issues. In the beginning of the academic year, Head of the Department allocates the students of their department to the proctor with maximum of 1:20 ratio. The proctor will meet the students in group and in person. In personal interaction the proctor collects information about socio-economic background, education, hobbies and so on. The proctor will encourage their group of students to participate in curricular, co-curricular and extra-curricular activities.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3292	188	1:18

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
188	30	0	30	7

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Buddana S Narayana Murty	Professor	NPTEL EliteSilver
2018	Buddana S Narayana Murty	Professor	NPTEL EliteSilver
2018	Sujatha Palika	Assistant Professor	NPTEL Elite
2018	Kothara Santhi	Assistant Professor	NPTEL Elite
2018	Vasamsetty Naga Kalyani	Assistant Professor	NPTEL Elite
2018	Chalumuri Bhaskara Rao	Assistant Professor	NPTEL Elite
2018	Pavankumar Bulasara	Assistant Professor	NPTEL EliteSilver
2018	Sayapanayani Sivacharan	Associate Professor	NPTEL Elite
2018	Mohammad Abdul Shukoor	Assistant Professor	NPTEL EliteSilver Topper of 5 in this course
2018	Rayi Sailaja	Associate Professor	NPTEL EliteSilver Topper of 5 in this course
<a href="#">View Uploaded File</a>			

## 2.5 – Evaluation Process and Reforms

### 2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	A02	12/1	08/11/2018	26/12/2018
BTech	A02	1/1	15/01/2018	07/01/2019
BTech	A01	4/2	30/04/2019	28/05/2019
BTech	A01	3/2	07/05/2019	07/06/2019
BTech	A01	2/2	07/05/2019	19/06/2019
BTech	A01	1/2	11/05/2019	19/06/2019
BTech	A01	4/1	01/08/2018	04/12/2018
BTech	A01	3/1	01/06/2018	15/12/2018
BTech	A01	2/1	08/11/2018	26/12/2018
BTech	A01	1/1	15/01/2018	07/01/2019
<a href="#">View Uploaded File</a>				

#### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Institute is affiliated to JNTUK, Kakinada and follows the University examination pattern. Internal evaluation is mandatory and part of requirement from University and for all UG and PG Courses. Each department conducts continuous internal assessment as per the guidelines of Examination cell. Civil, Mechanical, EEE, ECE, CSE, IT, MCA, and MBA Departments conducts regular class tests to improve the results. Faculty groups the students as slow learners and fast learners on basis of their class performance and participation. In addition to this, Mechanical, ECE, CSE and IT departments conduct workshops, Technical contest and Tech fest event like "VEDA" and online Quiz by sharing information on certain free quiz conducting sites etc. on topics related to the curriculum. Every department identifies interested students through novel activities for Robotics Club and Automotive Fest etc. evaluated and allow them to participate in Design Contest, Hackathons and more competitions to enhance the knowledge. Some departments evaluate students on the basis of their performance in group discussions (CSE, ECE, MECH, CIVIL, and IT project presentations, assignments, seminars, viva (ECE, CSE, IT, EEE, and MECH) presentations based on research paper. In extracurricular activities, selected students are also evaluated by the quality of social work they have done for a minimum of 3 hours per week.

#### 2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The Institute prepares the Academic Calendar at the beginning of the academic year after the Principal conducts meeting with IQAC, HODs and respective Coordinators, Examination Committee, Intra collegiate Fest Committee (VEDA) and Sports Committee members. The academic calendar prepared, displayed the dates for our annual Intercollegiate Festival, VEDA, Annual Day, Sports Day, and presentations by all Departments and Committees for the Annual Academic Audit. The main purpose of fixing these schedules in advance is to enable the departments to plan for their own department programme and events. It also helps the students to plan their academic and extracurricular activities. Examination dates are decided by the JNTUK, Kakinada and intimated to the Colleges, which was incorporated in the academic calendar as and when provided. Since the University conducts the semester end examinations for all the UG and PG courses, the College was obliged to follow these dates for examinations. The

dates for internal examinations for all courses, which are mandatory, are decided well in advance and displayed on the notice board. This method was followed for both the semesters. After every examination, the last date for submission of mark statements was declared in notice board. After the declaration of results, the dates are fixed for revaluation and communicated to the students.

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://acet.ac.in/?p=EEE>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
A01	BTech	CE	114	87	76.32
A02	BTech	EEE	107	79	73.83
A03	BTech	ME	251	175	69.72
A04	BTech	ECE	254	206	81.10
A05	BTech	CSE	112	95	84.82
A12	BTech	IT	46	42	91.30
D87	Mtech	SE	11	10	90.91
D43	Mtech	PE	7	3	42.86
D04	Mtech	CAD/CAM	5	3	60
D55	Mtech	ES	2	2	100

[View Uploaded File](#)

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

[http://acet.ac.in/acet/All\\_commitees/2018\\_19\\_SSS\\_report.pdf](http://acet.ac.in/acet/All_commitees/2018_19_SSS_report.pdf)

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	365	SERB, New Delhi	1	1
Any Other (Specify)	365	AICTE, New Delhi	5.38	5.38

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### 3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Creativity and Innovation	EEE	11/09/2018
Entrepreneurship	CSE	23/07/2018
Career planning	CSE,EEE	19/04/2019
Case study methodology	HBS	07/12/2018
Entrepreneurship	HBS	17/11/2018

### 3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
APOCAPALYPSE Survival	A Madhu Babu	Aditya College of Engineering And Technology	30/04/2019	Best Student Project Cash Prize 10000
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### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Aditya College of Engineering and Technology	K Tarun	Self	KARANAM TECHNOLOGIES	SOILLESS FORMING	27/03/2019
Aditya College of Engineering and Technology	KRISHNA MISHRA	Self	AUGUMENTIK SOFTWARE	DIGITIZED SOLUTIONS	27/03/2019
Aditya College of Engineering and Technology	Bhaskar Polisetti	Self	QQ Advertising Marketing Pvt., Ltd.	Digital Marketing	24/01/2019
Aditya College of Engineering and Technology	V Bharath Kumar	Self	3D ClikS	3D Printing	27/03/2019
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## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
0	0

### 3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CSE	4	0.23
International	ECE	14	2.1
International	CE	2	0
International	HBS	5	2.05
International	EEE	1	0.85
International	ME	3	1.74
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
HBS	1
No file uploaded.	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Ordered Local Binary Pattern (OLBP) for Classification of Textures	M. Anil Kumar, Ravi babu Uppu	International Journal Recent Technology and Engineering	2019	0	Aditya College of Engineering Technology	0
Deceased Leaf Identification Using The Geometric Local Binary Patterns (GLBP)	M. Anil Kumar, Ravi Babu Uppu	ARPN Journal of Engineering and Applied Sciences	2018	0	Aditya College of Engineering Technology	0
Intensifying the security of information by the fusion of random substitution technique and enhanced DES	R. Sailaja, Ch. Rupa, A. S. N. Chakravarthy	Smart Innovation, Systems and Technologies	2018	0	Aditya College of Engineering Technology	1

A novel integrated approach using Euclid's and fuzzy logic for secure communication	R.Sailaja, Ch.Rupa, A.S.N.Chakravarthy	International Journal of Information Privacy, Security and Integrity	2018	0	Aditya College of Engineering Technology	1
Comparative Study of Synthesis, Structural and Magnetic Properties of Cu <sub>2</sub> substituted Co-Ni, Co-Zn and Co-Mg Nano Ferrites	A. Rama Krishna, N.Muralia, S.J.Margaretta, K.Samathaa, V.Veeraiah	Physics of Condensed Matter	2018	0	Aditya College of Engineering Technology	23
Studies on structural magnetic and DC electrical resistivity properties of CO <sub>0.5</sub> MO <sub>0.37</sub> Cu <sub>0.13</sub> Fe <sub>2</sub> O <sub>4</sub> (MNi, Zn and Mg) ferrite nanoparticle systems	A. Rama Krishna, N.Murali, S.J.Margaretta, T.Wegayehu Mammo, N.Krishna Jyothi, B.Sailaja, Ch.C.Sailaja Kumari, K.Samatha, V.Veeraiah	Advanced Powder Technology	2018	0	Aditya College of Engineering Technology	28
A Novel Speech Comparison Technique using Optimized Wavelet Transform to Improve the Quality of Auditory Perception under Low SNR Conditions	B.V.Vijaysri	International Journal of Simulation Systems, Science Technology	2018	0	Aditya College of Engineering Technology	1



Transformation based Speech Compression for Improving Speech perception under Low SNR Conditions	B.V.Vijayasri, I.Santhi Prabha	International Journal of Research	2018	0	Aditya College of Engineering Technology	0
IOT Based Real Time Early Warning Bus Information System to Students by E-mail	P. Swarnalatha, A.Rama Vasantha	International Journal of Creative Research Thoughts	2018	0	Aditya College of Engineering Technology	0
Smart Wearable Device for Child Protection	S. Annapurna Devi,V.Preethi	International Journal of Creative Research Thoughts	2018	0	Aditya College of Engineering Technology	0

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### 3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Ordered Local Binary Pattern (OLBP) for Classification of Textures	M. Anil Kumar, Ravi babu Uppu	International Journal Recent Technology and Engineering	2019	20	0	Aditya College of Engineering Technology
Deceased Leaf Identification Using The Geometric Local Binary Patterns (GLBP)	M.Anilkumar, Ravi Babu Uppu	ARPJN Journal of Engineering and Applied Sciences	2018	32	0	Aditya College of Engineering Technology
Intensifying the security of information	R .Sailaja,Ch. Rupa,A. S. N. Chakravarthy	Smart Innovation, Systems and Technology	2018	22	1	Aditya College of Engineering Technology

	tion by the fusion of random substitution on technique and enhanced DES	arthy	logies				Technology
	A novel integrated approach using Euclid's and fuzzy logic for secure communication	R.Sailaja, Ch.Rupa, A .S.N.Chakravarthy	International Journal of Information Privacy, Security and Integrity	2018	0	1	Aditya College of Engineering Technology
	Comparative Study of Synthesis, Structural and Magnetic Properties of Cu <sub>2</sub> substituted Co-Ni, Co-Zn and Co-Mg Nano Ferrites	A. Rama Krishna, N.Muralia, S.J.Margaretta, K.Samathaa, V.Veeraiah	Physics of Condensed Matter	2018	228	23	Aditya College of Engineering Technology
	Studies on structural magnetic and DC electrical resistivity properties of CO <sub>0.5</sub> MO <sub>0.37</sub> Cu <sub>0.13</sub> Fe <sub>2</sub> O <sub>4</sub> (MNi, Zn and Mg) ferrite nanoparticle systems	A. Rama Krishna, N.Murali, S.J.Margaretta, T.Wegayehu Mammo, N.Krishna Jyothi, B.Sailaja, Ch.C.Sailaja Kumari, K.Samatha, V.Veeraiah	Advanced Powder Technology	2018	69	28	Aditya College of Engineering Technology
	A Novel Speech Comparison Technique using Optimized	B.V.Vijaysri	International Journal of Simulation Systems, Science	2018	22	1	Aditya College of Engineering Technology

Wavelet Transform to Improve the Quality of Auditory Perception under Low SNR Conditions		Technology				
Transformation based Speech Compression for Improving Speech perception under Low SNR Conditions	B.V.Vijayasri, I.Santhi Prabha	International Journal of Research	2018	0	0	Aditya College of Engineering Technology
IOT Based Real Time Early Warning Bus Information System to Students by E-mail	P. Swarnalatha, A.Rama Vasantha	International Journal of Creative Research Thoughts	2018	0	0	Aditya College of Engineering Technology
Smart Wearable Device for Child Protection	S. Annapurna Devi,V.Preethi	International Journal of Creative Research Thoughts	2018	0	0	Aditya College of Engineering Technology
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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	12	3	0	0
Attended/Seminars/Workshops	1	14	1	11
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### 3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities

JANMABHOOMI MAA VOORU(7DAYS) CAMP	AANURU PANCHAYAT	9	347
ESSAY WRITING COMPETITION ON FREEDOM MOVEMENT	ADITYA DEGREE COLLEGE	5	238
AWARENESS PROGRAM ON IMPROVING SOIL FERTILITY	ADITYA COLLEGE OF PHARMACY	5	304
COMMUNITY PLEDGE AT AANURU PANCHAYAT	AANURU PRIMAY SCHOOL	4	312
QUIZ ON YOGA FOR FOR ADITYA DEGREE COLLEGE	ADITYA DEGREE COLLEGE	5	217
SWACHHTA PAKHWADA (15 DAYS) CAMP	P NAYAKAMPALLI VILLAGE	5	673
DISTRIBUTION OF BLANKETS TO ROADSIDE NEEDY	KAKINADA	1	193
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
DISTRIBUTION OF BLANKETS TO ROADSIDE NEEDY	BEST SERVICE	LOVE TO SERVE FOUNDATION	193
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
women empowerment	INTERNAL COMPLAINTS COMMITTEE (ICC), ACET	Seminar on How to curb Eve-teasing	2	60
women empowerment	INTERNAL COMPLAINTS COMMITTEE (ICC), ACET	Awareness program on Prevention of Acid Burn violence	2	100
women empowerment	INTERNAL COMPLAINTS COMMITTEE (ICC), ACET	Photography Contest-Women in rural India on occasion of Women's Day	1	20
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### 3.5 – Collaborations

## 3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
SPOT VALUATION	8	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY : : KAKINADA	3
SPOT RE-VALUATION	5	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY : : KAKINADA	3
SPOT CENTER	5	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY : : KAKINADA	3
SPOT CENTER	6	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY : : KAKINADA	3
INTERNSHIP	M.AMERESWARI (16P31A0127)	ROADS BUILDINGS DEPARTMENT,GOVT OF ANDHRA PRADESH, NEAR ZILA PARISHAD JUNCTION, KAKINADA, ANDHRA PRADESH.	30
INTERNSHIP	CH.SUSHMITHA(15P3 1A0156)	ROADS BUILDINGS DEPARTMENT,GOVT OF ANDHRA PRADESH, NEAR ZILA PARISHAD JUNCTION, KAKINADA, ANDHRA PRADESH.	30
INTERNSHIP	CH.DURGA DEVI (17P35A0128)	ROADS BUILDINGS DEPARTMENT,GOVT OF ANDHRA PRADESH, NEAR ZILA PARISHAD JUNCTION, KAKINADA, ANDHRA PRADESH.	20
INTERNSHIP	SUSMITHA	THOMSON REUTERS INTERNATIONAL SERVICES PRIVATE LIMITED, Hyderabad	180
INTERNSHIP	BONDALA JYOTHI MOUNIKA	THOMSON REUTERS INTERNATIONAL SERVICES PRIVATE LIMITED, Hyderabad	181
SPOT VALUATION	11	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY : : KAKINADA	3
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## 3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Training	THOMSON REUTERS INTERNATIONAL SERVICES PRIVATE LIMITED, Hyderabad	15/05/2019	14/11/2019	2
Industrial Visit	Learning	Infosys Ltd., Bangalore	16/12/2018	16/12/2018	43
Internship	Training	ROADS BUILDINGS DEPARTMENT, GOV T OF ANDHRA PRADESH	04/05/2019	08/06/2019	4
Internship	Training	SARALA PROJECT WORKS PVT.LTD, Hyderabad	24/01/2019	24/05/2019	1
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
DIZITIVE IT SOLUTIONS	19/08/2016	SKILL DEVELOPMENT, INTERNSHIPS AND GUEST LECTURES	138
EDGATE TECHNOLOGIES	17/10/2015	LAB ESTABLISHMENT	62
APSSDC	17/04/2018	STUDENT TRAINING IN ADVANCE TECHNOLOGIES	440
TCS	01/08/2017	ONLINE EXAMINATIONS	1456
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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
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180	177.46
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#### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Newly Added
Class rooms	Existing
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#### 4.2 – Library as a Learning Resource

##### 4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
ECAP	Fully	2.0	2017

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
e-Books	45042	14700000	538	170528	45580	14870528
Reference Books	5639	2415060	36	16200	5675	2431260
Journals	51	93450	7	18820	58	112270
e-Journals	1	13500	0	0	1	13500
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	Nill	Nill
No file uploaded.			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwid th (MBPS/	Others
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								GBPS)	
Existing	743	557	23	30	80	7	46	100	0
Added	16	3	0	0	0	0	13	0	0
Total	759	560	23	30	80	7	59	100	0

#### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS
----------------

#### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	Nil

### 4.4 – Maintenance of Campus Infrastructure

#### 4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
75	71.12	130	129.81

#### 4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institute maintains a well-organized operating maintenance procedure for the apt functioning of the infrastructure policies i.e., structural maintenance, transportation, furniture, and backup generators during power shortages. Maintenance grievance registers for electrical, sanitation, plumbing, housekeeping issues are maintained thoroughly so as facilitate smooth functioning of the institution. Any kind of malfunctioning arising within the above-mentioned sections is timely reported to the higher authorities for the prompt fixture. Department of Facility Management (FM) appoints individual supervisors for every sector who effectively coordinates the workforce, promptly maintaining records of people working, floor-wise data, leaves, timings, etc. Several in-house staff monitors regularly ensure strict hygiene, discipline sanitation all-round the campus for providing an amicable learning environment. Classrooms, seminar halls, laboratories, and staff rooms are periodically maintained by the housekeeping department. Each floor is supplied with multiple trashcans. The Housekeeping workers take care of the maintenance of restrooms, approach roads, and neatness of the whole premises. Housekeeping services are regularly supervised. Professional gardeners are employed for enabling greenery all around the campus. Annual maintenance contracts are made for all the departments i.e., Water purifiers, CCTV cameras, Elevators, Air Conditioners for ensuring, and Generators for optimal and smooth functioning of the individual components. Additionally, to the contract-based workers, several in house trained technicians, electricians, and carpenters render their exceptional contribution to the institution Lab assistants under the supervision of the system administrator maintain the efficiency of the college computers and accessories. The parking facility is well organized. It's efficiently maintained by security under the control of security officers. The campus maintenance is monitored through surveillance cameras. Proper inspection and verification of stock are done at the start of every year. Periodic reporting on requirements of repairs and maintenance are submitted by the HoDs to the administrative office. The requirements are collectively processed in



every semester break so on keep things ready for the new semester. Pest control of library books and records is completed per annum by the maintenance department. The Estate office manager and his team take care of the regular maintenance of civil works like furniture repairs, masonry and plaster works, Painting, carpentry, plumbing, and housekeeping. The non-teaching staff also are trained in the maintenance of laboratory and computer equipment.

<http://acet.ac.in/acet/IT%20Infrastructure/Maintanance%20policy.pdf>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Merit Scholarship	1373	2434500
Financial Support from Other Sources			
a) National	Govt Fee Reimbursement	2374	35969000
b) International	0	0	0

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#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft skills-One week Campus recruitment training	10/12/2018	185	Mr. K Bharath Kumar Techinal HUB, Surampalem 9346445450
Life skills-AYUSH-Health and Nutrition	18/08/2018	139	Dr. C H Sai lakshmi 9848291099 Ratnaraju Hospital Samalkot
ICT/Computing skills-Five day training on JAVA programming	17/07/2018	152	Mr. R Sudhir Techinal HUB, Surampalem 9951722111
Life skills-SWASTH- Importance of hygienic food	11/07/2018	152	Dr Veda Priya Gummadi Sr. Research fellow AU College of Pharmaceutical Sciences Visakhapatnam
Language and communication skills-Short Term Training Programme on Spanish Hindi	08/06/2018	30	Mr. Saiba Nyampa, 6305154552 ACOE, Surampalem Mrs. P Swarnalatha, 9705847645 ACET, Surampalem
Soft skills-	11/06/2018	176	Mr. K. Devan

Effective english Speaking skills			Techinal HUB, Surampalem 9397934366
ICT/Computing skills-Training on cisco networking	04/02/2019	156	Techinal HUB, Surampalem Mr. B. Veerababu 9492157450
Language and communication skills- A one day programme on English Language skills- Importance	24/01/2019	65	Ms B L Ratna valli GIET Rajahmundry 9703878333
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Career Opportunities for Engineering Graduates	Nill	391	Nill	87
2018	Awareness Program on Achivements of career objectives	Nill	385	Nill	96
2018	Awareness Program on GATE	162	Nill	4	Nill
2018	Orientation on Competative skills for Engineering Graduates	Nill	365	Nill	91
2019	Orientation session on Decision making in career planning	Nill	469	Nill	75
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

## 5.2 – Student Progression

### 5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Zenq	98	3	TCS	468	9
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### 5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	B. Tech	Civil	Lenora College of engineering, Rampachodavaram	M-Tech
2019	1	B. Tech	Civil	Lenora College of engineering, Rampachodavaram	M-Tech
2019	1	B. Tech	Civil	Lenora College of engineering, Rampachodavaram	M-Tech
2019	1	B. Tech	Civil	Lenora College of engineering, Rampachodavaram	M-Tech
2019	1	B. Tech	Civil	Pydah College, Kakinada	M-Tech
2019	1	B. Tech	CSE	JNTUK, Kakinada	M-Tech
2019	1	B. Tech	ECE	KITS, DIVILI	M-Tech
2019	1	B. Tech	ECE	KITS, DIVILI	M-Tech
2019	1	B. Tech	ECE	Governer State University, USA	MS

2019	1	B. Tech	ECE	JNTUK, Kakinada	M-Tech
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year  
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	2
GMAT	1
CAT	1
Any Other	4
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Republic Day Sports and Games - 2019	National Level	28
National Sports Day 2018	National Level	21
Independence Day Sports Games 2018	National Level	135
Dance	National Level	200
Singing	Nill	100
Fashion Show	Nill	80
Street Play	Nill	130
Skit	Nill	80
Elocution	Nill	50
Painting	Nill	30
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	WAKO INDIA SENIOR National Kick Boxing Championship (Silver medal)	National	1	Nill	16P31A04L6	P SAI SIVA PRASANTH
2018	29th AP State Kick Boxing Cha	National	1	Nill	16P31A04L6	P SAI SIVA PRASANTH

	mpionship (GOLD Medal)					
2018	Yuvtarang Athletics 100 meters (First prize)	National	1	Nill	18P35A0352	M MURALI KRISHNA
2018	Singing( shield)	National	Nill	1	17P31A04H0	T Maithreyi
2018	Drawing( Gold medal and cash prize)	National	Nill	1	17P31A0409	Ch. Lekhana chowdary
2018	Drawing( Gold medal and cash prize)	National	Nill	1	17P31A0410	D. Khyathi sri
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Aditya College of Engineering Technology believes in enhancing the leadership quality teamwork in the students from the first year onwards. Hence the college inculcates student representation in the major decision-making committees of the college. All the departments have a student committee of various associations and social clubs. Head of the Departments, faculty, and students of the respective departments choose the main committee coordinators in consultation with the principal. Students Council: Students council could be a body that represents students of all departments and is coordinated by two senior faculty members. The principal discusses the educational issues with the council members twice a semester and recommends corrective actions to support suggestions and feedback. Clubs and Associations: Students are adequately empowered through the various clubs and associations within the Institution. These clubs were active under the coordination of senior faculty. Active clubs and associations are Eco club, Community club, Health club, Language club, Alumni association. Eco club: Eco Club has been working tirelessly to feature its contribution to boosting the challenging environmental conditions. The coordinators and club members have undertaken various environmentally-friendly activities like awareness of the damage caused by plastic usage and the distribution of tree saplings. Community club: The community club focuses on improving harmony among students of assorted Indian cultures and conducting awareness programs on literacy. It nurtures the students towards their career improvement, personal development, and well-being. Academic Committee, Anti-Ragging Committee, Canteen Committee, Career Counselling Committee, Cultural Committee, Ethics Committee, E-Resources Committee, Hostel Committee, Internal Complaints Committee (ICC), Library Committee, Publication Committee, Purchase Committee, Sports Committee, Transport Committee, Website Committee are functioning in the Institution. Language club: This club focuses on speaking events, debating, extempore speaking, elocution, and jamming. Faculty and students from various states take initiation to show their language to unknown ones under this club. Health Club: The club is determined to form awareness regarding HIV by conducting an awareness camp on the importance of food and nutrition, especially in rural areas, collecting blood sampling to see the blood type of every student for future blood donation requirement database.

ICC: ICC has been constituted to empower and safeguard the rights of female faculty and students. ICC works to push gender sensitivity within the college and conduct diverse programs to teach, sensitize both male and feminine members and produce a harmonious atmosphere on the campus. It works for the welfare of the female students towards preparing them into competent professionals to require up more significant challenges within the academic sphere. Alumni Association: Discusses the career opportunities in the real-world competition. Detail information for all committees: <http://www.acet.ac.in/?pcommittees>

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

750

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

One Alumni meet conducted in the academic year 2018-19 and four alumni interaction events conducted

### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

• The administrative structure of our institution includes the Governing mechanism which inculcates various practices for decentralization and participative management headed by Principal, Deans, Head of the Departments (HoD), Committee Co-Ordinator, Faculty In-Charges, Lab In-charges, Network Administrators, Proctors and Class Representatives to enhance quality in all the fields with excellence. In execution of all the activities the administrative setup will function with a decentralized decision making system at all levels. The Principal is the Head of the Institution and he efficiently proceeds and ensures the smooth conduction of all administrative and academic activities. • The Principal periodically convenes meetings with HoDs and Faculty members. The management ensured decentralization by creating Deans to help the Head of the institution in day-to-day activities at the top of a multi-tier system of administration with HoDs, lab in-charges etc., down the ladder on the academic front. • Along with the Principal, HoDs and faculty are encouraged to give suggestions that help in the growth of the Organization. • Faculty members are involved in the decision making process at all levels. They are given a chance to present their views and suggestions by making them as members of various committees in college. • There is freedom to the faculty members in expressing their thoughts to do various research activities. • The Institution has constituted several committees which are lead by faculty members as In-Charges to groom leadership at the faculty level. The institution has various committees like Career Counseling Cell, Entrepreneurship Development Cell, Grievance Redressal Committee, Faculty Development Cell, etc.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Examination and Evaluation	<ul style="list-style-type: none"><li>• College follows the continuous evaluation as per the guide lines given by the JNTUK. The weight-age has been given for MID 1 and 2 assessment and semester end examination.</li><li>• Students Examinations - The evaluation of semester end examination papers is carried out by the University.</li><li>• Faculty members evaluate Mid 1 and 2 examination papers and assignments and post in the University portal.</li><li>• The laboratory courses are evaluated by Conducting internal Examinations and End exam.</li><li>• For the project work, in addition to the regular examination system the reviews are conducted to evaluate the main project in addition to the viva-voce examinations.</li></ul>
Research and Development	<ul style="list-style-type: none"><li>• CSE and MECH departments are recognized as Research centers by the JNTUK, Kakinada.</li><li>• Faculty members are encouraged to undertake research activities by providing incentives to attend Conferences.</li><li>• Faculty members are rewarded with cash incentive for publishing papers in reputed Journals, Books, Book Chapters, filing Patents, for getting research grants and consultancy works.</li></ul>
Library, ICT and Physical Infrastructure / Instrumentation	<ul style="list-style-type: none"><li>• In view of the latest development and future needs the Library is well equipped in terms of the number of Books, CDs, Project Reports and Online journals.</li><li>• The college has central as well as departmental library to provide key resources to augment the teaching-learning process.</li><li>• Library functions on week days from 8.00 A.M. to 6.00 P.M.</li><li>• The reading room with a capacity of 200 students is available.</li><li>• Exclusive reference section is also available.</li><li>• The Institute has adequate number of ventilated classrooms, Laboratories, Smart Classrooms, Common rooms, Seminar halls, Conference hall, Computer Labs, Research Centers, HoD cabins, Staff cabins, Dining hall and Rest rooms.</li></ul>
Admission of Students	Admissions are made in two ways - Convenor Quota, Management Quota in the ratio of 70:30. Convenor quota students are admitted into both Under Graduate

and Post Graduate programs through a common entrance conducted by the State Government (EAMCET, ECET, PG CET, ICET). Management quota seats are filled by inviting applications from the deserving candidates and filled on the basis of merit and reservation.

#### Curriculum Development

The curriculum and Syllabus are prescribed by affiliating University JNTUK, Kakinada. There is no freedom to change the syllabus, but the students have the freedom of choosing elective subjects from the list of courses prescribed by the University. However, the curriculum gaps are identified by the academic committee and required new topics are delivered by offering Certificate Courses, conducting Guest lectures, Seminars and Workshops.

#### Teaching and Learning

- The Teaching Learning process is periodically reviewed through HoDs Meeting, Faculty Meeting and also through the feedback from the stakeholders.
- The institution adopts latest technologies and facilities for effective teaching.
- Each department is outfitted with ICT enabled class rooms in order to make teaching more flexible.
- MOODLE server is established for Learning Management System (LMS).
- Learning resources like NPTEL Videos/ PDFs are available to the students.
- Faculty members are encouraged to follow innovative teaching methodologies.
- Design of new experiments in the lab courses to fulfill the Course Outcomes.

#### Human Resource Management

The Institute follows the guidelines of AICTE and JNTUK for recruiting both teaching and non teaching faculty. The institution has a mechanism of notification in leading news papers and [www.facultyplus.com](http://www.facultyplus.com) for regular posts and conduct interviews. The Institution provides service benefits like Employees Provident Fund (EPF), Group Insurance Policies, and incentives for attending Faculty Development Programmes, Seminars, Workshops to enhance the Teaching Learning process and upgrade their skills by learning the latest technology.

#### Industry Interaction / Collaboration

- The institute has signed MoUs with various industries and organizations.
- Faculty and students are encouraged to go for study tour to visit the nearby



industries for better exposure through close interaction with industry experts. • Seminars and Guest lectures are conducted for the students by inviting eminent corporate personalities to enhance student knowledge and to give an industry exposure. • For improving the technical skills of students, the Institute organizes workshops and hands on training programs on advanced technologies.

#### 6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Administration	ECAP software tool is used for all the administrative purposes to maintain record of employees and students.
Finance and Accounts	The Institution uses ECAP software to manage the Finance and Accounts details. The Accounts Officer maintains the reports, bills, vouchers, ledgers, salary statement, etc.
Student Admission and Support	ECAP software is used for conveying information to students and parents from day one of admission. Student attendance, marks obtained in the sessional and semester end examinations are posted in the ECAP.
Examination	<p>The Institute is having a separate Examination cell which monitors both internal and external examinations. The examination cell is responsible for arranging the seating plan, allotting invigilators, collecting material from the University and submitting the answer scripts back to the University.</p> <p>The Cell is fully equipped with computers, reprographic facilities and Internet connection. The examination cell posts the internal marks, attendance in the University portal.</p>
Planning and Development	The Principal recommends the budget of the departments and conducts review meeting on budget utilization of the previous year. The Institute and Department calendars are prepared by considering the academic / cocurricular / extracurricular activities for the forthcoming semester/academic year. In the meeting with IQAC and Head of the Departments, the Principal approves the Institution and Department academic calendar. The Principal along with IQAC and HODs conducts a meeting to discuss on feedback analysis report of

stakeholders and suggests corrective measures towards improvement of the Institution.

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mr.K.L.V.Prasad	FDP on AI and Machine learning,2-8 June 2018,EICT Academy,NIT,War angal	Nill	1500
2018	Mr. Dannina Kishore	ICSCSP-2018, June-22-23 2018, MRCET,Sec underabad	Nill	6000
2018	Mrs.D.Sravani	SKCIE,June-22 -24,-2018,SVRM College, Guntur	Nill	1000
2018	Mr.Marabathina Maheswara Rao	SEC-18,Dec-19 -21,2018,Jadavp ur University,K olkata	Nill	5000
2018	Mrs.R.Gayatri Devi	GLOBAL ENTERPRENEUSHIP W1000K-2018 held at NORTHEASTERN UNIVERSITY, BOSTON,USA during December 2018,i2E Competition at Boston.	Nill	175000
2019	Mrs.D.Sravani	ETIMCA,30-31 Jan 2019, NIT, Warangal	Nill	4000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Nill	A Three			Nill	20

		Days Training Program on Electrical Wiring	08/04/2019	10/04/2019		
2019	Nill	A Three Days training programme on development of laboratory instruction and manual	02/04/2019	04/04/2019	Nill	25
2019	Seminar on Alternative building materials Methods	Nill	26/03/2019	26/03/2019	27	Nill
2019	Seminar on Network Security and its Applications	Nill	05/03/2019	05/03/2019	41	Nill
2018	Faculty Development Programme on Environmental And Water Resources Modeling And Management	Nill	17/12/2018	22/12/2018	25	Nill
2018	Faculty Development Programme on Research Trends in Signal Processing	Nill	26/11/2018	30/11/2018	49	Nill
2018	Faculty Development Programme on Improving Analytical and Problem Solving	Nill	29/10/2018	03/11/2018	43	Nill

	Skills in Programmin g					
2018	A Two Day National Level Seminar on Deep Learning for BioInf ormatics(S ERB Sponsored)	Nill	28/09/2018	29/09/2018	42	Nill
2019	Workshop on Project planning and scheduling using PRIMAVERA P6	Nill	10/05/2019	11/05/2019	28	Nill
2019	Faculty Developmen t Programme on Machine Learning	Nill	22/04/2019	27/04/2019	45	Nill
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
EVALUATING STUDENTS PERFORMANCE AND DESIGNING QUESTION PAPER	1	25/01/2019	01/03/2019	36
FDP ON ML AND DEEP LEARNING	1	10/11/2018	15/11/2018	6
RESEARCH METHOLODGIES AND STASTICAL ANALYSIS	2	09/07/2018	14/07/2018	6
FDP ON PHYTHON PROGRAMMING	1	25/05/2019	01/06/2019	8
3D PRINTING THEORY AND PRATICE	2	20/05/2019	25/05/2019	6

RECENT RESEARCH TRENDS IN SIGNAL PROCESSING	1	23/04/2019	27/04/2019	5
ADVANCES IN COMPUTATIONAL TECHNIQUES FOR ELECTRICAL SYSTEMS	2	27/05/2019	31/05/2019	5
IMAGE SPEECH PROCESSING	1	29/04/2019	04/05/2019	6
NEXT GENERATION WIRELESS TECHNOLOGIES THROUGH ICT	4	26/11/2018	30/11/2018	5
SHORT TERM ON ORGANIZATIONAL BEHAVIOUR THROUGH ICT MODE	2	12/11/2018	16/11/2018	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	188	0	253

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Free transport is provided to all staff members. Free food and accommodation are provided for faculty staying in College hostel. Faculty members can avail On Duty (OD) to attend Spot valuation, Seminars and Conferences. EPF, Group insurance policy and subsidized lunch facilities are available. Incentives for Research, Research projects and Consultancy work, Patents, Books, Awards and Recognition. Concession in tuition and transport fee for children of the staff members in the Group Institutions. Residential quarters are provided</p>	<p>ESI, EPF, Subsidized Lunch, Free Transport</p>	<p>Merit Scholarship, Primary health center, Ambulance</p>

with nominal rent.

#### 6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The Institute has a mechanism for internal and external audit to ensure financial compliance. The institutional accounts are regularly audited. The observations of the auditors if any are immediately corrected / rectified. Internal Audit: The Institute is having an ongoing continuous internal audit system. Qualified Auditors have been appointed on permanent basis and a group of staff members are deputed under them to do a thorough check and verification of all payments, receipts, vouchers of the transactions, cash books and ledgers. External Audit: The Institute appointed an external auditor to perform audit of the financial statements of the Institute. The external auditor audits the records at the end of each financial year and prepares income and expenditure, balance sheet.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Sarojini Educational Society	310000	Student Projects
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6.4.3 – Total corpus fund generated

0

#### 6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	JNTUK	Yes	Associate Professors, Professors
Administrative	Yes	Through Chartered Accountant	Yes	Senior Administrative Officer

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Orientation Program for both parents and students at the beginning of the Programme. 2. Department wise Parents meetings are conducted to discuss the academic performance of the students/wards., 3. Students proctoring system is implemented to monitor and guide the students. 4. Parents from industrial background help students in project, in plant training and industrial visit. 5. Feedback is received from parents regarding infrastructure and institutional development.

6.5.3 – Development programmes for support staff (at least three)

1. Supporting staff members are trained on office automation softwares. 2. The technical supporting staff are motivated to go for higher studies to upgrade their knowledge and qualification. 3. Stress management program such as Yoga and meditation are conducted to enhance the mental strength of the staff.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Trying to implement all the suggestions given by the peer team. Activity based Teaching and Learning Methods, MOOCs certification course for both faculty and students is made mandate.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Orientation Program on Smart India Hackathon	02/07/2018	01/08/2018	01/08/2018	210
2018	Orientation Programme on Value added courses	02/07/2018	04/06/2018	04/06/2018	25
2018	Short Time Training Program on Organizational Behaviour organized by NITTTR, Kolkata	02/07/2018	12/11/2018	16/11/2018	40
2018	Faculty Training Program on Outcome Based Education	02/07/2018	19/11/2018	21/11/2018	134
2018	Orientation Program on NIRF	19/11/2018	28/11/2018	28/11/2018	30
2019	Sensitization Program on ARIIA	19/11/2018	29/01/2019	29/01/2019	32
2019	Short Time Training Program on Evaluating Students Performance Designing	19/11/2018	25/02/2019	01/03/2019	128

	Question Papers organized by NITTTR, Kolkata				
2019	Short Training Program on NBA Accreditation organized by NITTTR, Kolkata	19/11/2018	22/04/2019	26/04/2019	40
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Photography Contest-Women in rural India on occasion of Women's Day	08/03/2019	08/03/2019	20	0
Orientation Program of personality development and Leadership qualities	16/07/2018	16/07/2018	37	33
Seminar on How to curb Eve Teasing	21/07/2018	21/07/2018	33	27
Orientation program on Life is Precious	11/08/2018	11/08/2018	30	28
SAMATVA - Seminar on Suicide Prevention - Across the Life span	10/09/2018	10/09/2018	100	0
Awareness program on Prevention of Acid Burn violence	24/10/2018	24/10/2018	53	47
JAGRUTHI-Elocution on Significance of	07/12/2018	07/12/2018	25	0



7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

The institutions energy is met by both renewable energy and nonrenewable sources, Our institution has installed solar panels of total 500 KW capacity. The total units generated, through solar power from June 2018 to May 2019 was 558590 units. around 60 percent of the total power generated from the solar panels was consumed by the institution and rest 40 percent of the solar power is feedback to the Electricity grid.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Scribes for examination	Yes	0
Ramp/Rails	Yes	1
Rest Rooms	Yes	1
Physical facilities	Yes	1
Provision for lift	No	0
Braille Software/facilities	Yes	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	21/06/2018	1	Quiz on Yoga for Aditya Degree College	Health and Hygiene	217
2018	1	1	01/08/2018	15	Swachhta Pakhwada (15 Days) Camp	Hygiene	673
2018	1	1	24/09/2018	1	Community Pledge at Aanuru Panchayat	Unity Awareness	312

2018	1	1	31/10/2018	1	Essay Writing Competition on Freedom Movement	Freedom Awareness	238
2018	1	1	05/10/2018	1	Awareness Program on Improving Soil Fertility	Soil Usage Awareness for Agriculture	304
2019	1	1	03/01/2019	7	Janmabhoomi Maa Vooru (7 Days) Camp	Community Development	347
2019	1	1	26/01/2019	1	Distribution of Blankets to Roadside Needy	Social Service	193
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
A handbook on Code of Conduct for Teaching and Non-teaching Staff	01/06/2016	The code of conduct – a set of rules is framed as guidance for the Teaching and non teaching staff to adhere to the rules and regulation to thrive in the institution. Code of conduct focuses on the standards, behavior rules, guidance, values, principles, decisions etc. It is made mandatory for all the teaching and non teaching staff and students to follow the rules.
A handbook on Code of Conduct for Students	07/06/2016	Our institution has framed certain rules and regulations for teachers and students considering the norms of AICTE, JNTUK, Anti-Ragging and Women protection, fundamental rights. So as to maintain the good conduct and follow ethical values in the

## 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Orientation for faculty: Art of living	15/04/2019	15/04/2019	58
Orientation for Non-Teaching: Institutional Values Social responsibilities	22/04/2019	22/04/2019	21
Orientation for Freshers: Art of living	03/09/2018	03/09/2018	331
Womens Day	09/04/2018	09/04/2018	128
Heritage Day	20/04/2018	20/04/2018	74
Teachers Day	05/09/2018	05/09/2018	231
Dusserah	08/10/2018	08/10/2018	176
International Girl Child Day	11/10/2018	11/10/2018	158
Rashtriya Ekta Diwas	01/11/2018	01/11/2018	119
International Students Day	17/11/2018	17/11/2018	332
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## 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Our Institution is a synonymous for lush green environment. It always be in the fore front in protecting the environment in the campus • It has taken initiative for water conservation and management which helps to trap underground water through building water pits. • Solar panels are installed for renewable energy so as to save non renewable sources. • Non - polluting vehicles like buggy's operated with electricity were introduced for the mobility in the campus for visitors and carrying of material, walking is encouraged for health and pollution free environment. • Waste like solid waste and E-waste was sold and generated revenue which is further used for environment protection. • Vermi composting is processed with fallen leaves and food waste collected from the canteen in the campus to maintain a clean and green environment.

## 7.2 – Best Practices

## 7.2.1 – Describe at least two institutional best practices

Best Practice I 1. Title of the practice Research and Innovation 2. Objectives of the practice The objectives are • To motivate and encourage faculty in publishing research papers projects. • To encourage faculty towards research by providing incentives. • To conduct workshops, conferences and seminars in national and international level. • To encourage faculty members for doing research in their thrust areas. • To enhance and achieve consistency in research. 3. The context Aditya College of engineering technology creates a positive environment that helps to enhance faculty personal growth as well as institutional growth. Creating passion towards research activity. ACET

encourages the faculty to join in Ph.D admission in various universities/NIT/IITs. Faculty members involving research help them to create knowledge and sharing knowledge. Research inspires personal growth and inspires the advancement of individual and cluster. Research is a tool for building knowledge and facilitating learning. Research incentives are constantly providing to the faculty to encourage them in research to publish research papers in high impact factor journals, books, conferences (international and national). Encouraging the faculty in undertake consultancy projects given by government and international organizations. Innovation persuades faculty to do research, explore novel ideas and use different tools for creating new.

4. The practice • Aditya College of Engineering Technology provides research incentive scheme every year for the contribution in all areas of research for the faculty. • The college provides incentive for research journals published in SCI, UGC Scopus by the faculty individually or collaboration. • ACET also provides incentive for the conference (International and National), Seminar, Books and Book chapters. • Encourage the faculty for innovations, patents and books.

5. Evidence of Success ACET endeavors hard to make a position for themselves in every field of research. Every year workshops and conferences is held from various domains share their knowledge through their interaction with the participants. Table 1 2 gives information about research publications, conferences (International National) published/presented by our faculty. Table 3 provides information on conferences/workshops organized by the college. • 01 faculty from CSE department working as a Research guide. Under his research guidance 01 student is perusing Ph.D.

6. Problems encountered and Resources • Plagiarism is the biggest problem faced by the faculty doing research. The college management provides the plagiarism software tools for the better progress in research. • At the entry faculty requires constant motivation for research, our management provides expert talks from various organizations to create passion towards research among faculty peer groups. • The faculty was encouraged to carry out research in addition to teaching. Regular concern is taken for the quality of teaching -learning experience.

Best practice II

1. Title of the practice Merit scholarship scheme

2. Objectives of the practice The main objective of the scheme is • To provide financial assistance to the meritorious student and financial weak students to pursue technical education in the college. • To provide holistic education. • To offer quality education at affordable costs. • To mould students and make them useful to the society.

3. The context Education is a source of light in the face of darkness, hope in the face of despair, strength in the face of weakness, and freedom in the face of enslavement. It has the ability to transform a person from a state of lack and ignorance to one of abundance and enlightenment. Education provides us with both means and significance in our life.

4. The practice Merit Scholarships is another best practice that is initiated by our Institution to encourage students admitted in our Institution with below 40,000 ranks in EAMCET entrance exam conducted by Andhra Pradesh state Government for admission into Engineering Colleges of Andhra Pradesh. This practice is started from the year 2016. It is a supportive solution mechanism for encouraging financially weak and merit students also. At present financial situation families with average and lower income groups are hesitating in sending their children for higher education becomes almost impossibility. Higher education becomes dream for the financially low income and rural areas. ACET is providing higher education and guidance are provided such that their dream turns into true by giving merit scholarships every year. This motivates the student to challenge himself to reach higher goals in his own life.

5. Evidence of success ACET provides merit scholarships for the students joined in the college by securing rank below 40,000 in EAMCET conducted by Andhra Pradesh government every year. Merit scholarships had been initiated in the campus form 2016 onwards. This an encouragement for students to reach their goals in near future • In 2016-17 79 students got benefited from this scheme. • Out of 79 students 55 (43) girl

students got benefited from the scheme. 6. Problem encountered and resources required • Sufficient funds are available to meet the merit scholarships of students every year.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

[http://www.acet.ac.in/acet/All\\_commitees/Best\\_2018-19.pdf](http://www.acet.ac.in/acet/All_commitees/Best_2018-19.pdf)

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

1. Inclusive Transportation and Societal Development Aditya College of engineering and technology is committed to societal development with its public facilities. It always stands head high with its service-oriented facilities and activities meeting the complex needs of students and staff. One such facility is its astounding inclusive transportation system. Its main objective is to educate people and empower the society providing access to technical and managerial education. From times immemorial transportation brought a drastic change and revolutionized the development in all walks of life. It plays a major role in Technological, Sociological, Economical and Educational perspective. Our college aimed to bring about a change through its transportation facility i.e Buses. 34 buses of our institution ply to different regions surrounding the college up to the radius of 70 kms. The Buses are well equipped with safety tools like fire extinguisher, speed controller and First-Aid box. The majority of buses cover the villages or remote areas where there is meagre transportation facility. Its main motive is to encourage students particularly girls to pursue professional education and empower students with knowledge, skills and employment as well to inculcate responsibility to promote education in their region and bring about a change in their society. Considering, the notions and inhibitions of the society our institution took a major step to address the issues by providing the bus facility interior or rural areas to instil confidence in parents and people regarding the care and concern of our college for the students and security to girls so that they encourage their wards to have professional education.

2. Research Centre and Innovation The Departments of Computer Science Engineering and Mechanical engineering have been recognized as research Centers in our college. Our institution is marching ahead for excellence with a Novelty - driven and fervor - driven approach in the field of research, contributing to interdisciplinary and multidisciplinary fields. Research centre's are working in a wider aspect involving the research scholars, faculty and students as individuals and groups, to carry out research in their area of interest and collaborate with other disciplines to understand the inter related areas in order to learn the applications in various fields providing training through academics and hands-on approach. The centre's are equipped with well established laboratories like upgraded hardware and software, Machine learning lab, robotics lab first of its kind in our region and machine tools lab. The center's also encourages students and faculty to participate in various seminars, conferences, workshops, Paper Presentations, Projects and Internships to understand and learn new areas of research. They wish to collaborate with companies, industries and other institutions providing exposure to students and faculty in their relevant fields where innovative applications can be applied for processing and production of products. Many proposals were sanctioned from AICTE, ATAL, CERB, DST that funded for the trainings, seminars and faculty development programmes were applied through these centre. The research center works with an aim to stimulate all the faculty and students to acquire high potential in research and innovation.

Provide the weblink of the institution

<http://www.acet.ac.in/includes/committees/images/ID/ID18-19.pdf>

### **8.Future Plans of Actions for Next Academic Year**

Enhancement of Research Activities, Aiming for funding from Govt. agencies.  
Implementation of Outcome Based Education (OBE). Planning to go for NBA  
Accreditation for at least 3 departments. Improve quality publications in reputed  
journals Improve Student participation in curricular, extra curricular activities  
Encourage faculty and students to participate in National and International  
Conferences Planning to organize Project expo to exhibit the innovative ideas of  
the students