



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	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	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	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

**3. Website Address**

Web-link of the AQAR: (Previous Academic Year)	<a href="http://acet.ac.in/acet/All_commitees/AQAR%20ACET%202016-17.pdf">http://acet.ac.in/acet/All_commitees/AQAR%20ACET%202016-17.pdf</a>
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<b>4. Whether Academic Calendar prepared during the year</b>	Yes
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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>
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**5. Accrediation Details**

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
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**7. Internal Quality Assurance System**

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

Workshop on Research in Engineering and Paper writing	11-Nov-2017 1	87
Designing Effective Teaching under Outcome based Education organized by NITTTR, Kolkata	20-Nov-2017 5	35
Workshop on Scientific Writing	23-Feb-2018 1	80
Two days Webinar on Awareness program on Plagiarism	06-Mar-2018 2	85
Orientation program on Academic Quality Improvement in Engineering Education	07-Sep-2017 1	126
No Files Uploaded !!!		

**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
NIL	NIL	NIL	2018 0	0
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**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

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

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

IEEE Student chapter has been established. CSI Student chapter has been established. Based on the recommendations of the IQAC, new Training Department

has been established. The placements have been improved due to additional Training programs. Faculty are encouraged to participate in Workshops/Conferences. Orientation Program for 1st Year students.

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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
To enrich the teaching process	Many faculty are registered for NPTEL lectures and and qualified in written test.
Establishment of Training Department	Training Department has been started.
To provide need based Teaching	Additional revision lectures and practical sessions are conducted. Support from expert guest faculty from industry and academia is taken and guest lectures are arranged.
To encourage faculty participation in seminar, workshop and conference	Many Faculty members attended faculty development programs to enhance their domain expertise and knowledge of latest trends.
To conduct training programs thorough APSSDC	Sanctioned CM's Excellency Centre for APSSDC.
To avail funding facility by various funding agencies	Dr. R.V.S. Lalitha received Rs.20,000/- from Aditya College of Engineering & Technology as a part of In house funding project.
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Governing Body	30-Nov-2017

**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

2018

Date of Submission

09-Feb-2018

<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Aditya College of Engineering and Technology has developed an E Governance Policy with the primary goal of incorporating E Governance into the Institutions different interactions and services. It is planned to provide training to all the staff for effective usage of integrated user friendly Enterprise Resource Planning (ERP) technologies to automate various modules of Institutional. The right ERP must be deployed and put into proper use under the guidance of the Institutions Governing Body, and relevant training must be offered for the Colleges staff members in order to get the most out of the program and interact with stakeholders. The modules includes the following 1. Administration 2. Finance and Accounts 3. Student Admission and Support 4. Examination 5. Library</p>

## 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, for both undergraduate and postgraduate programmes, and follows the affiliating university's syllabus. The Institute's event calendar is based on the Academic Calendar of the affiliating University, which includes the Curricular, Co-curricular, and Extra-curricular activities of the Institute and its departments. Despite the fact that the University prescribes the syllabus, the Institution develops the Curriculum Plan to meet the College's Vision and Mission. Stakeholder meetings are held on a regular basis to develop new teaching and learning strategies. At the start of each academic year, IQAC hosts a meeting with department heads to submit the following documents. 1. Calendar of Departmental Events 2. Bridge Courses List 3. Assignment for the Course 4. Certificate Courses List. The IQAC is responsible for keeping track of the Department's operations. For creating course files, IQAC provides a structured format. Every two weeks, the Head of Department assesses class work, tutorial sessions, student performance, and the status of the syllabus. The two methods for evaluating students are internal and external assessment. A student's internal evaluation is determined by their performance on two sessional exams per semester. Each sessional exam has three sections: descriptive, objective (online), and assignment. The university conducts a descriptive external assessment at the end of each semester. A student's grade is determined by the results of both internal and external exams.

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 Reinforced cement concrete detailing	Nil	07/08/2017	6	Employability	Technical
Certificate course on COMPUTER HARDWARE and NETWORKING	Nil	24/07/2017	10	Employability	Technical
Certificate course on IOT training to ECE	Nil	04/09/2017	10	Employability	Technical
Certificate course on python for ECE	Nil	04/12/2017	10	Employability	Technical
Certificate course on Power systems analysis on MATLAB	Nil	24/07/2017	6	Employability	Technical
Certificate course on WEB Development using PHP	Nil	21/08/2017	10	Employability	Technical
Certificate course on Work shop on Anukiran - mimicking robots	Nil	11/12/2017	6	Employability	Technical
Certificate course on Angular JS	Nil	11/09/2017	10	Employability	Technical
Certificate course on MEAN STACK	Nil	22/01/2018	6	Employability	Technical

Certificate course on Banking Products Services	Nil	22/01/2018	6	Employability	Technical
Certificate course on Devops	Nil	29/01/2018	6	Employability	Technical

## 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	29/06/2017
BTech	ELECTRICAL & ELECTRONICS ENGINEERING	29/06/2017
BTech	MECHANICAL ENGINEERING	29/06/2017
BTech	ELECTRONICS & COMMUNICATION ENGINEERING	29/06/2017
BTech	COMPUTER SCIENCE ENGINEERING	29/06/2017
BTech	INFORMATION TECHNOLOGY	29/06/2017
MBA	MASTER OF BUSINESS MANAGEMENT	04/09/2017
MCA	MASTER OF COMPUTER APPLICATIONS	04/09/2017
Mtech	COMPUTER SCIENCE & ENGINEERING	18/09/2017
Mtech	POWER ELECTRONICS	18/09/2017
Mtech	EMBEDDED SYSTEMS	18/09/2017
Mtech	CAD/CAM	18/09/2017
Mtech	THERMAL ENGINEERING	18/09/2017
Mtech	STRUCTURAL ENGINEERING	18/09/2017

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

	Certificate	Diploma Course
Number of Students	742	Nil

## 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 RHCSA(Red Hat Certified System Administrator)	22/01/2018	76
Value added course on SUSTAINABILITY AND ENTREPRENEURSHIP	19/02/2018	86
Value added course on IOS	21/08/2017	50
Value added course on Introduction to JAVA for ECE	23/10/2017	63
Value added course on Workshop on robotics	04/12/2017	175
Value added course on Welding Foundation	04/10/2017	195
Value added course on Diagnosis of Refrigeration Air Conditioning Systems	17/07/2017	165
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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 ENGINEERING	86
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	153
BTech	MECHANICAL ENGINEERING	361
BTech	ELECTRICAL AND COMMUNICATION ENGINEERING	204
BTech	COMPUTER SCIENCE ENGINEERING	110
MBA	MBA	135
MCA	MCA	30
Mtech	STRUCTURAL ENGINEERING	15
Mtech	POWER ELECTRONICS	8
Mtech	THERMAL ENGINEERING	8
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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

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, as well as a questionnaire that covers key topics like syllabus coverage, course material, teaching methodology, faculty communication skills, and so on. After collecting feedback from faculty, IQAC will analyze it and submit a report to the Principal. Faculty who perform poorly will be contacted by the Principal and Head of Department, who will offer suggestions on how to improve. Positive feedback from faculty members is praised and encouraged in staff meetings. Employers who come to campus for recruitment, guest lectures, and interactive sessions provide feedback to IQAC. As a result of the students feedback, the institution has implemented Value Added Courses to assist students in improving their employability skills. The IQAC collects feedback from parents during Parent-Teacher Meetings. The students daily attendance is communicated to the parents via SMS based on their feedback. The institution has organized industrial visits and field trips in response to student feedback.

### 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
BTech	Civil Engineering	120	75	69
BTech	Electrical and Electronics Engineering	120	69	66
BTech	Mechanical Engineering	240	215	200
BTech	Electronics and Communications Engineering	240	245	240
BTech	Computer Science and Engineering	120	122	120
BTech	Information Technology	60	59	56
Mtech	Computer Science and Engineering	24	2	2
Mtech	Power Electronics	18	8	8
Mtech	Embedded Systems	18	1	1
Mtech	CAD/CAM	18	5	5

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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
2017	3083	226	161	10	14

## 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
185	155	7	61	61	5

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

### 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 in 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
3309	185	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
185	41	0	41	2

### 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
2017	RELANGI ANIL	Assistant	NPTEL-ELITE

	KUMAR	Professor	
2017	RELANGI ANIL KUMAR	Assistant Professor	NPTEL-ELITE-GOLD
2017	RELANGI ANIL KUMAR	Assistant Professor	NPTEL- EliteSilver(Topper of 5 in this course)
2017	RELANGI ANIL KUMAR	Assistant Professor	NPTEL-Elite
2018	SHEIK AHMAD SHAH	Assistant Professor	NPTEL-ELITE
2018	RAVURI LALITHA	Assistant Professor	NPTEL-ELITE
2018	KOVVURI N BHARGAVI	Assistant Professor	NPTEL-ELITE
2018	BOLISETTI SANTHOSHI	Assistant Professor	NPTEL-ELITE
2018	P RAVIRAJA REDDY MALLIDI	Assistant Professor	NPTEL-ELITE
2018	INAKOTI RAMESH RAJA	Assistant Professor	NPTEL-ELITE
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## 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	A01	1/2	19/05/2017	17/07/2017
BTech	A02	1/1	08/11/2016	03/02/2017
BTech	A01	4/2	04/05/2017	06/06/2017
BTech	A01	4/1	22/11/2016	09/01/2017
BTech	A01	3/2	22/04/2017	08/06/2017
BTech	A01	3/1	11/11/2016	19/01/2017
BTech	A01	2/2	21/04/2017	14/06/2017
BTech	A01	1/1	20/12/2016	25/02/2017
BTech	A01	1/2	19/05/2017	17/07/2017
BTech	A01	2/1	08/11/2016	03/02/2017
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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
D87	Mtech	SE	15	8	53.33
D04	Mtech	CAD/CAM	5	4	80
D55	Mtech	ES	1	1	100
D43	Mtech	PE	8	7	87.5
D58	Mtech	CSE	2	1	50
A05	BTech	CSE	109	95	87.16

A04	BTech	ECE	205	190	92.68
A03	BTech	ME	246	218	88.62
A02	BTech	EEE	75	66	88
A01	BTech	CE	75	65	86.67
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## 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/2017\\_18\\_SSS\\_report.pdf](http://acet.ac.in/acet/All_commitees/2017_18_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
Nil	0	NIL	0	0
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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
Stock Market Operations	HBS	18/08/2017
Seminar on Finance	HBS	28/07/2017
Employability skills	CSE,EEE	20/06/2017
Seminar on Marketing	HBS	24/08/2017

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
NIL	NIL	NIL	Nil	NIL
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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
NIL	NIL	NIL	NIL	NIL	Nil
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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

NA	0
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### 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	6	0.55
International	ECE	2	0.10
International	IT	4	0.10
International	HBS	1	0.20
International	EEE	1	0
International	CE	1	0
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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
NIL	0
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### 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
Design and Implementation of High Speed Modified Russian Peasant Multiplier using 8-2 Adder Compressors	E. Jagadeeswara Rao, A.Rama Vasantha	International Journal of Research and Computer Engineering	2018	0	Aditya College of Engineering Technology	2
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.Samatha, V.Veeraiah	Physics of Condensed Matter	2017	0	Aditya College of Engineering Technology	23
Leaf Cla	M.Anil	Internat	2017	0	Aditya	17

Classification Using Completed Local Binary Pattern of Textures	Kumar, Ravi Babu Uppu	International Journal of Innovations Advancement in Computer Science			College of Engineering Technology	
An overview on multimedia data mining and its relevance today	Ch.Sujana, M.Kalyan Ram	International Journal of Computer Science and Technology	2017	0	Aditya College of Engineering Technology	3
An overview on Image retrieval using Image processing techniques	Ch.Sujana, M.Kalyan Ram	International Journal of Computer Science and Technology	2017	0	Aditya College of Engineering Technology	0
Reducing Security Febleness Issues in Centralized Server Data by the Attackers using Sensors	R.V.S.Lalitha, G.Jaysuma	International Journal of Engineering Applied Sciences and Technology	2017	0	Aditya College of Engineering Technology	0
Electronic Customer Relationship Management for Customer Satisfaction in Online Banking with Special Reference to ICICI Bank in Kakinada	K. Shanker Ganesh, B.Swathi Devi	International Journal for Research and Development in Technology	2017	0	Aditya College of Engineering Technology	0
Simultaneous DG and	K. Ravindra, K. R. K. V	International Journal of	2017	0	Aditya College of Engineering	0

Capacitor Placement for Energy Loss Minimization with Constant and Time Varying Load Profile	Prasad, M. N. Rao, and R. S. Rao	Control Theory and Applications			g Technology	
Multipath transmission optimized shortest a knowledge based neighbour discovery	Sk.Ahmed Shah, P.V. Krishna Raja	International Journal of scientific research in Science and Technology	2017	0	Aditya College of Engineering Technology	0
Multihop Transport Protocol Communication route switching for Mobile Ad hoc Networks	Sk.Ahmed Shah, P.V. Krishna Raja	International Journal of scientific research in Science and Technology	2017	0	Aditya College of Engineering Technology	2
<a href="#">View File</a>						

### 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
Design and Implementation of High Speed Modified Russian Peasant Multiplier using 8-2 Adder Compressors	E. Jagadeeswara Rao, A.Rama Vasantha	International Journal of Research and Computer Engineering	2018	0	2	Aditya College of Engineering Technology
Comparative Study of Synthesis, Structural and Magnetic	A. Rama Krishna, N.Muralia, S.J.Margaretta, K.S amathaa, V.Veeraiah	Physics of Condensed Matter	2018	228	23	Aditya College of Engineering Technology

Properties of Cu <sub>2</sub> substituted Co-Ni, Co-Zn and Co-Mg Nano Ferrites						
Leaf Classification Using Completed Local Binary Pattern of Textures	M.Anil Kumar, Ravi Babu Uppu	International Journal of Innovations Advancement in Computer Science	2017	0	17	Aditya College of Engineering Technology
An overview on multimedia data mining and its relevance today	Ch.Sujana, M.Kalyan Ram	International Journal of Computer Science and Technology	2017	48	3	Aditya College of Engineering Technology
An overview on Image retrieval using Image processing techniques	Ch.Sujana, M.Kalyan Ram	International Journal of Computer Science and Technology	2017	48	0	Aditya College of Engineering Technology
Reducing Security Feebleness Issues in Centralized Server Data by the Attackers using Sensors	R.V.S.Lalitha,G.Jaysuma	International Journal of Engineering Applied Sciences and Technology	2017	4	0	Aditya College of Engineering Technology
Electronic Customer Relationship Management for Customer Satisfaction in Online Banking with	K. Shanker Ganesh, B.Swathi Devi	International Journal for Research and Development in Technology	2017	0	0	Aditya College of Engineering Technology

Special Reference to ICICI Bank in Kakinada						
Simultaneous DG and Capacitor Placement for Energy Loss Minimization with Constant and Time Varying Load Profile	K. Ravindra, K. R. K. V Prasad, M. N. Rao, and R. S. Rao	International Journal of Control Theory and Applications	2017	17	0	Aditya College of Engineering Technology
Multipath transmission optimized shortest a knowledge based neighbour discovery	Sk.Ahmed Shah, P.V. Krishna Raja	International Journal of scientific research in Science and Technology	2017	0	0	Aditya College of Engineering Technology
Multihop Transport Protocol Communication route switching for Mobile Ad hoc Networks	Sk.Ahmed Shah, P.V. Krishna Raja	International Journal of scientific research in Science and Technology	2017	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
Attended/Seminars/Workshops	0	7	0	5
Presented papers	6	0	0	0
No file uploaded.				

### 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

YOUTH CONVENTION PROGRAMME AT VAETLAPALEM	JNTUK NSS	2	127
COMMUNITY PLEDGE AT PEDDAPURAM ON NSS DAY	PEDDAPURAM PANCHAYAT	2	458
PLANTATION OF SAPLINGS	AANURU PANCHAYAT	2	45
ESSAY WRITING COMPETITION ON SCIENCE AND TECHNOLOGY FOR SCHOOL STUDENTS	AANURU PRIMAY SCHOOL	2	184
VACCINATION AND HEALTH CAMP	PRIMARY HEALTH CENTER	4	203
KIRAN EYE HOSPITAL HEALTH CAMP	KIRAN EYE HOSPITAL	2	147
VILLAGE SURVEY AT RANGAMPETA ON OPEN DEFECATION FREE	AANURU PANCHAYAT	2	122
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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
NIL	NIL	NIL	0
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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	Debate on "How to prevent sexual harrasement"	2	30
WOMEN EMPOWERMENT	INTERNAL COMPLAINTS COMMITTEE (ICC)	Seminar on Fundamental Women Rights	2	50
WOMEN EMPOWERMENT	INTERNAL COMPLAINTS COMMITTEE (ICC)	Essay writing competition on the topic of "Role of Indian Women in the world today"	2	25
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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
NIL	NIL	NIL	0
No file uploaded.			

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
INDUSTRIAL VISIT	Learner	NUEVE IT SOLUTIONS PVT LTD, INDIAN OPERATIONS MANAGER	26/07/2017	26/07/2017	55
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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
EDGATE TECHNOLOGIES	17/10/2015	LAB ESTABLISHMENT	62
TCS	01/08/2017	online examination	923
APPSSDC	17/04/2018	SKILL DEVELOPMENT AND CERTIFICATION PROGRAMS SKILL DEVELOPMENT AND CERTIFICATION PROGRAMS	354
DIZITIVE IT SOLUTIONS	19/08/2016	SKILL DEVELOPMENT AND CERTIFICATION PROGRAMS	110
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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
180	177.46

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with LCD facilities	Newly Added



Existing	743	557	30	23	80	7	46	100	0
Added	0	0	0	0	0	0	0	0	0
Total	743	557	30	23	80	7	46	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	<a href="#">NIL</a>

#### 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
85	80.72	150	147.67

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)

Aditya College of Engineering and Technology ensures that the maintenance of the physical, academic and support facilities is carried out in a planned and systematic manner as per the standard policies developed by the Institute. In view of this, Department of Facility Management (FM) is established which ensures that the maintenance of the physical, academic and support facilities is carried out in a planned and systematic manner as per the standard policies developed by the Institute. The routine maintenance is done by cleaning, dusting, sweeping and Mopping of all areas daily by the contractual housekeeping staff. The Institute has a workforce of Carpenters, Masons, Electricians and Plumbers for minor repairs. The Institute also ensures that all the buildings are periodically painted and Structural Audit is carried out every 3 years through qualified Structural Engineers. The maintenance of Fire Alarm Systems as prescribed by the Chief Fire Office of the Municipal Corporation of Kakinada is outsourced to an agency empanelled by the municipal corporation submits its service reports monthly to the Security Officer. The FM Department periodically (bi-annually) sends the potable water sample to the registered Laboratories for testing purpose. All the underground and overhead water tanks are cleaned by professional service-providers thrice a year using sophisticated equipment including UV equipment. The Pest control including general disinfection, rodent treatment and larva breeding along with anti-termite is done periodically The Systems Department with a qualified Systems Manager and 16 personnel ensure the IT infrastructure are always in working condition. Only hi-branded computer and networking hardware are purchased from reputed companies with extended 3-years warranty with the maintenance for first 3 years is taken care by the vendor/supplier. The Server and the firewall are covered under the Comprehensive Annual Maintenance contract. The Institute also has a full time Maintenance Engineer and an independent maintenance room (Scrounge) for carrying out IT maintenance. Every laboratory maintains a complete record of the equipment such as Dead-Stock Register, Maintenance Register, utilization, and Lab-Readiness Certificate. All the documents are verified by Lab in charge (a faculty member) and are kept in accordance with

the standard procedures The library staff is responsible for day-to-day operations such as issues and receipts as well as routine maintenance of the books, e-books, magazines, journals, and other library resources. The library management is fully computerized and integrated with the Institutes virtual system. All the sports facilities are looked after by the Sports Department team comprising of sports Officer three Sports Instructors. The Institute also provide an ambulance service for everyone in the campus in case of medical emergency. The ambulance is accompanied with a medical attendant, two rescue team members and a driver. They provide first aid treatment and if required they take the patient to the nearest Government or Private hospital.

<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	1607	8094800
Financial Support from Other Sources			
a) National	Govt Fee Reimbursement	2284	80968000
b)International	NIL	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- Training on APTLOGIC	10/07/2017	181	Mr. K Bharath Kumar Techinal HUB, Surampalem 9346445450
Life skills- Health with organic food	08/09/2017	110	Dr. Gowtham Deekshithilu 9032047583 Research Scholar Acharya N.G Ranga Agricultural University, Bapatla
ICT/Computing skills-Salesforce training	11/09/2017	153	Mr. Md. Shaifu Zama Techinal HUB, Surampalem 7729990360
Life skills- Arogya with yoga	27/11/2017	138	Mr. MVSJ Nagendrababu nagend ramvsj@gmail.com Sahaja yoga meditation
ICT/Computing skills-Training on java with meanstack	18/12/2017	143	Mr. M Ashok Techinal HUB, Surampalem 9346296194

Language and communication skills- A one day programme on improve vocabulary to sound smarter	29/12/2017	65	Mrs J M Kanthi Thilaka GIET Rajahmundry, 9490480262
Language and communication skills- One week STTP on Hindi	12/02/2018	40	Mrs. Sneha M Joseph ACET, Surampalem 9676630555
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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
2017	Orientation on Career Opportunities for Engineering Graduates	Nil	372	Nil	125
2018	Orientation session on Career Planning and Management	Nil	361	Nil	96
2017	Development of career strategies for Engineering graduates	Nil	353	Nil	104
2017	Awareness Program on GATE	357	Nil	6	Nil
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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
Capgemini	268	11	Wipro	416	16
<a href="#">View File</a>					

#### 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
2018	1	B. Tech	Civil	GMR Engineering College, Srikakulam	M-Tech
2018	1	B. Tech	Civil	KIET, Korangi	M-Tech
2018	1	B. Tech	Civil	Gayathri Vidya Parishad, Vishakhapatnam	MBA
2018	1	B. Tech	ECE	The American Business School	MBA
2018	1	B. Tech	ECE	Pragathi Engg College, Surampalem	M-Tech
2018	1	B. Tech	ECE	ICFAI Business School	MBA
2018	1	B. Tech	EEE	Chaitanya Institute of Science & Technology, KKD	M-Tech
2018	1	B. Tech	EEE	Adarsh engineering college, chebrolu	M-Tech
2018	1	B. Tech	EEE	pydah college of engineering, patavalla	M-Tech
2018	1	B. Tech	EEE	Adarsh engineering college, chebrolu	M-Tech
<a href="#">View File</a>					

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	1
Any Other	5
No file uploaded.	

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 - 2018	National Level	166
National Sports Day 2017	National Level	22
Independence Day Sports Games 2017	National Level	146
Dance	National Level	154
Singing	National Level	128
Skit	National Level	82
Photography	National Level	25
Poster	National Level	54
Fancy Dress	National Level	165
Essay writing	National Level	43
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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
2017	7th JNTUK B-ZONE INTER COLLEGIATE CRICKET TOURNAMENT(Runners)	National	1	Nil	15P31A04H9	Y V V D Poorna Chandra Rao
2017	7th JNTUK B-ZONE INTER COLLEGIATE CRICKET TOURNAMENT(Runners)	National	1	Nil	13ME1A0525	G.Taraka ram
2017	7th JNTUK B-ZONE INTER COLLEGIATE CRICKET TO	National	1	Nil	16P31A0576	D.Rama Rao

	URNAMENT(R unners)					
2017	7th JNTUK B- ZONE INTER COLLEGIATE CRICKET TO URNAMENT(R unners)	National	1	Nil	15P35A0241	S N Hussain
2017	7th JNTUK B- ZONE INTER COLLEGIATE CRICKET TO URNAMENT(R unners)	National	1	Nil	16P31A04J7	K Satish Reddy
2017	7th JNTUK B- ZONE INTER COLLEGIATE CRICKET TO URNAMENT(R unners)	National	1	Nil	15P31A0164	G Lakshm ipathi
2017	7th JNTUK B- ZONE INTER COLLEGIATE CRICKET TO URNAMENT(R unners)	National	1	Nil	16P35A0118	K Chinna Babu
2017	7th JNTUK B- ZONE INTER COLLEGIATE CRICKET TO URNAMENT(R unners)	National	1	Nil	14P31A03D3	M V V Naveen kumar
2017	7th JNTUK B- ZONE INTER COLLEGIATE CRICKET TO URNAMENT(R unners)	National	1	Nil	14P31A0555	S V Durga Prasad
2017	7th JNTUK B- ZONE INTER COLLEGIATE CRICKET TO URNAMENT(R unners)	National	1	Nil	15P31A0310	Ch.Naresh Kumar

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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)

The Students of Aditya College of Engineering and Technology have ample representation in various forums that provide opportunities to showcase their leadership skills. In consultation with the Principal, the Heads of the various departments and faculty choose the student committee coordinators. Student Representation: Students are adequately empowered through various clubs, cells, and committees within the Institution. Clubs play a crucial role in college life and strongly encourage students to organize and maintain them. Clubs are active under the coordination of senior students and faculty. Eco club, Community club, Health club, and Language club are functioning in the Institution. Institute also has two cells to focus on improving students relationships with alumni and becoming entrepreneurship in the future, such as the Alumni coordination cell and Entrepreneurship development cell and incubation centre. The Alumni coordination cell: will discuss the career opportunities in the real-world competition and strengthen the institution alumni activities, respectively. Entrepreneurship development cell and incubation centre: will make necessary arrangements to teach the startup culture amongst the students to be self-reliant. The Institution also has a National Service Scheme (NSS) for students social welfare and service to society. The committees focus on improving students harmony by conducting awareness programs, strengthening the institutes academic facilities, and procuring the required resources. It will also discuss the career opportunities in the real-world competition. It also focuses on students educational programs. 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. Students Council: The students council members are directed to look into the welfare of students, and it could represent students of all departments, and two senior faculty members coordinate it. The Principal discusses the educational issues with the council members twice a semester and recommends corrective actions. The students council member will be elected by the currently enrolled students (i.e., one girl and one boy student secretary chosen by the committee) of the college through an interview process carried out by the committee and decided by the Principal. Council members act as the student secretaries of all the functioning committees and clubs of the college and hold equal responsibilities in the proper functioning of the committees and clubs. The roles and responsibilities of the student council members are to maintain good discipline, a decent working environment and healthy interaction among the student community on campus. Briefed information regarding all committees active in college: <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:

589

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

One re-union organized in the academic year 2017-18 and two alumni interactions

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)?

Partial

### 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
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>

Curriculum Development	<p>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.</p>
Admission of Students	<p>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, PGCET, ICET). Management quota seats are filled by inviting applications from the deserving candidates and filled on the basis of merit and reservation.</p>
Industry Interaction / Collaboration	<ul style="list-style-type: none"> <li>• The institute has signed MoUs with various industries and organizations.</li> <li>• Faculty and students are encouraged to go for study tour to visit the nearby industries for better exposure through close interaction with industry experts.</li> <li>• Seminars and Guest lectures are conducted for the students by inviting eminent corporate personalities to enhance student knowledge and to give an industry exposure.</li> <li>• For improving the technical skills of students, the Institute organizes workshops and hands on training programs on advanced technologies.</li> </ul>
Human Resource Management	<p>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 <a href="http://www.facultyplus.com">www.facultyplus.com</a> 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.</p>
Examination and Evaluation	<ul style="list-style-type: none"> <li>• College follows the continuous evaluation as per the guide lines given</li> </ul>

by the JNTUK. The weight-age has been given for MID 1 and 2 assessment and semester end examination. • Students Examinations - The evaluation of semester end examination papers is carried out by the University. • Faculty members evaluate Mid 1 and 2 examination papers and assignments and post in the University portal. • The laboratory courses are evaluated by Conducting internal Examinations and End exam. • 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.

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.

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

E-governance area	Details
<p>Planning and Development</p>	<p>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.</p>
<p>Administration</p>	<p>ECAP software tool is used for all the administrative purposes to maintain record of employees and students.</p>

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	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. The Cell is fully equipped with computers, reprographic facilities and Internet connection. The examination cell posts the internal marks, attendance in the University portal.

### 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
2017	Mr.K. Naga Bhargavi	ICCIDS 2017, 2-3 June 2017,SSNCE, Kalavakkam,Tamilnadu	Nill	7000
2017	Mr. Muthevi Anil Kumar	ICRTESSM-2017, 24th June 2017,OU-HYD	Nill	3000
2017	Mrs.A.Lalitha Jyothi	Nill	ISTE Life Membership	3000
2017	Dr. Buddana Suryanarayana Murthy	RAMSA -2017,19-22 Dec 2017,GVPCE,Visakhapatnam	Nill	2500
2017	Mr.Kotamarthi Vijay	NTMESR - October 7th,2017, UCE, Vizianagaram	Nill	1000
2017	Mr.B.Manikyala Rao	Nill	ISTE Life Membership	3000

2017	Mr.M,Mastan Siva Krishna	Nil	ISTE Life Membership	3000
2018	Mr.T .S. S Bhaskara Rao	CDAMIES - 2018,18-20 Jan 2018, NIT .Tiru chirappalli	Nil	4000
2018	Dr. Nakka Rajeswara Rao	ICAPM-2018,2-4 February 2018,C IPET,Bhubaneswa r	Nil	4000
2017	Mr K R K V Prasad	Nil	IEI Life Membership	4189
<a href="#">View File</a>				

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)
2017	Seminar on Rivet Structures	Nil	08/07/2017	08/07/2017	25	Nil
2018	Faculty Developmen t Programme on Power E lectronics and Power Systems using PSIM CYME	Nil	07/05/2018	12/05/2018	26	Nil
2018	Faculty Developmen t Programme on Reaserch avenues in transporta tion engin eering	Nil	16/04/2018	21/04/2018	24	Nil
2018	Faculty Developmen t Programme on Waste to Energy	Nil	12/03/2018	17/03/2018	25	Nil
2018	Workshop	Nil			49	Nil

	on Progressive Web development using React JS Bootstrap4		27/02/2018	28/02/2018		
2017	National Level Workshop on Experimental Techniques in Welding technology	Nil	22/12/2017	23/12/2017	54	Nil
2017	Workshop on Recent advances in manufacturing engineering	Nil	02/11/2017	03/11/2017	51	Nil
2017	Nil	A Three Days Training Program on IT Tools for Office Automation	23/10/2017	25/10/2017	Nil	25
2017	Faculty Development Programme on Statistics with R- Programming	Nil	19/06/2017	24/06/2017	50	Nil
2017	Faculty Development Programme on Recent Trends in Communication wireless networks	Nil	12/06/2017	17/06/2017	49	Nil
<a href="#">View File</a>						

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
SCILAB PROGRAMMING	10	21/08/2017	25/08/2017	5

3D PRINTING TECHNOLOGY TO ENGINEERING EDUCATION (BATCH-II)	1	10/07/2017	15/07/2017	6
RESEARCH PERSPECTIVES ON SOLAR PV SYSTEMS: DESIGN, SIMULATION APPLICATIONS	2	30/04/2018	04/05/2018	5
VSLI DESIGN THROUGH ICT	3	09/10/2017	13/10/2017	5
MACHINE LEARNING USING PYTHON	1	29/04/2018	04/05/2018	6
INNOVATIONS IN TEACHING ENGLISH	1	06/12/2017	10/12/2017	5
ENGLISH COMMUNICATION SKILL PROJECT APSCE BRITISH COUNCIL	4	03/06/2017	07/06/2017	5
FDP ON POWER ELECTRONIC APPLICATIONS FOR RENEWABLE ENERGY AND ELECTRICAL VEHICLE	1	04/12/2017	09/12/2017	6
SEMINAR ON FUNDAMENTALS OF ANALOG AND DIGITAL COMMUNICATION SYSTEM	39	03/10/2017	03/10/2017	1
NEXT BASIC DESIGN AND VALIDATION	1	14/05/2018	18/05/2018	5
<a href="#">View File</a>				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nil	185	Nil	250

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Free transport is provided to all staff	ESI, EPF, Subsidized Lunch, Free Transport	Merit Scholarship, Primary health center,

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 with nominal rent.

Ambulance

#### 6.4 – Financial Management and Resource Mobilization

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

Internal and external auditing are used by the Institute to ensure financial compliance. The institutional accounts are audited on a regular basis. If the auditors make any observations, they are quickly corrected / rectified.

Internal Audit: The Institute has a continual internal auditing system in place. Qualified Auditors have been appointed on a permanent basis, and a team of staff members has been delegated to them to conduct a complete review and verification of all payments, receipts, transaction vouchers, cash books, and ledgers. External Audit: The Institute selected an external auditor to conduct an audit of the Institutes financial accounts. At the end of each financial year, the external auditor audits the records and prepares the revenue and expenditure, as well as the 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
Nil	0	Nil
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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. Informal meetings are being conducted to identify the issues related to students. 2. Presently parent teacher meeting will be conducted as and when required and also feedback from parents is collected timely and it is analyzed for taking measures for further development of the Institution in all levels.

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

1. Training program like Photoshop, MS Exce, MS Word are conducted to enhance the skills of the office staff. 2. Training programs related to latest technology and tools are conducted for lab technician. 3. Stress management programs are organised for the staff members.

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.

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
2017	Orientation program on Academic Quality Improvement in Engineering Education	03/07/2017	07/09/2017	07/09/2017	126
2017	Workshop on Research in Engineering and Paper writing	03/07/2017	11/11/2017	11/11/2017	87
2017	Designing Effective Teaching under Outcome based Education organized by NITTTR,	03/07/2017	20/11/2017	24/11/2017	35

	Kolkata				
2018	Workshop of Scientific Writing	27/12/2017	23/02/2018	23/02/2018	80
2018	Two days Webinar on Awareness program on Plagiarism	27/12/2017	06/03/2018	07/03/2018	85
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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
Program on inner excellence	10/07/2017	10/07/2017	27	20
Debate on how to prevent sexual harassment	18/07/2017	18/07/2017	18	12
Program on self confidence and stress management	15/07/2017	15/07/2017	24	34

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
No Alternate Energy initiatives, but Solar energy will be implemented soon. Implementing Ban on Plastic, Restricted entry of Automobiles, Water conservation action is taken

7.1.3 – Differently abled (Divyangjan) friendliness

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

Any other similar facility	No	0
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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
2017	1	1	26/12/2017	1	Village Survey at Rangampeta on Open Defecation Free	Social Responsibility	122
2018	1	1	27/01/2018	1	Plantation of saplings	Environmental Responsibility	45
2017	1	1	12/08/2017	1	Vaccination and Health Camp	Health and Hygiene	203
2017	1	1	24/09/2017	1	Community Pledge at Peddapuram on NSS Day	Social responsibility	458
2017	1	1	31/10/2017	1	Essay Writing Competition on Science and Technology For School Students	Science and Technology	184
2017	1	1	05/12/2017	1	Kiran Eye Hospital Health Camp	Health and Hygiene	147
2017	1	1	16/12/2017	1	Youth Convention Program at Vaetlapalem	Social and Community responsibility	127

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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 Students	07/06/2016	Our institution has framed rules and regulations for students considering the norms of AICTE, JNTUK anti ragging, women protection and fundamental rights so as to maintain the good conduct and follow ethical values in the institution.
A handbook on Code of conduct for Teaching and Non-teaching staff	01/06/2016	Our institution has framed rules and regulations for teaching and Non-teaching staff considering the norms of AICTE, JNTUK anti ragging, women protection and fundamental rights so as to maintain the good conduct and follow ethical values in the institution.

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

Activity	Duration From	Duration To	Number of participants
Independence Day	15/08/2017	15/08/2017	224
Teacher's Day	05/09/2017	05/09/2017	216
World Photography Day	19/08/2017	19/08/2017	57
Onam	06/09/2017	06/09/2017	208
Engineer's Day	15/09/2017	15/09/2017	274
Gandhi Jayanthi	02/10/2017	02/10/2017	25
International Girl Child day	11/10/2017	11/10/2017	75
National Integration Day	31/10/2017	31/10/2017	50
Dusserah	30/09/2017	30/09/2017	117
Christmas	25/12/2017	25/12/2017	139
<a href="#">View File</a>			

#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Conducted plantation drives in and out of the campus.
Made Vinayaka idols with clay on the eve of Ganapathi Chaturthi
Operation of non-polluting battery vehicles inside the campus
Restricted entry of automobiles
Encouraging use of bicycles inside the campus

#### 7.2 – Best Practices

## 7.2.1 – Describe at least two institutional best practices

Best Practice I 1. Title Promoting research spirit in the faculty. 2.

Objectives When faculties are motivated, energized, and capable, they can enhance the learning of the student and support his personal development. • To motivate the faculties to do research. • To motivate the faculty in writing and publishing research papers. • To undertake research oriented publications • To organise seminars/workshops and FDPs'. • Motivating and guiding the faculty towards project. 3. The context We, at ACET create research environment that helps institutional and personal growth of the faculty. It provides a positive environment that encourages the faculty to create passion towards research. The incentives are provided to faculty to encourage them to further concentrate on research and publish their novel ideas and findings in National conference, books, monographs, journal, research projects, funded Projects, proceedings, research based seminars, workshops and FDPs. The faculty was encouraged to carry out research in addition to their teaching and administrative responsibilities. Constant care is taken to see the progress in research as well as a quality of the teaching learning process. It always encourages the faculty to undertake consultancy projects sponsored by government, non-governmental agencies. 4. The practice ACET provides research incentives for the faculty published in international journals/national journals, UGC journals, books, Conferences, book chapters. Research practice involves the following activities: 1. Conducting workshops. 2. Presenting paper in international, national conferences. 3. Research publication in reputed journals (Scopus,SCI UGC) 4. Encourage the faculty for innovations, patents and books. 5. Evidence of Success ACET sponsors the workshop conduction in various fields. Every year workshops and conferences is held from various domains share their knowledge through their interaction with the participants. 6 Problems encountered and resources • Motivating the faculty towards research at entry stages is difficult. After knowing the importance and use of research all the problems is solved. • Advance tools are necessary for the research. Management provides all tools for research. Best Practice II 1. Title Comprehensive

student proctoring system. 2. Objectives The main objective is for an uninterrupted proctoring student in each classroom for different branches. .Continuous enhancement of students in all aspects is only possible by teacher. Proctoring is regular development activity implemented in our college firmly. The objectives of our college are: 1. To enhance student-teacher relationship. 2. To counsel students' regularly will solve their problems that help to enhance student confidence in faculty. 3. To motivate students towards career oriented programs. 4. To identify the slow learners, guide them towards academic carrier prospectus. 3. Context This proctoring system is mainly introduced with a unique objective of knowing the student in person, diagnose all about his abilities and disabilities, pros and cons, likes dislikes. Based on this aspect, a very well designed mechanism is initiated which works for the overall development of the students. The problems faced by the students in the past years are collected and designed a new mechanism for the overall development of the students in the college. 4. The Practice Nearly 80 of students come to college from rural or village background. Most of the students are from low economic families. The uniqueness of the proctoring in Aditya college of Engineering Technology (ACET) is to reduce the gap between the student and faculty, not only improving in academics but also in placements. Both of them will collaborate and produces fruitful results for the development of the institute. Overall development of the students is possible through the proctoring system. This system is continuous effective process that starts from first year to final year of the course. All teaching faculty of the college act as a proctor. Every proctor contacts the parent's regularly. Every proctor act as guide and guardian to students. The main duty of the proctor is to improve the student confidence academic aspects, career guidance, sports,

entrepreneurship extracurricular activities. The proctorial process is continuous process. Proctorial process involves the following: • Nearly 20 students are allotted to one faculty. He will be the proctor for these students up to their course. • Proctoring process is incessant process, where the teachers head of the department are involved. • The proctor book contains student complete information from the first year to final year study. • Identifying the student's strengths and weakness. • Mid-marks, sessional marks, lab marks and attendance month wise and semester wise is entered in the book. • Complete student information is available in the proctoring book. • Continuous career guidance will be given to students. • Girl students cannot express their grievance to male faculty in such cases female faculty will be assigned. 5. Evidence of Success For a proctor the growth of the student is happiness and success. This process is truly a job satisfaction. The evidence of success for student proctoring system is reflected in overall development of students in the college. Evidence of success include students participated in sports, university ranks, increase in placements, higher education students, Enhanced participation in technical events conducted by National and International organizations Students successfully completed certifications from Swayam-NPTEL Students successfully started startups which turned into industries 6. Problems encountered and Resources The college is situated in the rural area most of the students come from rural background. At starting stage students are not ready to express their feeling queries/ problems to the faculty as they are new to institute The faculty or proctor play vital role in understanding the students.

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\\_2017-18.pdf](http://www.acet.ac.in/acet/All_commitees/Best_2017-18.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

Regular Monitoring System of Students Our college in order to benefit the students and strengthen their capabilities and skills followed a regular monitoring through proctoring system. The proctoring concentrates on the academic performance of the students and their previous academic details with personal information. The four years academic performance of the students and the marks will be registered in the proctoring registers. It is initiated to diagnose the students to analyse their abilities, their weakness and interests. A well planned action is undertaken to monitor the performance of the student continuously. The process starts from the admission of student into college. The faculty of the college and the faculty dealing with the class will be assigned cluster of students to monitor regularly. The proctoring book contains the complete information of students in Mid-examinations, Semester end examinations, performance in the laboratory and regular attendance . Complete information of student is recorded in the proctoring book based the information and performance every week the students are counseled to enhance their knowledge, skills and behavior. The identified slow learners and performance in various subjects were taken utmost care with frequent proctoring and directing them to the faculty concerned for improving academic performance. The parents were informed regularly about the performance of their ward. The proctoring really helped the teacher and student to improve the performance of the students. Security Conscious Campus It is of utmost priority providing safety and security to the students and staff. Our college is much concerned about each and every individual of the institution to be safe and secured. It took an initiative to monitor 24/7 through surveillance and security personal to detect the suspicious events. The campus was made secured by installing the Closed Circuit (CC) cameras around the campus where ever it is required. Taking much

care the CC cameras were fixed at the entrance, corridors, in front of common rooms, administrative office, principal chamber, laboratories, library, parking area, bus ground, counseling hall, Daycare center, Hostels. The securities guards frequently monitor the movement of the students wandering around campus and ensure attend their class work. The Women security guards record the movement of the girl students at hostels and in the college. For the safety and security of the students it is important to carry identity card in order to attend their class work. The login registers were maintained in the laboratory and library to monitor the presence of students and register login and logout timings. The biometric system gives details of attendance of teaching and non-teaching staff. The security provision restricted the misbehavior, sexual assault and other suspicious events made the campus healthy, friendly and Safer place to study work and visit.

Provide the weblink of the institution

<http://www.acet.ac.in/includes/committees/images/ID/ID17-18.pdf>

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

Upgradation of teaching and learning processes in line with present industry requirements. Faculty training programs need to be conducted to prepare them for research grants and funding Training programs on latest technologies need to organized for students in association with APSSDC Encouraging faculty to attend and conduct FDPs so as to facilitate faculty teaching skills with regard to latest developments Company specific and industry oriented training modules for students so as to make students industry ready and employable