Yearly Status Report - 2019-2020

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	**ADB Road, Surampalem, Peddapuram Mandal, E.G. Dist.**
City/Town	**Surampalem**
State/UT	**Andhra Pradesh**
Pincode	**533437**
2. Institutional Status	
Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. RVS 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)	http://acet.ac.in/acet/All_commitees/AQAR%20ACET%202018-19.pdf
4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	[http://acet.ac.in/? p=examination&category=&committeename=Examination%20Committee#tab6](http://acet.ac.in/?p=examination&category=&committeename=Examination%20Committee#tab6)

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	**Period To**
1	**B**	**2.68**	**2016**	**11-Jul-2016**	**10-Jul-2021**

6. Date of Establishment of IQAC	**15-Nov-2015**

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**
Short Time Training program on Effective Teaching organized by NITTTR, Kolkota	**15-Jul-2019 4**	**52**
Awareness program on preparing online AQAR	**22-Jul-2019 1**	**52**
Webinar on Writing Research proposal	**24-Jul-2019 1**	**122**
Inculcating research paper writing and uplifting coding skills in Faculty	**09-Dec-2019 6**	**40**
Impact Lecture Session on Intellectual Property Rights by Institute of Innovation Council	**07-Mar-2020 1**	**54**
Orientation Program on Startup initiation, Research projects and Certifications by Faculty	**16-Mar-2020 6**	**96**
Webinar on Engineering Learning Outcomes (Blooms Taxonomy)	**07-May-2020 1**	**150**
A One day Workshop on Research tools and how to write a research paper	**14-May-2020 1**	**98**

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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
ACET - IIC - ECE Department	Funding support by MHRD for conducting IMPACT Lecture sessions (IPR)	MHRD	2020 2	26000
ACET - Mechanical Department	Grant for Technical activities by Institutional members of IEI (IM000543/8) for conducting National workshop on Hands on experience on Welding Technology	IEI	2019 2	20000

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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?	Yes
If yes, mention the amount	62120
Year	2020

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

Faculty publications in reputed journals and conferences will be awarded with incentives.

All faculty members are advised to create their own digital libraries in the subjects they taught and create blogs on their names.

In order to procure NIRF ranking faculty publications need to be enhanced. Research paper writing workshops are conducted by eminent resource persons to encourage research scholars and research initiatives for making them understand and focus on research paper writing skills.

Inter disciplinary projects in collaboration with other departments are encouraged.

As the institution is allotted with HIBI center, the research ideas that can be transformed into business ideas are encouraged.

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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
Faculty members are encouraged to do certifications	Many faculty have done certifications in HackerRank, NPTEL, Coursera etc.
Technology training and coding practice to students is to be conducted from 3rd year onwards.	Many students have done certifications in HackerRank, NPTEL, Coursera etc.
Campus Recruitment Training	Campus Recruitment Training is given to students before lockdown and during lockdown period online training is conducted.
Online assessment through COCUBES	Secured placements through COCUBES rank with high package.
Encourage students towards Coding challenges	Students participated in Google code jam
Identify students for Campus Ambassador	Students from CSE have selected as Campus Ambassador for Coding Ninjas and Atos Syntel
Students are encouraged to do Online certifications	Many students have undergone special technical training and did certifications through CISCO, Microsoft and CCNA, TCS,VMWARE, IBM, UIPATH, APSSDC, UDEMY etc.
Students are encouraged to participate in online coding competitions.	Many students have participated in Google Week, Google Kick Start, Google Jam, etc
Students are encouraged towards International Fellowships	Students from CSE,ECE,IT are selected to do University Innovation Fellows Program (UIF), Silicon Valley, US.
Project exhibition is to be conducted to exhibit the final year projects	Project expo for all the final year students and for all branches was conducted to disseminate the project oriented knowledge to juniors.

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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body	18-Mar-2020

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	2020
Date of Submission	11-Mar-2020

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Aditya College of Engineering and Technology has designed E Governance Policy, with the primary objective of implementing E Governance in various interactions and services of the Institution. This policy will help in achieving efficiency in all the various operations of the Instructions 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 user friendly 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 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. 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 and Technology (ACET) has well-planned curriculum deliv documentation mechanism. The Institute is affiliated with the Jawaharlal Nehru Techno University Kakinada (JNTUK), Kakinada. The Institute implements the academic calendar meticulously through Continuous Internal Evolution (CIE). The Institute implements v teaching delivery methods and performance assessment items. Teaching methodologies lik and talk, PPTs, tutorials, online classes, communicating with students by electronic proctoring and discussions are followed. The Institute implements CIE through asses items such as short or long answer tests with written explanations, assignments, quiz examinations, laboratory experiments, student projects, field works, seminars, a presentations, etc. Also the Institute enriches the University curriculum by introd value-added courses, certificate courses, skill development programs in the thrust a attain Institute objectives, and also suggestions and advice raised by the stakehol Further, the Institute has Department Academic Committees (DAC) to monitor and con curriculum delivery by conducting their internal meetings and developing academic pl the coming academic year. Keeping in view, the number of working days available, the s is divided according to the teaching plan so that the course delivery is finished in span. Each department of the Institute meticulously follows the academic calendar iss the affiliating University, while implementing the curriculum delivery task. Furthermo teachers are encouraged to utilize instruction delivery before and to impart the curi through innovative teaching methods such as presentations, assignments, discussio workshops, seminars, industrial visits, and other means apart from regular, tradit: teaching methods and preparing course files. The course file contains a lesson pl assignments, tutorials, previous question papers, lecture diary, and lecture notes course file of each course is reviewed by HoD on a continuous basis so that the Depar attaining the "Institute objectives, course outcomes, and stakeholders' requirements there is any gap in these attainments the Institute takes necessary steps to reduce t

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma	Dates of	Duration	Focus on

	Courses	Introduction		employability/entrepreneurship	Dev
Certificate Course on Python for ECE	Nil	25/11/2019	6	Employability	Te
Certificate Course on Digital Signal Processing with MATLAB	Nil	23/12/2019	6	Employability	Te
Certificate Course on Signals and Systems with MATLAB	Nil	20/01/2020	6	Employability	Te
Certificate Course on Robotics	Nil	02/03/2020	10	Empolyability	Te
Certificate Course on PLC Programming applications	Nil	05/08/2019	10	Employability	Te
Certificate course on reinforced cement concrete drilling	Nil	22/07/2019	6	Employability	Te
Certificate course on software testing using selenium	Nil	17/02/2020	6	Employability	Te
Certificate course on Revit	Nil	09/12/2019	10	Employability	Te
Certificate course on Tekla	Nil	09/03/2020	10	Employability	Te
Certificate course on visulization tools in Python	Nil	09/12/2019	6	Employability	Te
Certificate course on RPA (Uipath)	Nil	09/03/2020	10	Employability	Te
Certificate Course on AWS machine learning	Nil	22/07/2019	6	Employability	Te
Certificate course on Power systems analysis on MATLAB	Nil	17/02/2020	6	Employability	Te
Certificate Course on AWS SYS OPS	Nil	22/07/2019	7	Employability	Te
Certificate Course on WEB development using PHP	Nil	05/08/2019	10	Employability	Te
Certificate Course on CCENT	Nil	19/08/2019	6	Employability	Te
Certificate Course on CCNA Routing and Switching: Introduction to Networks	Nil	02/09/2019	5	Employability	Te
Certificate course on Cyber Security Essentials	Nil	07/10/2019	6	Employability	Te
Certificate course on UI Designing	Nil	04/11/2019	5	Employability	Te
Certificate course on Industrial Automation	Nil	09/12/2019	6	Employability	Te
Certificate course on IOT training to ECE	Nil	23/12/2019	10	Employability	Te
Certificate course on Machine Learning using python	Nil	20/01/2020	6	Employability	Te
Certificate course on MEAN Stack	Nil	03/02/2020	7	Employability	Te
Certificate course on RHCSA(Red Hat Certified System Administrator)	Nil	24/02/2020	6	Employability	Te
Certificate course on AUGUMENT REALITY	Nil	05/08/2019	10	Employability	Te
Certificate course on Artificial Intelligence	Nil	25/11/2019	6	Employability	Te
Certificate course on Data Visualisation using R	Nil	17/02/2020	6	Employability	Te
Certificate course on Banking Products Services	Nil	09/12/2019	6	Employability	Te
Certificate course on Devops	Nil	16/12/2019	6	Employability	Te
Certificate course on CATIA	Nil	12/08/2019	10	Employability	Te
Certificate course on Solidworks	Nil	09/09/2019	10	Employability	Te

| Certificate course on Drafting Modelling using AUTOCAD | Nil | 19/08/2019 | 6 | Employability | Te |
| Certificate course on Introduction to Ansys Using CFD | Nil | 17/02/2020 | 6 | Employability | Te |

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introductio
Nill	NIL	Nill

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Co applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Electi System
Mtech	Computer Science and Engineering	16/09/2019
Mtech	Power Electronics	16/09/2019
Mtech	Embedded Systems	16/09/2019
Mtech	CAD/CAM	16/09/2019
Mtech	Thermal Engineering	16/09/2019
Mtech	Structural Engineering	16/09/2019
BTech	Civil Engineering	10/06/2019
MCA	Master of Computer Applications	16/09/2019
MBA	Master of Business Administration	16/09/2019
BTech	Mechanical Engineering	10/06/2019
BTech	Electrical and Electronics Engineering	10/06/2019
BTech	Computer Science and Engineering	10/06/2019
BTech	Information Technology	10/06/2019

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

	Certificate	Diploma Course
Number of Students	1964	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 Enroll
Value added course on SOLVE A THON	16/03/2020	53
Value added course on NDG LINUX ESSENTIALS	17/02/2020	58
Value added course on BUILDING ROBOTS WITH TJBOT	09/09/2019	72
Value added course on Machine Learning	24/02/2020	41
Value added course on 2D GAMING	22/07/2019	45
Value added course on GOOGLE CLOUD PLATFORM FUNDAMENTALS CORE INFRASTRUCTURE	02/12/2019	64

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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 Pro Internships
BTech	CIVIL ENGINEERING	69
BTech	ELECTRICAL & ELECTRONICS ENGINEERING	74
BTech	MECHANICAL ENGINEERING	229

BTech	ELECTRONICS & COMMUNICATION ENGINEERING	242
BTech	COMPUTER SCIENCE & ENGINEERING	125
BTech	INFORMATION TECHNOLOGY	57
MBA	MBA	21
MCA	MCA	14
Mtech	STRUCTURAL ENGINEERING	6
Mtech	POWER ELECTRONICS	2

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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 5

Feedback Obtained

Aditya College of Engineering and Technology understands planning and implementation curriculum system followed by continuous refinement through a well-structured Feedback system. The Departments collects feedback from all directions to its growth in achievi objectives of the institution. Mainly documented feedback (online or offline) taken fr students, faculty, employers, and parents. The student feedback is taken two times in semester. This covers program and course design, curriculum design and implementation, syllabus coverage, faculty performance, various certificate courses (certificate, valu added, Bridge courses, skill development), etc. The faculty feedback is documented in semester, which includes various factors such as program relevance courses, curriculu design, and development, course design, instruction delivery, assessment, and evolutio The employer feedback is documented in each semester the parameters measured are subje knowledge and competence level, course design to narrow the gap between industry and academia, the quest for new learning, job fit, communication skill and attitude, overa rating, aptitude, and behavioral skill. Students can able to link the knowledge they g with real-world situations, level of creativity, interest, and involvement in the prof The Alumni and parent feedback is documented in each academic year. This includes the of knowledge and intellectual enrichment acquired through the course content. Skill-re courses included in the program, Value added courses offered in the Program. Teaching followed by Teachers. Research orientation obtained during the program, Computer/Inter Facility. Library Reprographic Facility Career Guidance and Placement Activities, Clea of campus, Mechanisms available to redress academic grievances. The helpful attitude c administrators, staff, and non-teaching staff to provide suitable campus culture and atmosphere. These feedback measures are used in the thrust areas to attain Institute objectives and also suggestions and advice raised by the stakeholders.

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	Stu En
BTech	CE	120	95	
BTech	EEE	120	100	
BTech	ME	240	165	
BTech	ECE	24	250	
BTech	CSE	120	123	
BTech	IT	60	62	
Mtech	CSE	24	2	
Mtech	PE	18	2	

Mtech	ES	18	1	
Mtech	CAN/CAM	18	1	

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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	Num teachers both UG cou
2019	2955	221	145	18	1

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning reso (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	Numberof smart classrooms	E-resou techniq
185	185	7	61	61	

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 n assigned with a group of 20 students for proctoring. The faculty member who is called as Proctor will monitor the st attendance, performance in the examinations, classroom behavior and so on. Each proctor maintains a register of their students and records their activities. Periodically the proctors will call the parents and inform progress of their ward, a and marks obtained in the class tests, semester end examinations and so on. The proctors also counsel their group stu academics, psychological and career issues. In the beginning of the academic year, Head of the Department allocates th of their department to the proctor in 1:20 ratio. The proctor will meet the students in group and in person. In personal i the proctor collects information about socioeconomic background, education, hobbies and so on. The proctor will encou 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 : Mente
3176	185	1:17

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 facu Ph.
185	28	Nill	28	9

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, Interr 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 Govern recognized bodies
2019	Dr. R.V.S. Lalitha	Professor	Reviewer for Conference ICTIEE 2019 from
2020	Dr. R.V.S. Lalitha	Professor	Resource person for Research paper wri Workshop for Research Scholars and Doctora Aditya Group of Engineering College
2020	Dr. Chaluvadi V Raghavendran	Professor	Resource person for Research paper wri Workshop for Research Scholars and Doctora Aditya Group of Engineering College
2020	Dr. R.V. Vijaya Krishna	Professor	IEEE Senior member
2020	Dr. B. Rajani	Associate Professor	Technical Program Committee Member, IC
2019	KAGANA SARATH ABU	Assistant	NPTEL-Elite

2019	KANDERI SHANTHI	Assistant Professor	Elite-Silver
2019	SUJATHA PALIKA	Assistant Professor	Elite-Silver
2019	TANGUDUPALLI MAHESH KUMAR	Assistant Professor	Elite-gold
2019	PULLELLA SAI SITARAMA PAVAN KUMAR	Assistant Professor	Elite-Silver

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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 ye

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of seme year- end examination
BTech	A01	1/1	29/01/2020	23/06/2020
BTech	A02	1/1	29/01/2020	23/06/2020
BTech	A03	1/1	29/01/2020	23/06/2020
BTech	A04	1/1	29/01/2020	23/06/2020
BTech	A05	1/1	29/01/2020	23/06/2020
BTech	A12	1/1	29/01/2020	23/06/2020
BTech	A01	1/2	26/12/2020	27/02/2021
BTech	A02	1/2	26/12/2020	27/02/2021
BTech	A03	1/2	26/12/2020	27/02/2021
BTech	A04	1/2	26/12/2020	27/02/2021

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

There are various strategies to meet the evaluation methods, we are strictly adheri JNTUK, Kakinada norms and conditions for Continuous Internal Evaluation. There are v time slots allocated to conduct Descriptive and Online Tests for each and every depar Based on the University academic schedule, we are planned in such a way the evaluati completed time to time and submitted through the exam cell. The same has been displa the concerned department notice board and every student may be aware of their ow performance. In addition to that, to enrich student's knowledge, we are conducting th Lectures, Seminars and technical workshops on recent trends. It will help the studer interact with the resource persons from reputed Educational Institutions and Indust Also, the Tech-Fest like "VEDA" increases the student's strength, quiz and design co participation establishes good relationships among the neighborhood Institutions. Mo the students are allowed to engage themselves in social activities like NSS, Swachh the same has been evaluated on their quality of work culture.

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

The Institute planned the calendar systematically and develops necessary plans for ef implementation of the academic calendar every year. In this regard, the Principal cond meetings regularly with the IQAC Coordinator, Heads of Departments and respective coordinators, Tech-Fest committee and Sports committee. It helps to develop various strategies at academic level and for effective implementation of Co-curricular and Ext curricular activities. Finally, the detailed academic calendar is distributed among th of the Departments, Exam cell, students and placed on the College Website. The semeste is well organized and prioritizing academic action plans on the basis of the academic calendar issued by JNTUK, Kakinada. In this, we schedule the date of commencement, co of internal assessments test duration, and last working date also. Besides the use of conventional methods, adapting the effective way of ICT techniques showed an improveme the understanding levels of the slow learners. To meet industry standards many more Va Added courses, Training programs, Workshops, Hack-a-thons, coding competitions and mo activities will be planned and implemented .

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
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	
A01	BTech	CE	66	54	
A02	BTech	EEE	65	40	
A03	BTech	ME	210	149	
A04	BTech	ECE	228	171	
A05	BTech	CSE	115	76	
A12	BTech	IT	51	38	
D55	Mtech	ES	1	1	
D58	Mtech	CSE	2	2	
E00	MBA	MBA	26	25	
F00	MCA	MCA	54	35	

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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) (
details be provided as weblink)

http://acet.ac.in/acet/All_commitees/2019_20_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 year
Any Other (Specify)	2	Ministry of HRD,New Delhi	0.26	0.26
Any Other (Specify)	3	Institute of Engineers(IEI),Kolkata	0.2	0.2

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	
Accountancy for managers	CSE,EEE	12/0
Global opportunities for students	EEE	28/0
Design Thinking and Innovations	ECE	26/0
IMPACT Lecture Session Intellectual Property Rights	ECE	07/0
Entrepreneurship Development	HBS	20/0
Marketing	HBS	21/0
Investment and capital methods	HBS	30/1
HRM	CSE	19/1

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	Ca
Recognized as Host Institute / Business Incubator	Aditya College of Engineering and Technology	MSME	05/01/2020	Incu Ce

| 3.5 Star rating for IIC | Aditya College of Engineering and Technology | IIC, MoEs Innovation Cell, GoI | 22/09/2020 | Inno and in |
| 2020 University Innovation Fellows Silicon Valley Meetup | Aditya College of Engineering and Technology | UIF, USA | 11/01/2020 | Inno pro |

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Da Comm
Aditya College of Engineering and Technology	V Bharath	Self	Trigid Innovations Pvt. Ltd.	Designing	12/0

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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
NIL	Nill

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

Type	Department	Number of Publication	Average Impact Factor (if a
International	ECE	2	0.15
International	CSE	9	0.11
International	IT	6	0.12
International	HBS	6	2.15
International	EEE	5	0.38
International	ME	15	1.05

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Procee Teacher during the year

Department	Number of Publication
ME	2
IT	3
ECE	11
EEE	1

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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 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
Synthesis, structural, dielectric and magnetic properties of	Tulu Wegayehu Mammo, N. Murali, Ch VijayaKumari, S.J.Margarette, A.Ramakrishna,	Physica B: Physics of Condensed Matter	2020	0	Aditya College of Engineering Technology

cobalt ferrite nanomaterial prepared by sol-gel autocombustion technique	RaghavendraVemuri, Y.B.Shankar Rao, K.L.Vijaya Prasad, Y.Rama Krishna, K.Samatha				
Experimental studies on damping behaviour of nickel electroplated A356.2 alloy	NitlaStanley Ebenezer, P.S.V.V.Srihari, Chitturi Ram Prasad	Materials Today:Proceedings	2020	0	Aditya College of Engineering Technology
Exploiting Ensemble Learning for Rainfall Prediction using Meta Regressors and Meta Classifiers	Kovvuri N Bhargavi, G.Jaya Suma	International Journal of Engineering and Advanced Technology	2020	0	Aditya College of Engineering Technology
Investigation of numerical modelling of TIG welding of austenitic stainless steel (304L)	Pramod Kumar, RajeshKumar, AbdulArif, M.Veerababu	Materials Today:Proceedings	2020	0	Aditya College of Engineering Technology
Study of microstructure and mechanical properties of aluminium alloy (AA-6351-T6) using friction stir welding.	Pramod Kumar, RajeshKumar, BideshKumar Hembram, M.Murugan, AbdulArif, M.Veerababu	Materials Today:Proceedings	2020	0	Aditya College of Engineering Technology
Performance and emission characteristics of variable compression ratio CI engine fueled with dual biodiesel blends of Rapeseed and Mahua Fuel	M. Murugan,A.Saravanan, M.Sreenivasa Reddy, SatyajeetParida	Fuel	2020	0	Aditya College of Engineering TechnologyAditya College of Engineering Technology
Chunk Irrigation of Farm Field-Through Wireless Sensing Technique	Shaik Vahida, Rayudu Srinivas, Rama Reddy T, Sheik Shabuddin, B.Durga Anuja	International Journal of Innovative Technology and Exploring Engineering	2020	0	Aditya College of Engineering Technology
Enhancing clinical decision support systems using supervised learning methods	T.Srinvivasulu, S.Srujan, Ch.V.Raghavendran	The International Journal of analytical and experimental modal analysis	2020	0	Aditya College of Engineering Technology
Performance Analysis of	Tirumala Anitha Rajani Boddepalli G	Waffen-und Kostumkunde	2020	0	Aditya College of Engineering

Grid Synchronization Method for Three Phase Three-wire Networks under Grid fault conditions	Seshadri Ch Kamal					Technology
Performance Analysis of Direct-quadrature in Three Phase Induction Motor drive	G.Seshadri, B.Rajani, S. Arul kumar, C. K. Kishore, V.C. Jagan mohan, S. Sivaganesan	Studia Rosen thaliana	2020	0		Aditya College of Engineering Technology

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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	Inst affi men pu
Synthesis, structural, dielectric and magnetic properties of cobalt ferrite nanomaterial prepared by sol-gel autocombustion technique	Tulu Wegayehu Mammo, N. Murali, Ch VijayaKumari, S.J.Margarette, A.Ramakrishna, RaghavendraVemuri, Y.B.Shankar Rao, K.L.Vijaya Prasad, Y.Rama Krishna, K.Samatha	Physica B: Physics of Condensed Matter	2020	113	22	A Col Eng Tec
Experimental studies on damping behaviour of nickel electroplated A356.2 alloy	NitlaStanley Ebenezer, P.S.V.V.Srihari, Chitturi Ram Prasad	Materials Today:Proceedings	2020	47	8	A Col Eng Tec
Exploiting Ensemble Learning for Rainfall Prediction using Meta Regressors and Meta Classifiers	Kovvuri N Bhargavi, G.Jaya Suma	International Journal of Engineering and Advanced Technology	2020	18	Nill	A Col Eng Tec
Investigation of numerical modelling of TIG welding of austenitic stainless steel (304L)	Pramod Kumar, RajeshKumar, AbdulArif, M.Veerababu	Materials Today:Proceedings	2020	47	9	A Col Eng Tec
Study of microstructure and mechanical properties of aluminium alloy (AA-6351-T6) using friction stir welding.	Pramod Kumar, RajeshKumar, BideshKumar Hembram, M.Murugan, AbdulArif, M.Veerababu	Materials Today:Proceedings	2020	47	4	A Col Eng Tec
Performance and emission	M. Murugan,A.Saravanan, M.Sreenivasa Reddy,	Fuel	2020	213	66	A Col

characteristics of variable compression ratio CI engine fueled with dual biodiesel blends of Rapeseed and Mahua Fuel	SatyajeetParida					Eng: Tec
Chunk Irrigation of Farm Field-Through Wireless Sensing Technique	Shaik Vahida, Rayudu Srinivas, Rama Reddy T, Sheik Shabuddin, B.Durga Anuja	International Journal of Innovative Technology and Exploring Engineering	2020	40	Nill	A Col Eng: Tec
Enhancing clinical decision support systems using supervised learning methods	T.Srinvivasulu, S.Srujan, Ch.V.Raghavendran	The International Journal of analytical and experimental modal analysis	2020	Nill	Nill	A Col Eng: Tec
Performance Analysis of Grid Synchronization Method for Three Phase Three-wire Networks under Grid fault conditions	Tirumala Anitha Rajani Boddepalli G Seshadri Ch Kamal	Waffen-und Kostumkunde	2020	2	2	A Col Eng: Tec
Performance Analysis of Direct-quadrature in Three Phase Induction Motor drive	G.Seshadri, B.Rajani, S. Arul kumar, C. K. Kishore, V.C. Jagan mohan, S. Sivaganesan	Studia Rosen thaliana	2020	6	Nill	A Col Eng: Tec

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State
Attended/Seminars/Workshops	Nill	25	11
Presented papers	39	4	Nill
Resource persons	Nill	Nill	Nill

No file uploaded.

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Go 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 st participated activiti
BLOOD DONATION CAMP	SIDDHARTHA BLOOD BANK	9	189
PLANTATION OF SAPLINGS AT AANURU PANCHAYAT	AANURU PANCHAYAT	2	35
ESSAY WRITING ON NATIONAL UNITY FOR ADITYA DEGREE COLLEGE	ADITYA DEGREE COLLEGE	3	124
ESSAY WRITING AND QUIZ ON PEACE AND DEVELOPMENT FOR PHARMACY STUDENTS	ADITYA COLLEGE OF PHARMACY	3	137
BLOOD DONATION CAMP	GGH KAKINADA	12	323
7 DAY CAMP AT ANURU VILLAGE	AANURU PRIMAY SCHOOL	9	297
ENERY DRINKS AND FOOD DISTRIBUTION	ZEAL FOUNDATON	2	123

TO FRONT WARRIORS			
DISTRIBUTION OF GROCERY KITS TO NEEDY	LOVE TO SERVE FOUNDATION	2	109
DENTAL CAMP	LAKSHMI SAI DENTAL CARE KAKINADA	2	181

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the

Name of the activity	Award/Recognition	Awarding Bodies	Number of Benef
BLOOD DONATION CAMP	APPRECIATION	GGH KAKINADA	32:
ENERY DRINKS AND FOOD DISTRIBUTION TO FRONT WARRIORS	KIND HANDS	ZEAL FOUNDATION	12:
DISTRIBUTION OF GROCERY KITS TO NEEDY	KIND HEARTS	LOVE TO SERVE FOUNDATION	10!

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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 activites	Num studi partici such a
NATIONAL AIDS CONTROL PROGRAMME (NACP)	PEDDAPURAM PANCHAYAT	AWARENESS RALLY ON AIDS DAY AT PEDDAPURAM	3	2
Debate on "Fight on abuse	Aditya College of Engineering and Technology	Debate on "Fight on abuse	2	!
Awareness program on Crimes against Women	Aditya College of Engineering and Technology	Awareness program on Crimes against Women	2	(
SAMATVA-Debate on "How effective are Feminist movement"	Aditya College of Engineering and Technology	SAMATVA-Debate on "How effective are Feminist movement"	1	2

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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	Du
NIL	NIL	NIL	

No file uploaded.

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research faciliti 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	
Internship	Training	Keka Technovert	04/05/2019	08/06/2019	
Industrial Visit	Learner	Ultra techRMC vijayawada	15/02/2020	15/02/2020	
Industrial Visit	Learner	Dr. Narla Tatarao Thermal Power Station	26/08/2019	26/08/2019	
Industrial Visit	Learner	All India Radio, Visakhapatnam	02/03/2020	02/03/2020	
Industrial	Learner	All India Radio, Visakhapatnam	29/02/2020	29/02/2020	

		Visit		
Industrial Visit	Learner	Doordarshan HPT, Visakhapatnam	26/02/2020	26/02/2020
Industrial Visit	Learner	All India Radio, Visakhapatnam	13/02/2020	13/02/2020
Internship	Training	HEXAWARE TECHNOLOGIES LTD	12/11/2019	12/06/2020

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate house during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/ participated unde
APPSSDC	17/04/2018	SKILL DEVELOPMENT AND CERTIFICATION PROGRAMS	439
TCS	01/08/2017	ONLINE EXAMINATIONS	1400
DIZITIVEIT SOLUTIONS	19/08/2016	SKILL DEVELOPMENT, INTERNSHIPS AND GUEST LECTURES	146
EDGATE TECHNOLOGIES	17/10/2015	LAB ESTABLISHMENT	62
UiPATH ACADEMIC ALLIANCE	27/07/2019	SKILL DEVELOPMENT AND CERTIFICATION PROGRAMS	112
REVANTH SOFTWARE SOLUTIONS PVT. LTD	30/07/2019	SKILL DEVELOPMENT, INTERNSHIPS AND GUEST LECTURES	65
AUGMENTIK SOFTWARE PVT. LTD	10/08/2019	SKILL DEVELOPMENT, INTERNSHIPS AND GUEST LECTURES	132
CENTRE OF EXCELLENCE IN MARITIME AND SHIP BUILDING	28/02/2020	SKILL DEVELOPMENT, INTERNSHIPS AND GUEST LECTURES	Nill

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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 developm
150	147.1

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing Add
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly
Value of the equipment purchased during the year (rs. in lakhs)	Newly
Seminar halls with ICT facilities	Exis
Classrooms with Wi-Fi OR LAN	Exis
Classrooms with LCD facilities	Exis
Seminar Halls	Exis
Laboratories	Newly
Class rooms	Exis

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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 auto

| ECAP | Fully | 3.0 | 2017 |

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	45617	15400000	928	318621	46545	157
Reference Books	5675	2431260	209	94050	5884	252
e-Books	Nill	Nill	1443	1693607	1443	16ℂ
Journals	Nill	Nill	50	112800	50	11
e-Journals	Nill	Nill	2	98002	2	98
CD & Video	1291	Nill	31	Nill	1322	N
Digital Database	Nill	Nill	1	13500	1	13

View File

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWA 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
Dr. RV Vijaya Krishna	Sensors and Actuators	NPTEL	17/10/2020

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidt (MBPS/GBPS)
Existing	759	560	23	30	80	7	59	100
Added	12	0	0	0	0	0	12	0
Total	771	560	23	30	80	7	71	100

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
NIL	Nill

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurre maintenance of physical
80	75.42	115	110.43

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

The institute maintains a typical operating procedure for the individual personnel's functioning of the infrastructure policies i.e. structural maintenance, transportat furniture and backup generators during power shortages. Individual maintenance, grie registers i.e. electrical, sanitation, plumbing, housekeeping are maintained thoroughl facilitate smooth functioning of the institution. Any kind of malfunctioning arising the above mentioned sections are timely reported to the higher authorities for pro fixture. Office Superintendent chairs because the head of the maintenance section thoroughly examines all the concerned sections where individual supervisors are appoin every sector. The supervisor effectively coordinates the workforce, promptly mainta records of people , floor wise data, files associated with leaves, timings etc. t maintenance head periodically checks for enabling smooth and effective functioning o related sections. Several in house staff monitors regularly for ensuring strict hyg discipline sanitation all-round the campus for providing an amiable learning environ Classrooms, seminar halls, laboratories and staff rooms are periodically maintained k

house keeping department. Each floor is supplied with multiple trashcans. Professio
gardeners are employed for enabling greenery all around the campus. Annual maintena
contracts are made for all the departments i.e. Water purifiers, CCTV cameras, Elevato
Conditioners for ensuring and Generators for optimal and smooth functioning of the ind
components. Additionally to the contract based workers several in house trained techni
electricians and carpenters render their exceptional contribution to the institution
from contract workers, the college has trained in - house electricians and plumbers
assistants under the supervision of the system administrator maintain the efficiency
college computers and accessories. Parking facility is well organized. It's efficie
maintained by security under the control of security officer. The campus maintenance
monitored through surveillance cameras. Proper inspection is completed and verificat:
stock takes place at the top of every year. Periodic reporting on requirements of repa
maintenance are submitted by the HoDs to the administrative office. The wants ar
collectively processed in every semester break so on keep things ready for the new se
Pest control of library books and records is completed per annum by the maintenan
department also because the general campus. Estate office manager and his team are i
within the maintenance of infrastructure facilities. This team takes care of the re
maintenance of civil works like furniture repairs, masonry and plaster works, Paint
carpentry, plumbing and house-keeping. The non-teaching staff also are trained in main
of laboratory and computer equipment. The Housekeeping office workers take care of
maintenance of rest rooms, approach roads and neatness of the whole premises. Houseke
services are regularly supervised.

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
Financial Support from institution	Merit Scholarship	1080	255
Financial Support from Other Sources			
a) National	Jagananna Vidya Deevena	2210	1206
b)International	NIL	Nill	

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, 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
ICT/Computing skills-Short term training program on coding skills	10/02/2020	168	Mr. R Sudhir Techinal Surampalem 9951722:
Language and communication skills-Two week STTP on Lets learn Spanish and Hindi	03/02/2020	60	Mr. Saiba Nyampa,6305: ACOE, Surampalem M; Ramya,8297635920 JN: Kakinada
ICT/Computing skills-AWS cloud computing training	06/01/2020	154	Mr. Md. Shaifu Zama Te HUB, Surampalem 77299
Life skills-Manavatha-First aid techniques	09/12/2019	131	Dr.Ch S Raju 984829: Ratnaraju Hospital Sa:
Life skills-AYUSH-Health and Hygiene	16/11/2019	140	Dr.Ch S Raju 984829: Ratnaraju Hospital Sa:
ICT/Computing skills-Python Programming	14/10/2019	153	Mr. R Sudhir Techinal Surampalem 9951722:
Language and communication skills- A one day programme on English communication-Employability skills	15/07/2019	70	Ms. S Sailaja GIET Raja 9963394773
Soft skills-Training on APTLOGIC	08/07/2019	175	Mr. K Bharath Kumar Te HUB, Surampalem 93464

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution du
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 passedin the comp. exam
2019	Awareness Program on Common Aptitude Test(CAT)	149	Nill	7
2020	Awareness Program on Graduate Aptitude Test in Engineering (GATE)	179	Nill	10
2019	Awareness Program on GRE and TOFEL	228	Nill	Nill
2019	Orientation session on Career Planning for Engineering Graduates	Nill	376	Nill
2019	Development of career strategies and management	Nill	395	Nill
2019	Orientation session on "Andhra Pradesh Public Service Commission (APPSC) exams	50	Nill	21

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment
ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance red
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Num stduen
Hyundai Steel	149	10	Thomson Reuters	517	

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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	Depratment graduated from	Name of institution joined	Nar prog admi
2020	1	B.Tech	Civil	University of Cassino & Southern Lazio, Italy	
2020	1	B.Tech	Civil	NICMAR PUNE	M.
2020	1	B.Tech	ECE	NIT PATNA	M.
2020	1	B.Tech	EEE	Lenora College of Engineering Rampachodavaram	M.
2020	1	B.Tech	EEE	Lenora College of Engineering Rampachodavaram	M.
2020	1	B.Tech	EEE	SP Mandalis Prim L.N Welingkar institute, pune	M
2020	1	B.Tech	ECE	NIT, Tadepalli gudem	M.

2020	1	B.Tech	Mech	IRA A.Fulton school Engineering, USA	
2020	1	B.Tech	Mech	Indiana university Bloomington, USA	
2020	1	B.Tech	Civil	Rajeev Gandhi College Rajahmundry	M

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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
CAT	1
Any Other	35

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Particip
Instrumental	National level	250
Standup comedy	National level	105
Paint	National level	30
Elocution	National level	50
Skit	National level	80
Street Play	National level	130
Fashion Show	National level	80
Singing	National level	100
Dance	National level	200
Republic Day Sports Games 2020	National level	141

View File

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international leve 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	Nar s
2019	KLEF SPORTS FEST 4x100 METERS FIRST Place	National	1	Nill	18P35A0352	M KI
2019	KLEF SPORTS FEST LONG JUMP SECOND Place	National	1	Nill	18P35A0352	M KI
2019	Best physique (Gold medal)	National	1	Nill	16P31A0135	PR
2019	Classical dance(shield)	National	Nill	1	18P31A0478	K.
2019	Singing(shield)	National	Nill	1	17P31A04H0	T.M
2019	Weight lifting(Bronze medalist)	National	1	Nill	17P31A0411	D PETI
2019	100 METERS SECOND Place	National	1	Nill	18P35A0352	M KI
2019	200 METERS SECOND Place	National	1	Nill	18P35A0352	M KI
2019	Tripple jump third place	National	1	Nill	18P35A0352	M KI
2019	KLEF SPORTS FEST 100 METERS FIRST Place	National	1	Nill	18P35A0352	M KI

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the (maximum 500 words)

> The Students of Aditya College of Engineering and Technology are enlightened to str
> believe in enhancing leadership skills and teamwork. Hence the students are encourage
> representatives in various forums that are empowered to take decisions and plan event
> the departments have a student committee of various associations and social clubs.
> consultation with the principal, the head of the departments, faculty, and students
> respective departments choose the main committee coordinators. Students Council: Stu
> council could be a body that represents students of all departments and is coordinated
> senior faculty members. The principal discusses the educational issues with the cou
> members twice a semester and recommends corrective actions to support the suggestion
> feedback. Clubs and Associations: Students are adequately empowered through the variou
> and associations within the Institution. These clubs were active under the coordinat
> senior faculty. Active clubs and associations are Eco club, Community club, Health
> Language club, ICC, Alumni association. Eco club: Eco Club has been working tireless
> feature its contribution to boosting the challenging environmental conditions. T
> coordinators and club members have undertaken various environmentally-friendly activ
> like awareness of the damage caused by plastic usage and the distribution of tree sap
> Community club: The community club focuses on improving harmony among students of as
> Indian cultures. Academic Committee, Anti-Ragging Committee, Canteen Committee, Ca
> Counselling Committee, Cultural Committee, Ethics Committee, E-Resources Committee,
> Committee, Internal Complaints Committee (ICC), Library Committee, Publication Commi
> Purchase Committee, Sports Committee, Transport Committee, Website Committee is funct
> in the Institution. It nurtures the students towards their career improvement, pers
> development, and well-being and conducts an awareness program on literacy. Language
> This club focuses on speaking events, debating, extempore speaking, elocution, and ja
> Faculty and students from various states take initiation to show their language to u
> ones under this club. Health Club: The club is determined to form awareness regarding
> conducting awareness camps on the importance of food and nutrition, especially in r
> areas, collecting blood sampling to see the blood type of every student for future
> donation requirement database. ICC: ICC has been constituted to empower and safeguar
> rights of female faculty and students. ICC works to push gender sensitivity within
> college and conduct diverse programs to teach, sensitize both male and feminine membe
> produce a harmonious atmosphere on the campus. It works for the welfare of the fem
> students towards preparing them into competent professionals to require up more signi
> challenges within the academic sphere. Alumni Association: Discusses the career opport
> in the real-world competition. The committee will arrange programs on Women's Day and
> times, as needed. Student grievance redressal: Grievances of students about academic
> personal grievances within campus and hostel is also addressed to move of the depart

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

634

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

> One Alumni Meet Conducted and organized three interactive sessions with the studen

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 word

> • The administrative structure at Aditya College of Engineering and Technology (A
> includes the Governing mechanism with inculcating various practices for decentralizat
> participative management headed by Chairman, Vice-Chairman, Principal, Deans, Head
> departments, Committee Coordinators, Staff in-charges, Lab in-charges, System Administ
> Student Proctors and Class Representatives to promote quality improvement in all fiel
> excellence. In execution, almost in all functions, the administrative setup functions

decentralized decision making at all levels. Next level the Principal is the Head o Institution and he efficiently proceeds and ensures the smooth conduction of al administrative and academic activities. • The Principal periodically convenes meeting the department Heads, faculty members. The management ensured decentralization by cr Deans to help the Head of the institution in day-to-day activities at the top of a mul system of administration with HoDs, lab in-charges etc., down the ladder on the aca front. • Along with Principals, the HODs and faculty are encouraged to give suggestio help in the growth of the Institution. • Faculty members are made part of decision r process at all levels. They are given a chance to present their views and suggestio making them as members of various committees in college like Career Counseling ce Entrepreneurship Development cell, Grievance Redressal cell, etc. • There is freedom faculty members to express their thoughts and freedom to do various research rela activities. • In addition, the institution has constituted several committees with fac in-charge of those committees to groom leadership at the faculty level. The institut: various committees which are headed by various senior faculty members and every fac member are at least a part of one or more committees.

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

<div align="center">Yes</div>

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	• In view of the latest development and future needs the Library is equipped in terms of the number of Books, CDs, Project Reports Onl journals. • The college has central as well as departmental library to key resources to augment the teaching-learning process. • Library func week Days from 8.00 A.M. to 6.00 P.M. • The reading room with a capac 200 students is available. • Exclusive reference section is also avai The Institute has adequate number of ventilated classrooms, Laborato Smart Classrooms, Common rooms, Seminar halls, Conference hall, Compute Research Centers, HOD cabins, Staff cabins and Rest rooms.
Research and Development	• CSE and MECH departments are recognized as Research Centers by the Kakinada. • Faculty members are encouraged to undertake research activ: providing incentives to attend Conferences. • Faculty members are rev with cash incentives for publishing papers in reputed Journals, Books Chapters, Filing Patents, Research Grants and Consultancy works
Examination and Evaluation	• College follows the continuous evaluation as per the guidelines given JNTUK, Kakinada. The weightage has been given for the MID 1 2 assessme end semester examinations. • MID exam question papers are prepared ba Course Outcomes (COs) and Blooms Taxonomy Levels to access the diffe learning levels of students. • Evaluation is done by course handled fa The corrected answer scripts are distributed to the students within working days after the exam and answers are discussed with students : class room. • The evaluation of semester end examination papers is car: by the University.
Teaching and Learning	• The teaching Learning process is periodically reviewed through HoDs with the Principal, Faculty Meeting with HoD and also through the fee from the stakeholders. • The institution adopts latest technologies facilities for effective teaching. • Each department is outfitted wi enabled class rooms in order to make teaching more flexible. • MOODLE is established for Learning Management System (LMS) Learning resourc NPTEL Videos/ PDFs are available to the students Usage of innova teaching methodologies Student counseling Pass percentage Student : Project guidance Project based learning through value added cl (Robotics club, automobile club, entrepreneurship club etc) Guidan Career-orientation Remedial and bridge courses Pre-placement trai Initiative to arrange more campus placement drives qualitatively quantitatively Motivation towards Research for staff and student Assistance to students to get admission for Higher Education. Cond Skill Development training programs (APSSDC) Periodical evaluatio results and counseling the students as well as faculty Conducting classes for the slow learners Learning and upgrading knowledge th: certification courses conducted by the in-house training session:
Curriculum Development	• The syllabus is prescribed by affiliating University JNTUK, Kakinada is no freedom to change the syllabus as an affiliating College, but

	students have the freedom of choosing elective subjects from the li courses prescribed by the University. However, the curriculum gaps identified by the academic committee and required new topics are deliv conducting Certificate Courses, Guest Lectures, Seminars and Worksh
Industry Interaction / Collaboration	• The institute has signed MoUs with various industries and organizat: Faculty and students are encouraged to go for study tour to visit the industries for better exposure through close interaction with indu: experts. • Many Guest Lectures are conducted for the students by inv eminent corporate personalities to enhance student knowledge and to g industry exposure. • For improving the technical skills of students Institute organizes workshops and hands on training programs on adva technologies.
Admission of Students	Admissions are made in two ways – Convenor Quota, Management Quota i ratio of 70:30. Convenor quota students are admitted into both Under G and Post Graduate programs through a common entrance conducted by the Government (EAMCET, ECET, PGCET, ICET). Management quota seats are fi: inviting applications from the deserving candidates and filled on the l merit and reservation.
Human Resource Management	The Institute follows the guidelines of AICTE and JNTUK for recruitin teaching and non teaching faculty. The institution has a mechanism notification in leading news papers and faculty plus of regular post conducting interviews. The Institution provides service benefits l Employees Provident Fund (EPF), Group Insurance Policies, and incentiv attending Faculty Development Programmes, seminars, workshops to enhar Teaching Learning process and upgrade their skills by learning the l technology.

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

E-governace area	Details
Student Admission and Support	ECAP software is used for conveying information to students and parent day one of admission. Student attendance, marks obtained in the sessio: semester end examinations are posted in the ECAP.
Examination	The Institute is having a separate Examination cell which monitors l internal and external examinations. The examination cell is responsib: arranging the seating plan, allotting invigilators, collecting materia the University and submitting the answer scripts back to the Universit Cell is fully equipped with computers, reprographic facilities and In connection. The examination cell posts the internal marks, attendance University portal.
Planning and Development	• The Principal recommends the budget of the departments and conducts meeting on budget utilization of the previous year. • The Institute Department calendars are prepared by considering the academic / co-curr: extracurricular activities for the forthcoming semester/academic year. meeting with IQAC and Head of the Departments, the Principal approve: Institution and Department academic calendar. • The Principal along wi and HODs conducts a meeting to discuss on feedback analysis report stakeholders and suggests corrective measures towards improvement of Institution.
Administration	ECAP software tool is used for all the administrative purposes to mai record of employees and students.
Finance and Accounts	Students are allowed to pay tuition fee, examination fee, view payment through ECAP online software.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of profe
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
2020	Dr.Vemuri Raghavendra	ICAPEC-2020,27-28 February 2020,C.R.Reddy College, Eluru	Nill
2020	Mr.R. Anil Kumar	FDP on IPR Technology Transfer(6-7 Feb 2020),MLRIT, Hyderabad, Telangana	Nill

2020	Mr.Satya Surya Prakash Vinnakota	FDP on Pre- Incubations Incubation Management (6-7 Feb 2020),MLRIT, Hyderabad, Telangana	Nill
2019	Dr. Regella Venkata Satya Lalitha	FDP on Entrepreneurship Development Program (6-7 Feb 2020),MLRIT, Hyderabad, Telangana	Nill
2019	Dr.Tirumala Sampath Karthik	FDP on Design thinking innovation (6-7 Feb 2020),MLRIT, Hyderabad, Telangana	Nill
2019	Dr.Pramod Kumar	ICPCM-2019,12-14 Dec 2019,NIT,Rourkela	Nill
2019	Dr. Nakka Rajeswara Rao	APSC-2019, 28-30 Nov 2019,Dr.B.R.Ambedkar University, Srikakulam	Nill
2019	Dr.Vemuri Raghavendra	APSC-2019, 28-30 Nov 2019,Dr.B.R.Ambedkar University, Srikakulam	Nill
2019	Mr.Pandiri Jaikishan	Workshop on IMPACT WeeK 2019,Sep 18-26 2019,NEWDELHI	Nill
2019	Mrs.D.Sravani	RACPCL-2019 ,13-15 July 2019, AU, Visakhapatnam	Nill

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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching 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)	N pa
2020	Workshop on Solar powered Electric Vehicle Design using Matlab/Simulink	Nill	11/03/2020	12/03/2020	27	
2020	Workshop on Signal Analysis on Transform techniques	Nill	02/03/2020	03/03/2020	51	
2020	Seminar on Energy management in industries	Nill	17/02/2020	17/02/2020	53	
2020	Faculty Development Programme on Security issues Challenges of Internet of Things (IoT)	Nill	10/02/2020	15/02/2020	45	
2020	Seminar on Tools for Scientific Communication and Effective Teaching	Nill	05/02/2020	05/02/2020	17	
2020	Nill	A Three Days Workshop on Training on Auto CAD tools	30/01/2020	01/02/2020	Nill	
2020	Seminar on Next generation Techniques in wireless communication	Nill	08/01/2020	08/01/2020	51	
2020	Seminar on Deep Learning and its Applications	Nill	03/01/2020	03/01/2020	47	
2019	Workshop on Image processing pattern recognition	Nill	27/12/2019	28/12/2019	49	
2019	Seminar on Strucural Audit For Structural Safety	Nill	13/12/2019	Nill	27	

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date

DESIGN FOR MANUFACTURING AND ASSEMBLY	1	21/05/2020	23/05/2020
LABORATORY SAFETY MANAGEMENT	1	23/09/2019	27/09/2019
PRATICAL ASPECTS OF FINITE ANALYSIS USING ABAQUS	1	18/04/2020	24/04/2020
FACULTY DEVELOPMENT PROGRAMME ONLINE ON SCILAB	1	27/04/2020	02/05/2020
FDP-STUDENT INDUCTION (AICTE) COIMBATORE	2	17/06/2019	23/06/2019
CONTROL AND AUTOMATION	9	18/11/2019	22/11/2019
ROLE OF TEACHERS IN QUALITYENHANCEMENT AND ACCREDITATION	1	11/05/2020	18/05/2020
ARDUINO ROBOTICS	3	27/10/2019	01/11/2019
RECENT ADVANCES IN HIGH VOLTAGE ENGINERING AND ITS APPLICATIONS	1	30/12/2019	11/01/2020
RECENT RESEARCH TRENDS IN SIGNAL PROCESSING	2	15/10/2019	19/10/2019

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	185	Nill	248

6.3.5 – Welfare schemes for

Teaching	Non-teaching	S
EPF, Group Insurance, Subsidized Lunch Facility, Free Transport	ESI, EPF, Subsidized Lunch, Free Transport, Accident insurance policy for drivers	Scho

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 comp The Institutional accounts are regularly audited. The observation of the auditors if immediately corrected / rectified. Internal Audit: The internal audit is an ongo continuous process. Qualified Internal Auditors from external resources have been perm appointed and a team of staff under them do a thorough quarterly basis check and veri: of all payments, receipts journals vouchers of the transactions cash books, ledger a review that are carried out in each financial year on an accrual basis system. Exte Audit: The external auditor appointed by the college performs audit of the financ statements of the college. The financial records are audited by qualified charter accountants after the end of each fiscal year is certified income expenditures, balan and prepared notes to accounts are certified.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(n in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.
Nil	0

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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, Kakinada	Yes	HoDs, Professors, Associate Pro
Administrative	Yes	Through Charted Accountant	Yes	Senior Administrative Offic

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 Program Department wise Parents meetings are conducted to discuss the academic performance o

students/wards., Students proctoring system. 3. Parents from industrial background
students in project, in plant training and industrial visit. 4. Feedback is received
parents regarding infrastructure and institutional development.

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

1. All the supporting staff members are trained about different office automation so:
2. The technical supporting staff members are motivated to go for higher studies to u
their knowledge and qualification. 3. Stress management program is conducted to enhar
mental strength of the staff.

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

1. Trying to implement all the suggestions given by the peer team, 2. Activity based :
and Learning Methods, Project Exhibition 3. MOOCs and NPTEL certification course for
faculty and students is made mandatory. 4. APSSDC Training for students are condu
regularly on emerging technologies. 5. Training and placement activities are enhanc
arranging various training Courses like aptitude and soft skills.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	
b)Participation in NIRF	
c)ISO certification	
d)NBA or any other quality audit	

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	N pa
2019	Short Time Training program on Effective Teaching organized by NITTTR, Kolkota	10/06/2019	15/07/2019	19/07/2019	
2019	Awareness program on preparing online AQAR	10/06/2019	22/07/2019	22/07/2019	
2019	Webinar on Writing Research proposal	10/06/2019	24/07/2019	24/07/2019	
2019	Inculcating research paper writing and uplifting coding skills in Faculty	10/06/2019	09/12/2019	14/12/2019	
2020	Impact Lecture Session on Intellectual Property Rights by Institute of Innovation Council	05/02/2020	07/03/2020	07/03/2020	
2020	Orientation Program on Startup initiation, Research projects and Certifications by Faculty	05/02/2020	16/03/2020	21/03/2020	
2020	Webinar on Engineering Learning Outcomes (Blooms Taxonomy)	05/02/2020	07/05/2020	07/05/2020	
2020	A One day Workshop on Research tools and how to write a research paper	05/02/2020	14/05/2020	14/05/2020	

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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	N Pa
			Fer
SADANA - Guest lecture on leadership skills and building confidence in believing themselves	14/10/2019	14/10/2019	5
Awareness program on PoSH-The What, Why How	19/10/2019	19/10/2019	3
SAMATVA - Debate on How effective are feminist movement	10/12/2019	10/12/2021	2
Debate on Fight on Abuse	21/06/2019	21/06/2019	2
JAGRUTHI - Quiz Program on women in science	09/07/2019	09/07/2019	2
Awarness program on mental health and emotional balance	06/08/2019	14/03/2020	3

| Awareness on crime against women | 14/08/2019 | 14/08/2019 | 3 |

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 institution has installed solar panels with a total capacity of 500 KW on the roo
The installed solar panels are the main sources of renewable energy in the campus.
power generated from the solar panels during June 2019 to May 2020 is 533679 units
institution consumed around 60 percent of the energy produced by the solar panels. 40
of the energy produced is directed to the state electricity grid.

7.1.3 – Differently abled (Divyangjan) friendliness

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

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	N pa stu
2020	1	1	26/05/2020	1	Distribution of grocery to Needy	Pandemic help	
2020	1	1	17/04/2020	1	Energy drink and food distribution to Frontline Warriors	Pandemic service	
2020	1	1	03/03/2020	7	7 Day camp at Anuru Village	Social Responsibility	
2020	1	1	28/01/2020	1	Blood donation camp	Social service	
2019	1	1	30/11/2019	1	Awareness Rally on AIDS at Peddapuram	Social Awareness	
2019	1	1	31/10/2019	1	Essay Writing on National unity Day for Aditya Degree College	Social Awareness	
2019	1	1	09/09/2019	1	Plantation of Saplings at Anuru Village	Harithavanam	
2019	1	1	21/08/2019	1	Blood Donation Camp	Donate blood and save life	
2019	1	1	30/07/2019	1	Essay writing and quiz competition on role of science on human development for Pharmacy students	Science and human development	
2019	1	1	15/07/2019	1	Dental Camp	Health and Hygiene	

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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	It is mandatory for the students of the college to adhere rules - The code of conduct – framed by the institution men the responsibilities of the students in the personal and ac matters. It is a reflection of ethical values to be absorbed students.
A handbook on code of conduct for teaching and Non-teaching staff	01/06/2016	A list of guidelines was framed as code of conduct compile the norms followed by AICTE, JNTUK, Women Rights, and funda Rights. The guidelines provide institutional values and prir they were set as a benchmark rules for the wellbeing of Institution, Teaching and Non-Teaching fraternity.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Num partic
Orientation for faculty: How to be the best teacher	07/09/2019	07/09/2019	(
Orientation for Non-Teaching: Proper Interaction skills	14/09/2019	14/09/2019	:
Orientation for I B.Tech students: How to survive in the society	07/10/2019	07/10/2019	3
Womens Day	08/03/2020	08/03/2020	1
Heritage Day	20/03/2020	20/03/2020	:
Teachers Day	05/09/2019	05/09/2019	2
Dusserah	08/10/2019	08/10/2019	1
International Girl Child Day	11/10/2019	11/10/2019	1
Rashtriya Ekta Diwas	01/11/2019	01/11/2019	1
International students day	17/11/2019	17/11/2019	3

[View File](#)

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

Generating power from solar panels a renewable source that are installed on roofto building

The waste water is supplied to plants and water recharging points through constructi water channels

Water pits were built for conservation of Water Water sprinklers are used to save wa water the plants.

Solid waste and E- Waste was sold to the scrap industry that recycles the waste wit polluting the environment.

Vermicomposting was produced with the food collected from the canteen and the withered in the campus to use as manure for the plants in the ambiance.

Conducted programs to create awareness on environmental protection Plantation progr Z.P.P. High school Nayakampalli. Solar plant demonstration located at campus to crea awareness about usage of solar energy among the students Program on soil pollution cor create awareness on soil protection among students.

7.2 - Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice I 1. Title Encouraging faculty to enhance knowledge through SWAYAM-NF online courses 2. Objectives The institute main goal is to increase the number of fac enrolling online courses. The faculty will get full registration fee on competition course. NPTEL collaborates with industry to create courses that will assist everyor gaining relevant knowledge and developing relevant skills in their field. • To enco faculty to enhance advance technological knowledge through NPTEL/online courses. • To life skills, develop the personality and communication skills. • To facilitate incorp of reading materials and videos to balance classroom teaching. • To educate and r: awareness among the faculty. 3. The context In the present scenario, there is a dire well qualified and skilled employees to perform the tasks. There is a need to enhanc subject knowledge of faculty to deliver the content effectively to students. The fa members had the choice to select the course of their own interest, either related to

course or in new domain. NPTEL offers open online courses along with certification in
engineering disciplines, sciences, humanities, management and research which prov
appropriate experience to tools and technologies. This ease flexibility for the facu
prioritize the time and work at one's own pace. AICTE recognizes advanced level NPTEL
as FDPs for engineering colleges due to inadequate opportunities available for facul
attend face-to-face fulltime training programs. 4. The practice Swayam-NPTEL local c
started in the year 2015.The faculty members and the students are encouraged to do c
courses. NPTEL collaborates with industry to create courses that will assist everyo
gaining relevant knowledge and developing relevant skills in their field Because the
such a large gap between education pattern and industry requirements. Successful facu
course certification certificate. Based on merit faculty receive Elite, Silver, Gol
Elite Gold EliteGold2which increases the passion of the faculties to join up for next
that helps the growth of the college. One faculty member is nominated as NPTEL cou
coordinator. All information regarding new courses and registration will be maintaine
coordinator. 5. Evidence of Success The number of faculty registration and course com
is increasing year by year.Table1 gives information regarding the academic year wit
faculties completed and registered the courses 6. Problems Encountered and resources
NPTEL courses are offered from July to October and January to April every year and ac
year starts from June to December and January to April. • Faculty will face hectic wo
because NPTEL and academic calendar starts at a time. Our faculty had delivered good a
results and NPTEL results also. Best Practice 2 1. Title Go Green 2. Objectives •
plantation. • Use of renewable energy • Maintaining biodiversity • Energy optimizati
enhancing energy utilization. • Creating awareness to students on environment. • Ca
neutrality and reducing fossil fuels that affect environment. • To involve student
safeguarding the environment. 3. The Context ACET College campus extends as a lush gr
extensive oxygen rich and echo friendly place of quality learning at Surampalem. Glc
change in climate and reduce of water levels are the most pressing issues. These issu
determine the progress of future generations. Constant steps to be taken continuous
conserve and preserve our environment. Awareness and importance to be created in stu
The contribution of students in programmes will help us to preserve the environment.A
been pioneer in adopting required initiatives to infuse the spirit of environment awa
among students and faculty. By inserting environmental awareness in students that hel
the development of the society. The Eco friendly campus will give message to the stu
that protecting nature is protecting human kind.Continous green practices are followe
the life can be enhanced. 4. The Practice: The following inventiveness has been taken
college to give to the noble reason of consciousness of environment and its sustainal
Plastic Ban in the campus: The main goal of the programme is decrease plastic pollut
the college. The main focus on reducing and eliminating plastic bottles, straws and
packaging. Students and faculty are advised to drink RO purified water in the college
than water bottles. The faculty and advised to bring copper/steel bottles replacing p
water bottles. Waste management: Aditya College of Engineering Technology has devis
method for managing waste created in the campus reuse, reduce and recycle are the l
strategy employed. Solid and liquid waste generated by college is biodegradable and
biodegradable in nature. Hazardous waste is not generated in the campus Energy conser
•Awareness is created among the students and faculty. •Display boards are placed at
floor, staff room and class rooms. •The solid waste is utilized for vermicomposti
•Recycling of waste water and using it for gardening helps to reduce consumption of
•Water conservation facilities are deployed across the campus to harvest rain water,
water levels in tanks and recycle the waste water •Energy efficient equipment like LE
are in application to reduce the consumption of electric power. • Bicycles are allowe
means to commute inside the campus for the staffs, students and visitors. • E-vehicl
used for internal transport for visitors and parents. • Every year tree plantation dr
conducted by Eco clubs and NSS in and outside of the campus. Use of Renewable energ
Aditya college of Engineering Technology have installed solar power generation plant
year 2018. • The plant produces 500kW power to meet college needs and additional pov
send to Andhra Pradesh State Electricity Board (APSEB). • It has significantly reduc
requirement of regular electricity supply. • Awareness programmes are being organi
frequently on generation and conservation of energy obtained from various sources. C
neutrality: • Well established and well maintained gardens in the campus. • Greenir
college campus to reduce the carbon foot print. • Printing is done both sides of the
Uses of plastic utensils are discouraged. • E-vehicles are used for internal transpo
Staffs are encouraged to travel by college staff bus. • Notices and circulars are
through E-mail. 5. Evidence of Success: • ACET campus consists of wide variety of Ayu
Tress, Flower and design plants. Nearly 500 plants of ayurvedic, 1000 varieties of :
plants, 1400 varieties of trees and 1500 design plants and trees are available. •
institute is wheeling the power generated from the rooftop solar panels to the distri
to the grid. The units shared with the grid are reduced from the actual consumption o
supply. • The electricity bill is reduced every year from the date of installation. C

NSS unit was awarded Best service for the poor and needy. • ACET Eco-club - Eco corps
Clay Idols- Go Eco Friendly program to commemorate the Vinayaka chavithi. The clay
idols were made by Eco Corps and other faculty members and handed to the faculty. •
year plantation of saplings in the campus and nearby village is conducted by the colle
• A recharge pit harvested the rainwater coming from the top roof of the Visveswar
building. Similarly, a rectangular water pit has dimensions length of 29 ft, and a wid
ft. • The wastewater from the drinking water points is directly drained through the
pipe connected to the inner garden area, and the wastewater from the R.O. plant is ut
for the outer garden area. Approximately 1, 12,000litres per day of R.O. reject wate
sent to the large exterior garden with more mango trees. • There are two tanks (open
on campus where the rainwater from various parts of the campus is collected and sto
Rainwater from building rooftops is also channeled into these open ponds. Aerators pre
ponds maintain suitable dissolved oxygen for the purpose of aquatic life. • The capac
the overhead tanks at Visveswaraya block and SIR C.V.Raman block are 90,000 liters and
litres, respectively. • Only reverse osmosis water is available for drinking on camp
have three R.O. units, each with a treatment capacity of 2000 litres per hour. Activ
conducted under go green is listed in table1,Data wheeling to grid is given in table
varieties of trees plants are given in table 3. 6. Problems encountered and resources
of awareness among the students Poor availability of eco friendly products • Difficul
implementing Water conservation projects. • Lack of inherent willingness among stude
obey environmental issues-counseling and proctoring students.

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

http://www.acet.ac.in/acet/All_commitees/Best_2019-20.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 than 500 words

1.Makers' Zone The Makers Zone of Aditya college of Engineering Technology is establ
with a vision to enhance and leverage the innovation skills in multidisciplinary aspe
Engineering as well work collaboratively with harmony to invent, innovate and deve
technologies that facilitate the society. From the time of inception of the clubs worl
zeal to reach technocrats motivating, inspiring and imbibing the knowledge of preser
future technology, Especially, Robotics and Automobiles, their predominant role in v
fields. The zone focuses on interdisciplinary and multidisciplinary projects inclu
Electronics and Communication, Computer Sciences, Mechanical and Electrical and Elect
engineering with an aim to innovate technology for a sustainable development of socie
makers zone is very much involved in designing various working models and simulated mo
augmented reality and virtual reality for different types of robots and automobiles th
to carve, pick and place, 3D printing, Driving, Energy saving and many other applica
with a motive to make the robots and automobiles available within affordable cost t
users of technology. It conducted various extension activities like research, worksho
expo's and developed apps for operating robots with the help of students and faculty
further exercising to collaborate with industries to develop robots and so as to supp
workers and make their work easy and automobiles for sustainable environment and ch
transportation system. The clubs achieved prizes and laurels from various Universi
including IITs and other organizations. 1.Green Cover zone – Sustainable Environment
college of Engineering and Technology is reputed for its academics and Placements.
spread in an area of 180 acres of land amidst the Surampalem village of East Godavar:
One that is enthralling about the institution is its enchanting ambience and beauty
really makes one so immersed in to it. The institution is committed to maintain an
friendly environment and zero emissions campus. The energy or the power utilized for
purposes is generated from renewable energy source that is the solar panels which are
on academic buildings. Battery powered vehicles were introduced which contribute pol
free environment. The canopy of trees, carefully nurtured vegetation and the flora
present in the college premises clearly speaks volumes about the sustainable enviro
Waste management is implemented by following the norms of the government from the col
to disposal of waste keeping in view the bounty of soil and the living environmen
Understanding the emergency of scarcity of water, the institution took a major ste
conserving the water utilization. The raw water from RO plants, rain water and domest:
that let out in the college is channeled to the gardens and mango groove. The recharg
helps to store and maintain the water levels underground. The college follows the no
Swachh Barath and also took initiative to ban single use plastic products with its po
ban on plastic and restriction on entry of automobiles to maintain a clean, green and
environment for sustainable environment.

Provide the weblink of the institution

http://www.acet.ac.in/includes/committees/images/ID/ID19-20.pdf

8.Future Plans of Actions for Next Academic Year

Research and Development activities are to be more strengthened by collaborating with
reputed institutes. Existing research policy is to be refined to improve the quality o
publications and also to encourage faculty members to participate in various Internati
platforms by providing financial support in the form of registration fee and incentive
departments to be recognized as Research Centers To strengthen the teaching-learning p
Students are to be trained exclusively for improving placements in core sectors, and a
quality programs are to be initiated towards career guidance, soft skills and curricul
enrichment. Faculty members are to be trained to adopt Outcome based education. Studen
to be sensitized towards establishing startups by conducting guest lectures on
entrepreneurship and innovation.