



YEARLY STATUS REPORT - 2020-2021

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 its own campus? **Yes**
- Phone no./Alternate phone no. **08842326212**
- Mobile no **9000276662**
- Registered e-mail **principal@acet.ac.in**
- Alternate e-mail **ramakrishnatk@gmail.com**
- Address **ADB Road, Surampalem, Peddapuram Mandal, E.G. Dist.**
- City/Town **Surampalem**
- State/UT **Andhra Pradesh**
- Pin Code **533437**

2.Institutional status

- Affiliated /Constituent **Affiliated**
- Type of Institution **Women**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the Affiliating University **JNTUK-Kakinada**
- Name of the IQAC Coordinator **Dr. Chaluvadi V Raghavendran**
- Phone No. **9440674553**
- Alternate phone No. **8247040558**
- Mobile **9440674553**
- IQAC e-mail address **iqac_coordinator@acet.ac.in**
- Alternate Email address **office@acet.ac.in**

3. Website address (Web link of the AQAR (Previous Academic Year))

http://acet.ac.in/acet/All_committees/ACET%20AQAR%202019-20.pdf

4. Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<http://acet.ac.in/?p=examination&category=&committeename=Examination%20Committee#tab6>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.68	2016	11/07/2016	10/07/2021

6. Date of Establishment of IQAC

15/11/2015

7. Provide the list of funds by Central / State Government

UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
CSE	An exhibition of popularization of science among school children	Ministry of Science & Technology, New Delhi	2021	101728
CSE	Grant for Organizing Conference	All India Council for Technical Education (AICTE), New Delhi	2021	50000
CSE	Promotion of innovation, Rural Industry and Entrepreneurship	Ministry of Micro, Small & Medium Enterprises (MSME), New Delhi	2020	5000000

8. Whether composition of IQAC as per latest NAAC guidelines **No**

- Upload latest notification of formation of IQAC **No File Uploaded**

9. No. of IQAC meetings held during the year **2**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**
- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

10. Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

- If yes, mention the amount

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

Impact Lecture Session on Innovation and Entrepreneurship Program by Institute of Innovation Council

Two days' workshop on NAAC Accreditation (Cycle-II)

Orientation Program on Patents Filing

Orientation Program on NIRF

Orientation Program on NAAC

12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Awareness program on Startups	Conducted an Impact Lecture Session on Innovation and Entrepreneurship Program
Orientation program on New NAAC Accreditation process	Two days' workshop was conducted on NAAC Accreditation
Orientation program on IPR	Organized an Orientation Program on Patents Filing
Sensitization program on Institutional rankings	Orientation program is organized on NIRF rankings

13. Whether the AQAR was placed before statutory body? Yes

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	27/12/2021

14. Whether institutional data submitted to AISHE

Part A

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Orientation Program on NAAC	
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14. Whether institutional data submitted to AISHE	

Year	Date of Submission
2021	23/02/2022

15.Multidisciplinary / interdisciplinary

NA

16.Academic bank of credits (ABC):

NA

17.Skill development:

NA

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

NA

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

VARIOUS AWARENESS PROGRAMMES ARE BEING PLANNED AND CONDUCTED.

20.Distance education/online education:

NA

Extended Profile**1.Programme**

1.1	580
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	3454
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	387
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
File Description	Documents
Data Template	View File
2.3	991
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	183
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	183
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	62
Total number of Classrooms and Seminar halls	
4.2	488.28
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	871
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

The curriculum delivery and documentation mechanisms at Aditya College of Engineering & Technology (ACET) affiliated to Jawaharlal Nehru Technological University Kakinada (JNTUK), are well-planned. Through Continuous Internal Evolution, the Institute meticulously implements the academic calendar events (CIE). The Institute uses a variety of instructional methods and performance evaluation tools. Chalk and talk, PPTs, tutorials, online classes, engaging with students via electronic media, proctoring, and discussions are all used in the classroom. CIE is implemented at the Institute using assessment items such as short or long answer tests with written explanations, assignments, quizzes, midterm exams, laboratory experiments, student projects, fieldwork, seminars, and presentations, among others. In order to achieve Institute objectives, the Institute additionally enriches the University curriculum by offering value-added courses, certificate courses, and skill development programmes in the focus areas, as well as ideas and advice from stakeholders. Department Academic Committees (DAC) are also in place at the Institute to monitor and control curriculum delivery by holding internal meetings and formulating academic strategies for the future academic year. With the number of working days available in mind, the curriculum is divided according to the teaching plan so that the course can be completed in a reasonable amount of time. While implementing the curriculum delivery assignment, each department of the Institute rigorously follows the academic calendar published by the affiliating University.

Furthermore, teachers are encouraged to use innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits, and other means in addition to traditional teaching methods and preparing course files to deliver instruction before and impart the curriculum. A lesson plan, assignments, tutorials, previous question papers, lecture diary, and lecture notes are all included in the course package. HoD reviews each course's course file on a regular basis to ensure that the Department is meeting its "Institute objectives, course outcomes, and stakeholders' requirements." If there is a discrepancy in these levels of achievement, the

Institute takes the appropriate efforts to close the gap.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://acet.ac.in/acet_NAAC/criterias/1/1.1.1.pdf

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

Projects

Aditya College of Engineering & Technology follows the guidelines of conducting the student projects as per the prescribed curriculum given by Jawaharlal Nehru technological university Kakinada. The allotment of project batches from each class consists of 5 members on average per batch that should be allotted based on the CGPA and the maximum credits. In our department a project review committee is administrated by Head of the Department with some senior faculty as panel members. Three internal reviews are conducting out of which two are to train the students to develop their presentation skills, the documentation and final presentation of the projects can be reviewed in third internal review for those marks should be allotted to them. External reviewers are allocated by the university along with date of conducting Project external reviews.

Course File

Aditya College of Engineering & Technology follows the prescribed curriculum of Jawaharlal Nehru technological university-Kakinada. For the smooth and successful conduction of course, we create lesson plan, objectives and outcomes of the course for every semester in the BTech programme. Assignments, quizzes and remedial classes for slow learners are conducted to enhance the knowledge of the students.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://acet.ac.in/acet_NAAC/criterias/1/1.1.2.pdf

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

B. Any 3 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

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

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

13

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

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

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)**12**

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year**1412**

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

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

Aditya College of Engineering & Technology is following the regulations of the affiliating university Jawaharlal Nehru Technological University, Kakinada. For every regulation upgraded by the university is again analyzed by every department for course upgradation in the curriculum. Analysis includes lecture, tutorial, practical hours basing on the credit weightage for the credit base system improvement to deliver the required knowledge to the students. It also includes the categorization of the courses under Professional ethics, gender, human values, environment, and sustainability into the curriculum.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

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

13

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

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

1054

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution

A. All of the above

from the following stakeholders Students
Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	http://acet.ac.in/acet_NAAC/criterias/1/1.4.1.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

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

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

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://acet.ac.in/acet_NAAC/criterias/1/1.4.2.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

1031

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

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

265

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

The Institute attracts students from diverse backgrounds through the admission process defined by the State Government of Andhra Pradesh. The institute has designed and arranged an induction program involving administrative and senior faculty. College also provides the bridge course for the freshers, who are from different academic backgrounds to fill the gap in their academics. Students are exposed to student-centered learning experiences, including academic rules and regulations, curriculum design and structure, teaching-learning methodologies, and formative and summative assessment patterns etc. They are also well-informed about outcome-based education.

The college has a well-established counseling/proctoring system. Students are assigned to faculty members who act as proctors/counselors. Counselors continuously track these students and keep their parents up to date on their progress. The class teacher also keeps focus on the academic performance of the students and identifies the students who perform badly in their academics. Counselors engage with such students and help them by assisting with assignment completion and arranging remedial classes for them.

File Description	Documents
Paste link for additional information	http://acet.ac.in/acet_NAAC/criterias/2/2.2.1.pdf
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
3454	183

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

The Institution has made a continuous effort to transpose from the traditional teacher-centric approach to a student-centric one. The teachers act as a stimulant and students play a spirited role in the learning process. The following learning methods are designed to fulfill the need of the students.

Experimental Learning: The faculty members promote learning through enticing the learners in wealthy content of coaching through experience, demonstration, assignment improvement, and student seminar presentation. The experiential studying practices to magnify the creativity and analytical levels of the students with add-on courses on the latest technologies.

Participatory Learning: The college organizes an inter-institutional technical event VEDA every year for engineering students, where technical presentations on various diverse topics and a few selected projects are displayed on the larger platform. Additionally, the institute encourages students to publish papers in conferences and journals to give them exposure to learn and gain new capabilities.

Problem Solving Methods: Departments encourage students to collect and develop problem-solving skills. For this, the college organizes expert lectures on numerous topics, motivate college students to join MOOC courses, participate in diverse inter-college and intra-college technical fests.

File Description	Documents
Upload any additional information	View File
Link for additional information	http://acet.ac.in/acet_NAAC/criterias/2/2.3.1 .pdf

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

The Information and Communication Technology (ICT) enabled coaching methodologies and superior technology are being accompanied by the faculty to the lecture rooms as well as to the laboratories. All the classrooms and a few laboratories are equipped with ICT tools like projectors, audio-visuals, and high-speed internet/Wi-fi on the campus. Internet access is given to all staff, students, administrative office, and library which improves network and communication on the campus. Digital library is having computers with internet facility. It is an open-access to staff and students to E-assets like world e-book Library, memberships like DELNET, Library e-journals from N-List, J-Gate, e-books of McGraw Hill & Pearson are used by the faculty. The institute is a Wi-Fi-enabled campus. The college has an LMS portal and access is given to every student, where faculty upload daily attendance, internal, external marks, etc.

Different ICT tools used by the institution are:

- Projectors
- Desktops
- Laptops
- Printers and Scanners
- Photocopier machines
- SmartBoard
- Seminar hall
- Online class through Microsoft Teams
- Digital Library
- Video Lectures
- Online Learning resources
- Digital library resources
- Google quiz
- MOOCS
- Multimedia Projectors
- Computers
- Digital Content
- Laptop/Desktop
- WiFi
- LAN connected system
- Online/off-line videos
- Microsoft Teams for online class teaching / Meetings

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

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

2.3.3.1 - Number of mentors

180

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

183

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

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

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

29

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

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

2.4.3.1 - Total experience of full-time teachers

1152

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

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

As an affiliated institution, we are strictly adhering to JNTUK university norms and conditions for internal evaluation. Based on the University academic schedule, each faculty prepares the internal examination and the assignments considering the entire coverage of the COs and also the taxonomy as appropriate. While preparing the assignment questions, faculty will try to cover all the possible taxonomies to the maximum extent.

- Two Mid Examinations are conducted for students as per university norms in each semester
- Final Mid marks = (Best of (Mid-1/Mid-2) marks x 0.8 + Least of (Mid-1/Mid-2) marks x 0.2)
- Each faculty prepares the scheme of evaluation and evaluates the student answer scripts as per the scheme.
- For assessment of seminars, summer internships, and projects, the faculty coordinator prepares a schedule of

presentations of students in slots in consultation with the HOD and is communicated to students. Students present their work or report to the coordinator and evaluate on the basis of various parameters set by the respective coordinator.

- For assessment of laboratory course, an internal practical viva is conducted by a respective faculty member at the end of the course

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	http://acet.ac.in/acet_NAAC/criterias/2/2.5.1.pdf

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

Based on the University JNTUK academic schedule, internal examinations are conducted. For conducting the internal assessment tests, a department committee is constituted for the smooth conduction of internal examinations.

- Two internal assessment tests Mid-1 & Mid-2 are conducted in each semester.
- The evaluated internal answer scripts are distributed among the students in the classroom, if there are any corrections will be rectified immediately by the faculty.
- Internal examination results are displayed on the notice board.
- If any discrepancy is found in the submitted marks, it will be brought to the notice of the University within one week from the submission.
- Any grievances related to university question paper are addressed to the superintendent of examinations and the same reported is to the university immediately through the controller of examinations.
- University decision or information after resolving the grievances/correction in the question paper is intimated
- If a student has any grievances related to the evaluation of the semester-end exam answer scripts, the student can apply for revaluation/recounting/challenge evaluation.
- University declared the result of revaluation/recounting/challenge evaluation after completing the process on the university website.

The assessment of the student's performance in each course will be based on internal evaluation and semester-end examination

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	http://acet.ac.in/acet_NAAC/criterias/2/2.5.2.pdf

2.6 - Student Performance and Learning Outcomes

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

The Institution puts emphasis on Outcome Based Education which offers what is anticipated from the student after they finish their course. In this context, Program Specific Outcomes (PSOs), Program Outcomes (POs), and Course Outcomes (COs) are developed and are communicated to the stakeholders of the program by the following procedures.

POs and PSOs are framed by the faculty members under the supervision course coordinator. All courses of the all programmes have well-defined COs, the CO-PO mapping is done accordingly.

POs and PSOs along with Vision and Mission are displayed in all prominent locations of the campus like; department offices, laboratories, classrooms, and department libraries. COs are also printed on each lab manual and issued to all students at the beginning of every semester.

The respective course coordinator frames the COs in consultation with concerned faculty members. The course outcomes and their mapping with program outcomes and program-specific outcomes are elaborately discussed and derived by the course committee members. During the commencement of each unit and after the completion of the unit, the course outcomes are reviewed.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	http://acet.ac.in/acet_NAAC/criterias/2/2.6.1.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

1. Attainment of Course Outcomes:

Internal assessment will be conducted as per the guidelines and schedule of JNTUK, Kakinada. External exams are conducted by JNTUK. All the marks scored by the learners are recorded. Based on rubrics set for individual courses, the attainment level will be calculated. Attainments for internal examinations will be calculated by taking the question-wise attainments for descriptive, online, and assignments and an average of these attainments will be considered as CO attainments will be finalized.

2. PO attainment calculations:

CO-PO matrix is considered for each subject. PO attainment is obtained from PO with CO values.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://acet.ac.in/acet_NAAC/criterias/2/2.6.2.pdf

2.6.3 - Pass percentage of Students during the year

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

783

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

http://acet.ac.in/acet/All_commitees/2020_21_SSS_report.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

60.67

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

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

3.1.2.1 - Number of teachers recognized as research guides

4

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

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

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	http://www.acet.ac.in/?p=Research Grants

3.2 - Innovation Ecosystem

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

Aditya College of Engineering and Technology (ACET) established Incubation center (<http://acet.ac.in/?p=entreprenur#tab5>) at ground floor of Visweswarya Bhavan Room No:019, 1000sq.ft area, provides conducive environment for technology-driven innovations, to motivate young minds towards entrepreneurship and pave established path towards their goals.

ACET is recognized by various state and central government organizations like Host Institute Business Incubation (HIBI) center from MSME and established LBI (Livelihood Business Incubation) center under ASPIRE scheme by MSME, Govt. of India and received a grant of Rs.50 Lakhs in the year 2020. Conducted various guest lectures from Eminent Management Experts to inspire students towards entrepreneurship, understand Budget and scope of grants, marketing strategies and various funding agencies.

ACET secured 4 star rating in Atal Ranking of Institutions on

Innovation Achievements (ARIIA) - 2020-21 under

MoE. (<http://acet.ac.in/uploads/ARIIA/ARIIA%202020-21-NEW.pdf>)

1. One of our students Mr K K Mishra (<https://www.linkedin.com/in/krishnkumarmishra/?originalSubdomain=in>) started Agumentik Software Pvt. Ltd (<https://www.agumentik.com/>) recognized by Startup India, became part of INDIA 500 most promising IT Company and provides employability to Adityans also.

2. Karanam Technologies is another startup run by Mr. K.B.S.Tarun Kumar, is about soil less farming, with a turnover of 4 lakhs/annum and profit of 1.3 Lakhs/annum. The CEO Mr.K.B.S.Tarun Kumar has participated in i2E competition at BOSTAN, USA, has also received award in Decennial celebrations at JNTUK, Kakinada.

3. Some of our proud startups incubated in AdityaCollege of Engineering & Technology are VYSAPRATECH, Trigid Innovations Pvt.Ltd, Picshort Private Limited, Night Out, QQ Advertising & Marketing Pvt.Ltd

Activities Furnished:

1. Provides Common facilities to incubate viz. Office support, Equipment support and Technology support.

2. Provides support in documentation, publication and patenting of innovations.

3. Certification training program on entrepreneurship is offered to faculty and students.

4. Conducted workshops and seminars on "How to plan for start-up , Legal & Ethical steps, IPRP". (http://acet.ac.in/?p=workshops_seminars).

5. Organized various industrial visits to ISRO, Infosys, VTPS, Steel Plant and Software companies to inculcate industrial environment to students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

23

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards**3.3.1 - Number of Ph.Ds registered per eligible teacher during the year****3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year**

0

File Description	Documents
URL to the research page on HEI website	http://www.acet.ac.in/?p=Research_Supervisors
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year**3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

87

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

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

43

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

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

ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY-NSS

Unit with registered number 90214409 in collaboration with JNTUK Kakinada organized and conducted various extension activities to promote social awareness, social responsibility, constitutional responsibility, Health Camps, conduct rallies, contribution to environmental protection, Swachh Bharat, focus on Gender equity and women empowerment in the college-neighborhood-community.

In order to bring awareness in the society, to enlighten and remind the responsibilities that an individual and citizen of our country, the NSS unit of ACET took initiative to conduct programmes in college premises and nearby villages, schools and public places.

The NSS UNIT conducted total number of 20 programmes in the academic years 2020-2021 in collaboration with 09 government and 05 NGOS in and out of the campus. 1232 students uniquely took active role in all the programs.

In social awareness, social responsibility, constitutional responsibility a total number of 09 programs were conducted that includes Cyber jagrookt diva's, sanitization, drug abuse, illicit trafficking, fundamental rights pledges of my gov.in were conducted to make the public understand the social and ethical norms and take initiative in serving the people to ensure the integrity of society. To be responsible and follow the fundamental rights. 1825 students are participated in the above 09 programs.

In the aspect of health care NSS UNIT conducted 04 programs that include blood donation camps, yoga, eye checkup, pulse polio, Covid Vaccination, Health and hygiene. 1272 participants are actively participated. The main aim is to promote health consciousness among public to stay fit and active and also to achieve wellness with in and in the community by maintaining good health and getting vaccinated when required.

NSS UNIT always focuses on promoting environmental consciousness. It conducted 01 program that is plantation and distribution of saplings drive, 83 participants involved in the programme.

Swachh Bharat Abhiyan is an initiative of govt of India a cleanliness drive to maintain the ambience and surroundings clean. One Swachh Bharat program was conducted involving 118 participants cleaning the college premises and visited nearby villages to bring awareness in public about littering of waste, contamination of soil, land and water and cleanliness drives.

NSS UNIT also took efforts in promotion activities like gender equity and women empowerment. One program on Gender Equity was conducted to support women and strive to address gender impact in public for the welfare of women and girls. 127 participants participated in the program.

NSS UNIT always stands in forefront to serve society, environment, humanity for a peaceful and harmonious life by conducting 04 charity programs in the academic year 2020-2021. 610 students are participated in the programs.

File Description	Documents
Paste link for additional information	http://www.acet.ac.in/?p=allcommittees&category=NSS&committeename=NSS
Upload any additional information	No File Uploaded

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

03

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year**3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

20

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

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

3912

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

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

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

25

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

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

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

9

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Aditya College of Engineering & Technology (ACET) has appropriate infrastructure and physical resources, such as classrooms, labs, computer equipment, and so on, in accordance with AICTE regulations, to support the teaching and learning activities, as described below.

- The college is situated on a lavish green campus of 10 acres and caters to both academic and residential needs.
- Academic amenities for all Under Graduate (UG) and Post Graduate (PG) programmes are housed in two separate academic buildings, each having three floors.
- All the classrooms (56) on campus had standard size and can accommodate 72 students. Also equipped with white board, projectors and Wi-Fi connectivity.
- All the faculty members are having an access to laptop (or) desktop and other ICT amenities that aid in the teaching - learning activities.
- The Knowledge Information Centre (KIC-Central Library) provides resources to all programmes, with over 6,588 titles and 8,127 volumes. Also, digital library with 60 systems that enable access to online literature and journals assist KIC activities. In addition to KIC, in their respective locations, all departments have specialised library that serve to the primary and instantaneous needs.

Laboratories

ACET includes 39 completely equipped labs with the most up-to-date technical equipment as specified in the curriculum, as well as a departmental library and six special labs for all departments.

Each department has its own computer lab with the most up-to-date software to fulfil the needs of major projects, mini-projects, and research. Further, students are encouraged to undertake research work in emerging areas in addition to the standard curriculum.

All computer labs on campus are outfitted with a sufficient number of computers (1:4 ratio) and installed with licenced software. An addition to that, to train the students with advanced software applications, an advanced laboratory with desktop workstations is

available in the campus.

All the systems (desktop/laptop) on the campus are on access to LAN with domain servers. The whole campus is Wi-Fi equipped, with an dedicated internet leased line backbone connecting the buildings, catering to the demands of students and teachers. The organization having the access with a bandwidth of 100 Mbps to meet the needs of academics, hostels, houses and administration requirements. Committed staffs of IT specialists maintain the PCs on a regular basis, guaranteeing security as needed. A dedicated server hosts a digital learning platform with video and text material to supplement the classroom teaching-learning process.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://acet.ac.in/?p=Class_Rooms

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

Other than curricular activities, Aditya College of Engineering & Technology support extra-curricular activities like Sports, Games, Cultural activities, Gymnasium and Yoga etc. The sports and games fields cover a total of 10 acres. Athletics, Volleyball, and Kabaddi, are just a few of the sports available at ACET. There are indoor (table tennis, chess, caroms) and outdoor Shuttle courts, as well as a gymnasium is also available.

The Aditya College of Engineering & Technology had launched a wide variety of sports and games activities to students to inculcate competitive spirit among the students. Aditya College of Engineering & Technology offers adequate infrastructure facilities for games and sports such as:

- 200m Track
- Volleyball Court
- Kabaddi Court
- Shuttle courts
- Table tennis court
- Chess
- Caroms

On a zone and national level, the students have brought the

university honours, name, and fame. Various tournaments are held for students. ACET has demonstrated its superiority in different sports. ACET has a team of physical trainers with a proven track record in sports. ACET has competed in numerous intercollegiate sports meets and has a long history of sporting success. The Girls and Boys Hostels have facilities for shuttle, caroms, table tennis, and chess, as well as a gymnasium, yoga and cultural activities. Gymnasium (Fitness Centre) The hostel has gym and fitness centre facilities for students to be fit and healthy, including treadmills, exercise cycles, body building equipment, and other cutting-edge fitness equipment. The gym is open in the morning as well as the evening. A healthy body and a healthy mind with Yoga

Yoga is a journey of the self, to the self, and through the self, with the goal of shining the light of consciousness into the darkest regions of the body. Yoga centres in boys' hostels and girls' hostels conducted Yoga sessions on a regular basis for the students here, with the goal of enhancing their inner selves and making them better, more effective people.

Cultural Facilities

At Aditya College of Engineering & Technology, we believe that in order to improve our students' talents, they must be given opportunity to explore their creativity. Throughout the year, cultural programmes are held to foster creative endeavours and nurture talent. Students establish groups and share responsibility for event planning.

All of the facilities contain well-equipped seminar halls/assembly halls, annual functions and cultural events can be held there. At the main seminar hall, major cultural events are held.

"A SOUTH-INDIAN ANNUAL YOUTH FESTIVAL celebrated in the month of January," according to a new definition for COLOURS in the most recent online dictionary, spear headed by Aditya College of Engineering & Technology. Colours, a state-level youth festival, began in 2009 at ADITYA CAMPUS, Surampalem, and was repeated in future years. And also all important Indian festivals are enthusiastically observed and celebrated on campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://acet.ac.in/?p=sports&category=&committeeename=Sports%20Committee

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

62

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://acet.ac.in/?p=Class_Rooms
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

78.14

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

The library of the college is situated at a place which is easily

accessible by all the students and staff. It has adequate number of terminals to facilitate searching/accessing e-resources, web browsing and for other academic work. The library has also facility for downloading/printing of materials from other various resources. Our library is equipped with modern technology and upgrades and whenever new technology emerges. All the Departments of the college have a separate department library having access to the students/staff. The Information regarding new arrivals is publicized on the notice board. Our Library is automated using a Software, E-CAP Library to automate the library. A library management system (LMS) is an enterprise resource planning system for libraries, used to track items owned, issued and returned. This system enables efficient library administration to cater user services.

This Software has following modules:

1.Circulation Module - It has the feature of lending materials to patrons and receiving them back. In the library circulation module provision is made to issue/return/renew for books circulation, non-print material circulation (CD, DVD, etc.) and serial circulation (Print Journals/Magazines).

2.Setting module - It can generate the barcodes of the books, listing of books (by authors, publishers, and suppliers). The printing of member barcode can also carried out in this module.

3.OPAC module - It has also the access of online Public Access Catalog for searching the library resources for finding the particular book, journal or handbook etc.

The OPAC module has many other added features along with it. In this OPAC module the user can search the user can also search the library resources as a general search and as well as advance search. In general search the availability of finding with the sorting of title, author, publication, keywords and classification can be carried out whereas in advance search the searching can be done with various combinations like Title, Author, Publication Keywords, and Classification no.

Another feature available is the Accession Search in the OPAC module. In the Accession Search, search can also be done through the accession numbers provided without remembering the title or author of the book to be searched. With this added feature the accuracy and the speed of the searching a particular content enhances.

ECAP aims at immediate availability of data in required formats that ease the work of staff and management and increase transparency and accountability in administration.

The following features can be accessed students and staff individually through E-CAP with individual login credentials

1. It has the feature of searching the availability of books by subject wise / author wise/ course wise.
2. It gives the account information like books taken and due date to return.
3. It also gives the information about the library fine amount to be paid for books if not returned on time.

Some of the additional features available in the library services are as follows-

1. Free WI-FI, internet access, download and printout facility have been provided
2. Organization of Book Exhibitions/Display of new books
3. Proper system of feedback from users to improve library services.
4. System of recommendation for purchase of books through Departments

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	http://acet.ac.in/includes/committees/attachments/e_Resources_facilities.pdf

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

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)****7.78**

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

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)**4.2.4.1 - Number of teachers and students using library per day over last one year****561**

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure**4.3.1 - Institution frequently updates its IT facilities including Wi-Fi**

The institution has good state of art infrastructure to meet the educational requirements of the students. The entire campus is optically networked between the buildings using the cables for connectivity. In addition, Wi-Fi facility is provided in all the buildings. In addition to each building /department, other important places like Examination Centre, Research Centre, Placement Cell, and Library are connected with uninterrupted internet facility The institute continuously keeps upgrading the internet bandwidth as latest teaching methods demand the usage of MOOCS/NPTEL/HACKTHON/Webinars etc. AP CM Skill Excellence Centre with 37 core i5 & core i7, 16GB RAM laptops for skill based technical training was established in association with APSSDC. The college has Internet Facility with leased line from BSNL with 100Mbps.The server room of Main Computer Centre has multiple

servers namely: Windows, Linux, Oracle database, NPTEL and Vyatta server. Software installation, regular system maintenance, software upgrading are taken care on a routine basis by the respective department Computer technicians. A separate server with HDD is being maintained exclusively for NPTEL video streaming within the campus. The institute keeps upgrading the software packages and also purchases software currently being used in the industry to make the students industry ready. The faculty members, carry Laptops connect to the LCD Projector with Wi-Fi facility. For better visualization of the subject topics, the faculty is encouraged to use the ICT facilities. Also the students are supported by the faculty to present their seminar topics using the ICT facilities. The institution also conducts the mock examinations under our Campus Recruitment Team through Moodles. The Computer laboratories are equipped with systems of latest configuration and required software, and are available to all. Our college has very strong IT support which takes care of the updates of its IT facilities in terms of hardware and software upgrades, installation of new Wi-Fi devices. All the LCD projectors are implemented with audio visual systems in our institute.

The details of up gradation that has taken place over the last five years are shown below:

1. Procured 100 Lenovo M70c (Intel Core i3, 8 GB RAM, 256 GB SSD) Desktop Computers in 2020-21.
2. Procured 320 Lenovo V530 (Intel Core i3, 8 GB RAM, 256 GB SSD) desktop computers in 2019-20.
3. Procured 451 Zebronics (Intel Core i5, 8 GB RAM, 320 GB HDD) and Foxin (Intel Core 2 duo, 2 GB RAM, 320 GB Hard disk) desktop computers in 2018-19.
4. Procured 20 LCD projectors in last five years for classrooms, seminar halls, conference halls and laboratories.
5. Procured 1 UPS and Battery in 2018-19.
6. Procured 3 Software's for Electronics and Communication Engineering in 2017-18.
7. Procured ECAP ERP software in 2017-18.
8. Procured 12 Wi-Fi Access Points in 2019-20 for the wireless access facility.
9. Procured 1 Copiers in 2018-19.
10. Procured 4 Copiers in 2020-21.
11. Procured 3 printers in 2017-18 & 2018-19.
12. Electronic surveillance system with 150 cameras was deployed in the campus.

13. Procured 2 Digital Interactive Boards for smart class rooms in 2019-20.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://acet.ac.in/?p=IT%20Infrastructure#tab1

4.3.2 - Number of Computers

871

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

96.23

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

The college has built an eccentric atmosphere for educational pursuits. It takes a lot of struggle to have contemporary physical facilities. The maintenance of the building is handled by a distinct department. All departments have distinct protocols for upholding their equipment. The faculty in charge of each laboratory is accountable for its running. For the repair of unconventional equipment, suitable AMCs are engaged. The Librarian retains the library, which is supervised by the Library Commission. This committee is in charge of processing the specifications. All sports facilities, including the Gymnasium, are overseen by the Physical Director. The computers are adequately examined and maintained, and the software is adjusted in accord with necessities. The maintenance of ICT equipment used for teaching and learning is habitually prioritized. Generators are on hand at the college to ensure that classes and laboratory assemblies are not disrupted by power outages. The institution takes special care and plans activities to ensure that physical resources are used to their full potential. Pupils at this engineering school are also concerned in the upkeep of air conditioners, power apparatus, and transport. The college has sufficient workforce to retain the campus, including its physical facilities, in decent condition. Each department has the essential amount of classrooms to maintain the steady instructional timetable. Every classroom has been considerably designed and is well-ventilated. Each classroom is equipped with multimedia equipment. The housekeeping team at the institute keeps the classrooms clean and well-maintained. The classroom monitors are keeping a close eye on this. Seldom are classrooms equipped for competitive exams from both government and private establishments. Each department has an satisfactory number of laboratories furnished with cutting-edge equipment, which progresses and fosters an ideal training and learning atmosphere. And each lab has a lab-in-charge and a lab associate who are in care of

frequently maintaining, informing, and servicing the apparatus. For inter-building connectivity, the campus has an optical fiber backbone, and each building has its own LAN. The computer centre also hordes online exams, aptitude tests, and other competitive exams. The Network Commissioner is in charge of the institute's server space, as well as networking and device maintenance. The Librarian and his workforce retain the library in decent functioning order, with aid from the library committee, which acts as a conduit for feedback. A campus maintenance squad is in charge of observance the library clean. The department libraries are managed by the department faculty. The central library has a devoted workforce and maintenance team for the in-charges of the appropriate departments, as well as for assistance and repairs. A barcode scanner is used to check inventory. Female pupils and employees have access to restrooms at the establishment. With health and hygiene as a highest importance, the institute built vending machines for sanitary napkins and proper disposal of used ones. Yoga and meditation centers will benefit both faculty and students' physical and mental health. The institute has a enjoyable play area with equipment for games and sports such as cricket, basketball, volleyball, and throwball, among others. A gym with a certified and professional Physical Director is also existing. Indoor games such as TT, Carom, Chess, and Snooker are available to pupils. Students who are involved in sports will use the sports complex's equipment. Students and faculty have access to a medical center on campus. A full-time doctor is on staff to lever medical crises. A medical associate, a lady associate, and an ambulance are part of the emergency response team. A first-aid kit is accessible in each department's laboratory. The institute's environment is retained clean and green, and all conveniences such as drinking water, restrooms, gardening, and power are accessible 24 hours a day, seven days a week, thanks to dedicated housekeeping staff. Bore wells, dedicated water tankers, a RO plant, a sewage treatment plant (STP), and a rain harvesting scheme help them. Suggestions, surveys, and grievance catalogues provide the essential course correction mechanisms to ensure maximum satisfaction.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://acet.ac.in/?p=IT%20Infrastructure#tab5

STUDENT SUPPORT AND PROGRESSION**5.1 - Student Support****5.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year****5.1.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year****2271**

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefitted by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year**5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year****1183**

File Description	Documents
Upload any additional information	View File
Number of students benefitted by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

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

B. 3 of the above

File Description	Documents
Link to Institutional website	http://acet.ac.in/?p=Training&category=&committeename=Training%20&%20Placement%20Cell#tab7
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

631

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

631

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

592

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

1

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

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

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

15

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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

10

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

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

The Students of Aditya College of Engineering and Technology have ample representation in various forums that provide opportunities to showcase their leadership skills, plan and manage activities.

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.

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 have National Service Scheme (NSS) Unit: The programme aims to teach social welfare to students and provide service to society.

The committees focus on improving students' harmony by conducting awareness programs, strengthening the institute's 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 student's 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 student's 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/?p=committees>

File Description	Documents
Paste link for additional information	http://acet.ac.in/?p=committees
Upload any additional information	No File Uploaded

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

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

7

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

Alumni Coordination Cell

The Alumni Coordination Cell (registration and functional)

contributes significantly to the development of the institution through financial and other support services.

The prestige and pride of our college is the great marvelous contribution by our Alumni through the ACETAWA i.e., Aditya College of Engineering & Technology Alumni Welfare Association. The mission of the Alumni Association is to foster mutually beneficial relationship between the Institute and its alumni.

Objectives:

- To maintain contact of alumni.
- To update contacts of alumni.
- To maintain and update alumni coordination cell website.
- To communicate the college events to the alumni.
- Invite alumni to the campus to take their ideas for the improvement of the institute.
- To request the alumni to extend their contribution towards the development of the institution.
- To take up help of alumni for higher education.
- To conduct career guidance sessions with the alumni.
- To explore internship opportunities with alumni.

Alumni Meet:

The alumni meet is conducted once in a year, wherein the passed-out students of under graduate and post graduate programs share their views with their juniors and give suggestions towards the betterment of overall development including curriculum.

Alumni Contributions:

- The alumni frequently visit the institution and deliver guest lectures on career guidance in their areas of expertise and motivate the young minds.
- Alumni are included as members in the elective subject selection. They are invited for meetings at the college and they interact with their teachers and express their suggestions on curriculum.
- The alumni support in many ways such as giving suggestion, feedback on existing Curriculum, updates on emerging trends, etc through various networking platforms.
- The alumni frequently visit the institution and contribute financial support to the students like books and project work materials.

Our Alumni:

Some of our Alumni working in reputed organization like power grid corporation of India, Govt banks like Canara bank, Lakshmi vilas bank. And other are working in reputed software companies like Amazon web services, Accenture, Samsung, Juspay, Qualcomm, TCS and ICICI .we are very proud that, one of our alumni is owner of a startup company.

File Description	Documents
Paste link for additional information	http://acet.ac.in/?p=alumni&category=&committeename=Alumni%20Coordination%20Cell#tab7
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)**A. ? 5Lakhs**

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT**6.1 - Institutional Vision and Leadership**

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

Vision

To induce higher planes of learning by imparting technical education with

- International standards
- Applied research
- Creative Ability
- Value based instruction and to emerge as a premiere institute

Mission

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

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

Aditya College of Engineering & Technology is headed by the Principal and is supported by Dean, the Heads of the Departments, and Coordinators of other Committees. The Institution functions with the support of Internal Quality Assurance Cell (IQAC), Examination section, Research and Development (R&D), Proctoring, Training and Placement (T&P) Cell, and other committees. The Heads of the various Departments identify the needs and requirements of the Departments which are then routed through the Purchase Committee for its view and suggestions to the concerned Heads and the Principal. The proposals are submitted to the Governing Body for its approval. Stakeholder opinions are taken into account while identifying gaps and proposing value-added courses. Stakeholders are also invited to participate in various committees, depending on the need, and their opinions are taken into account.

In Institution provides exceptional education for people from all walks of life, regardless of their social status, gender, religion, or caste. The institution arranges a variety of programs to educate students about social concerns, gender bias, nature, and the environment in collaboration with internal committees, each of which is led by the Committee Coordination and its members. Parallel to regular academic activities, the Institution has substantial state-of-the-art infrastructure for curricular, extracurricular, and sports activities. Aside from these, the Institution hosts conferences, seminars, symposia, and other events. The Institute's faculty and students are encouraged to participate in research and development activities. The institution strives to develop students into successful entrepreneurs, software professionals, and students who wish to pursue higher education in India and abroad.

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

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

The administrative structure at Aditya College of Engineering and Technology (ACET) includes the Governing mechanism with inculcating various practices for decentralization and participative management headed by Chairman, Vice-Chairman, Principal, Deans, Head of Departments, Committee Coordinators, Staff In-charges, Lab In-charges, System Administrators, Student Proctors and Class Representatives to promote quality improvement in all fields with excellence. In execution, the administrative setup functions with a decentralized decision making at all levels. 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 organizes meetings with the department Heads, 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 Principals, the HODs and faculty are encouraged to give suggestions that help in the growth of the organization. Faculty members are made part of 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 like Career counselling cell, Entrepreneurship development cell, Grievance redressal cell, etc. There are 31 committees that work together to explore opportunities, plan, organise, implement, and oversee all of the institution's activities. Even at the departmental level, the decentralised mechanism exists. There is freedom for all faculty members to express their thoughts and freedom to do various research related activities. In addition, the institution has constituted several committees with faculty as in-charge of those committees to groom leadership at the faculty level and every faculty members will be a part of at least one or more committees. The stakeholders of the institute - Faculty members, Students, Parents, Alumni, and Employers have a participative role in these committees.

Feedback taken from all stakeholders is very important in developing and modifying Institute policy. Internal Quality Assurance Cell (IQAC) develops a perspective plan based on feedback from all stakeholders. This plan is presented to Governing Body for discussion and approval. The Institution's policy encourages all employees to participate in decision-making

and the implementation of the decentralised decision-making policy. Various committees at the Institute level are constituted to oversee academic and administrative activities that lead to the realisation of the Institute's vision and goal.

This presents that the institution's administration is decentralised through committees, and that management is participative.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

At the beginning of the academic year, various bodies and committees that constitute the Organogram of the institute, chalk out the strategic plan of events and activities which will support the growth and development in these key areas and at the end of the year, a review is taken about implementation and the outcomes of the perspective plans. One such broad area in which the Institutional Perspective and Strategic Plan has been successfully implemented is that of Teaching, Learning and Research. This has been achieved through the deployment of Action Plan for the following initiatives:

1. Efficient Teaching erudition procedure
2. Effective Leadership and Participative management
3. Continuous Internal Quality Assurance System
4. Ensuring effective governance
5. Student's Overall Development through Participation
6. Employees Advancement & Welfare
7. Escalating Placements
8. Proper Discipline
9. Women/Student/Faculty Grievance
10. Financial Planning & Management
11. Institute - Industry Interaction
12. Encouragement of Budding Entrepreneurs
13. Constant Growth in Research and Development
14. Alumni Interaction and Outreach activities
15. Mounting Physical Infrastructure

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	View File

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

Aditya College of Engineering & Technology was established in the year 2004 under the initiative of Sarojini Educational Society and has a well defined organizational structure.

Governing Body

The Governing Body is headed by the Chairman and the Principal as the member secretary to monitor the governance of the institute which includes the general administration, academic and finance management, all the decisions are taken in the Governing Body meetings.

Principal

The Principal is the head of the institute and supervises the activities which are taking place in the institute under various committees and departments, as per the guidelines and decisions made by the Principal execution and implementation will take place.

Dean

The next level to the Principal is Dean liaisons between the Principal and the Heads of the Departments

Head of the Department

Leads the departments and has autonomy to executes the plans with the support of faculty members to cater the students in fulfilling their academic needs.

Placement Officer

The Training and Placement Officer lead the placement teams and organizes the training activities in soft skills, aptitude and coding, the placement officer keeps track of the changing trend of the employment and opportunities to the eligible aspirants.

Administrative Officer

Administrative Officer plays a major role in the Principal's office, takes care of the administrative related issues, accounts, purchases, maintenance, etc.

In addition to this the college has an in place mechanism to assist students and employees, which includes Student Welfare Cell, Counseling Center, Grievance Redressal Cell, Anti-Ragging Cell, Women Development Cell, Anti-Sexual Harassment Cell, Training and Placement Cell, and Internal Quality Assurance Cell (IQAC). Employees are hired in accordance with the college's recruitment policy, and their performance is governed by the college's service rules. Employees' career advancement in the service is governed by the promotion policy.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	http://acet.ac.in/?p=internalcell&category=&committeename=Internal%20Quality%20Assurance%20Cell#tab8
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The teaching and non - teaching staff play a vital role in the growth of the institute and therefore the college is recognizing their productiveness and acknowledges their needs and requirements. As a result, the institution is implementing various effective welfare schemes. These welfare measures enrich the physical and mental health of the employees and thus promote a dynamic and encouraging work atmosphere. This stimulates the employee productivity and commitment towards the institute. The following list shows the various welfare structures:

1. Children who are all studying in our group of institutions are eligible for a 50% tuition cost reduction.
2. The college has a canteen that serves quality meals at a discounted rate to both teaching and non-teaching personnel.
3. Three sets of uniform per year and other safety gadgets for non teaching staff, security, scavengers, attenders, drivers
4. Group insurance policy to all teaching and non teaching staff
5. Residential Quarters on nominal rent for teaching staff.
6. Provision of exclusive transport facility for teaching and non-teaching staff from various parts of the city.
7. Extension of ESI benefits to non-teaching staff.
8. Rs 10000/- for medical support to the COVID-19 effected faculty.
9. Employee Provident Fund (EPF) is applicable to some of the staff of our college from their date of joining the institution.

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

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

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

145

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

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

28

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

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

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

159

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

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

Institutions Performance Appraisal System for teaching and Non-teaching staff:

The success of any Educational Institution depends on the quality

of its staff- both Teaching and Non-teaching. Together they play a significant role and are the backbone of the Institution. Institutions cannot achieve their goals "Vision and mission" without them. To achieve the targets, the staff need to be motivated towards their work. The Performance Appraisal (PA) is one of the performance management tools that are widely used to measure the productivity of staff in different contexts.

Performance appraisal for teaching staff

The faculty appraisal is undertaken with following objectives:

- To assist teachers in their professional development and career planning.
- To assist teachers to reflect about their potential and to carry out their duties more effectively
- To provide judgment to support promotions
- To provide feedback to staff about their behaviour, attitudes, skills or subject expertise
- To recognise the achievements of teachers and help them to identify ways of improving their knowledge, skills, attitudes and ultimately performance.
- To improve the quality of education for students

In short, it would be utilized as a tool to facilitate growth, development, efficiency and effectiveness of the teaching-learning process in the Institution.

Name, qualifications, experience, subjects taught, results, feedback of the students, pass percentage, mentoring, discipline, conferences/workshops attended, books published, research publications in conferences and journals, administrative responsibilities taken along with the remarks of HOD and the Principal will be considered for the appraisal of teaching staff.

The process of appraisal comprises of two parts:

A. Self-appraisal format to be filled by every faculty.

B. Appraisal by HOD & Principal: This would also involve a review of the self-appraisal documents submitted by the faculty.

Performance appraisal for non-teaching staff:

The employee appraisal is undertaken with following objectives:

- To assist employees to reflect about their potential and to carry out their duties more effectively
- To provide feedback to staff about their behaviour, attitudes, skills or subject-expertise
- To recognise the achievements of employees and help them to identify ways of improving their knowledge, skills, attitudes and ultimately performance.
- To assist employees in their professional development and career planning.

In short, it would be utilized as a tool to facilitate growth, development, efficiency and effectiveness of the administration and facility management process in the institution. Name, qualifications, experience, discipline and responsibilities taken along with the remarks of Lab In charge and HOD will be considered for the appraisal of non-teaching staff.

The process of appraisal comprises of two parts:

1. Self-appraisal format to be filled by every non-teaching faculty
2. Appraisal by Lab In charge and & HOD

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

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling

audit objections within a maximum of 200 words

Internal audits are supervised by qualified Accountants, who ensure that all procedures and criteria established by management are strictly followed in the financial transactions. The accountants also ensure that transactions are recorded in accordance with purchasing processes and that purchases are approved by the appropriate authorities. Accountants conduct procedural transaction and compliance audits and present reports to management with their comments, observations, and recommendations for corrective actions to guarantee proper compliance based on their findings.

Internal and external audits are carried out twice a year and once a year, respectively. The reports of the External and Internal Auditors are reviewed by management and given to the appropriate internal auditors in order to implement the required changes in the areas identified. Aditya College of Engineering & Technology guarantees that correct financial checks and balances are in place, as well as ensuring transactions are properly recorded in books with proper authorization.

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

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

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

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

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

Aditya College of Engineering & Technology being a private institution, the major source of fund is collected in the form of tuition fees from students, examination fees and management contribution for the effective functioning of the Institution. Apart from this any additional expenditure or any deficient funds will be borne by the Sarojini Educational Society. The Institution keeps audit reports in accordance with the State Government's rules.

Tuition fee: The major source of the income for the institution is the tuition fee of the students.

Transportation fee: The transportation fee is collected from the students for providing bus facility to the remote students.

Hostel fee: The students coming from other parts of the state and also from other states and countries are provided with in house hostel facility for both boys and girls in separate buildings.

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

6.5 - Internal Quality Assurance System

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

The Internal Quality Assessment Cell (IQAC) was established in Aditya College of Engineering & Technology in the year 2015 as a post-accreditation quality provisions measure, in accordance with the National Action Plan of the National Assessment and Accreditation Council (NAAC), Bangalore, for performance evaluation, assessment, accreditation, and quality up gradation of higher education institutions. From then onwards IQAC is an integral part of the institution working with a goal towards the development and quality enhancement in various aspects. IQAC is involved in all the college level committees and professional bodies where academic, administrative and student centric programs are in progress.

IQAC plays a major role in the participation of NIRF and also in the other Institution ranking by various organizations like Career 360, T-School survey by Data Quest, The Week survey.

IQAC conducts Institutional Annual Academic Audit and also encourages the faculty to participate in various National & International Conferences and also to attend various development programs conducted by other reputed Institutions. IQAC takes necessary initiatives to encourage faculty members to do the Certifications programs conducted by organizations like NPTEL - Swayam, Coursera, Redhat Academy, Oracle Academy and AWS Academy to improve the quality of teaching.

As one of the best practices IQAC has initiated is the incentives policy to faculty members who have published research articles in Journals with good Impact Factor and also in the Journals which are indexed by Scopus, Web of Science and SCI.

As another best practice IQAC has initiated the culture of publishing research articles by the undergraduate as well as postgraduate students. IQAC also conducts the annual Technical Fest to the students named "VEDA" in memory of Sir Mokshagundam Visweswarayya. As a quality measure IQAC insists the faculty members and students to use the College Learning Management System (MOODLE) and also initiated the policy towards converting the classrooms as ICT enabled classrooms.

IQAC also initiated the culture of Startups and Entrepreneur Development among the students. Startups like 3Dclix, Karanam Technologies, Agumentik, Picshorts Pvt. Ltd have evolved from our College.

IQAC also initiated the student Internship program in the Institution to the students of 2nd and 3rd year, so that the students are exposed to the real time challenges in the industry and there can be drastic change in the thinking ability of the students.

IQAC has initiated an activity towards enhancing skill sets of students of all programs by making them to participate in the programs conducted by Andhra Pradesh State Skill Development Corporation (APSSDC) and also an MoU is signed between our College and APSSDC, in addition to this another MoU is also signed between our College and Centre of Excellence in Maritime and Shipbuilding (CEMS).

Prepares the Annual Quality Assurance Report (AQAR) to be submitted to NAAC based on the quality parameters. Through all these measures IQAC happens to be one of the important components of the College driving towards the quality enhancement.

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

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

Teaching Learning Process

Aditya College of Engineering & Technology is affiliated to JNTUK, Kakinada. The University revises the regulation every three years and as per the regulations, the University releases Course structure and syllabus for each Undergraduate and Postgraduate programmes. Based on the syllabus released by the University, the Principal in association with Head of the Departments, IQAC, Academic Committee and Examination Committee will initiate a meeting to identify the changes in the new regulation in comparing with existing regulation. If any emerging courses are introduced, based on the requirements, the respective department has to initiate a Faculty Development Program (FDP). The Head of the Departments are instructed to complete the subject allocation based the priorities given by the faculty members.

Structures & Methodologies of operations

All the faculty members have to prepare their lesson plan, course file before the commencement of the class work. The faculty members have to adopt teaching pedagogy which includes - Chalk & Talk, animations, slides, videos, web links, charts, models etc. During the semester, fortnight report on syllabus status is collected and a review meeting will be conducted by the Head of the Department to ensure uniform coverage of syllabus if required. The internal question papers are audited regularly in the department. Course end feedback is collected from all the students on the content, coverage and evaluation of answer scripts for each course. The ICT facilities are reviewed from time to time for its improvement. The students are encouraged to join and complete

Certifications from reputed organizations such as NPTEL, HackerRank, Coursera etc.,

Learning outcomes

The institute adopted Outcome-Based Education (OBE) and prepares Course Outcomes (CO), Program Outcomes (PO), and Program Specific Outcomes (PSO) for each programme. The JNTUK's Course Outcomes have been examined and will be amended to ensure that the syllabus's components are met. Students provide Course End Feedback and Programme Exit Feedback in order to improve the course content, delivery mechanism, and evaluation system. At the end of the semester, each course's attainment is calculated, and the Program Outcomes are then mapped and evaluated. These evaluations are helpful in providing the course with the necessary modifications for the following semester.

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

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

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	http://acet.ac.in/acet/All_commitees/AnnualReports/20_21/ATR20_21.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

"Gender refers to socially defined roles and behaviors for men and women. Gender equality is a basic human right and described as 'all human beings are born equal'. It means that everyone, whether born as male, female or intersex, should be able to develop their full potential and live in freedom and dignity".

Internal Complaints Committee (ICC) has been constituted in ACET with 9 members where Mrs.A.R.Vasantha as presiding officer, 2 female teacher as coordinators, 1 NGO member, 1 female and 1 male non teaching staff as members and 2 girl students 1 boy student as members to associate the functions of Prevention of Sexual Harassment, Counseling, Grievance Redressal and Women empowerment for promoting gender sensitivity (URL: <http://www.acet.ac.in/?p=ICC>).

In 2020-2021 ACET conducted 8 programs for women staff and students for promoting gender equity. 5 awareness Programs conducted on "Conflict Management", "Yoga for stress management and women health", "Cancer Awareness in Women", "Prevention of sexual abuse" and "women safety at workplace". 2 Quiz programs on "Disha App" and "Young girls achievements" are conducted. 1 Essay writing program conducted on "The impact of Covid-19 on survivors of conflict related sexual violence".

File Description	Documents
Annual gender sensitization action plan	http://www.acet.ac.in/includes/committees/attachments/AAP20-21.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	http://www.acet.ac.in/?p=Gender_Equity_Facilities

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

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

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

1. Solid waste management:

The institute has 20 members team for housekeeping. Every day they regularly collect an average of 120 kg solid waste from dust bins placed on the campus include departments, administrative-office, canteens, hostel, and guest houses. The whole waste is segregated that can be used for composting which is dumped for vermicomposting. Vermicomposting unit requires biodegradable waste to convert as fertilizer that will be used for plants. Aditya promotes digital platforms to reduce usage of paper for communication and sharing documents.

2. Liquid Waste Management:

The liquid wastes generated in the campus include Sewage, Laboratory, hostel, and canteen effluent waste. The above waste is treated through a Pond set up in the institute with a capacity of

more than 95000 Kiloliters per day. The laboratory wastewater does not contain hazardous chemicals and periodical monitoring is done by maintenance team.

3. E-Waste Management:

Electronic minor repairs are set right by Laboratory assistants and major repairs are handled by Technical Assistant and are reused. ACET has entered MoU with ELECTROPRO SYSTEMS. which buys our damaged computers and other non-reparable e-waste.

4. Waste Recycling: Solutions for recycling.

- Electronic devices major repairs are handled by our technical assistants and reused.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways

4. Ban on use of plastic 5. Landscaping	
File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File
7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

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

ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY - NSS Unit with registered number 90214409 in collaboration with JNTUK Kakinada organized and conducted various extension activities to promote social awareness, social responsibility, constitutional responsibility, Health Camps, conduct rallies, contribution to environmental protection, Swachh-bharat, focus on Gender equity and women empowerment in the college-neighborhood-community.

In order to bring awareness in the society, to enlighten and remind the responsibilities that an individual and citizen of our country, the NSS unit of ACET took initiative to conduct programs in college premises and nearby villages, schools and public places.

The NSS UNIT conducted total number of 13 programs in providing inclusive environment for the AY 2020-2021 in collaboration with 09 government and 05 NGOS in and out of the campus. 2198 students took active role in all the 13 programs of 2020-2021.

In 2020-2021 AY, Charity events-04, Socio Economic -01, Environment-02, Gender equity-01, Health events-06 no. of programs has been organized by NSS unit of ACET.

NSS UNIT always stands in forefront to serve society, environment, humanity for a peaceful and harmonious life by conducting charity programs.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

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

ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY - NSS Unit with registered number 90214409 in collaboration with JNTUK Kakinada organized and conducted various extension activities to promote social awareness, social responsibility, constitutional responsibility, Health Camps, conduct rallies, contribution to environmental protection, Swachh-bharat, focus on Gender equity and women empowerment in the college-neighborhood-community.

In order to bring awareness in the society, to enlighten and remind the responsibilities that an individual and citizen of our country, the NSS unit of ACET took initiative to conduct programs in college premises and nearby villages, schools and public places.

The NSS UNIT conducted total number of 07 programs in sensitizing the students and employees of the institution for the AY 2020-2021 in and out of the campus. 1714 students took active role in all 07 programs of 2020-2021.

In 2020-2021 AY, events on duty of citizens-02, responsibility -02, event of values-03 no. Of programs has been organized by NSS unit of ACET.

NSS UNIT always stands in forefront to serve society, environment, humanity for a peaceful and harmonious life by conducting charity programs.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	http://www.acet.ac.in/acet/All_commitees/2020-2021%20FINAL%20PDF.pdf
Any other relevant information	http://www.acet.ac.in/?p=NSS_Gallery&y=2020-21

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

A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

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

NATIONAL FESTIVALS:

Events like Independence Day, Republic day, in a year are celebrated on ACET with a motto of promoting Nationalism & Patriotism in the students. Every year these days are celebrated

on campus which makes the student community to inculcate a feeling of attachment and commitment to a country, nation, or political community. and understand the sacrifices made by our great freedom fighters.

IMPORTANT DAYS:

Teacher's Day, Women's Day, Engineer's Day, is celebrated on campus to pay tribute to great personalities and also to appreciate the contributions of these famous personalities. This stands as a platform to the students to identify their roles and responsibilities. Women's day is celebrated to witness a Woman's success and raising awareness against bias. Engineer's day is celebrated in remembrance and tribute to Mokshagundam Visvesvaraya, who is considered as one of the greatest engineers in the country. It creates a spirit among students that Engineers play a vital role in the development of a nation.

NATIONAL INTEGRATION:

ACET, celebrates Days like Rashtriya EKTA DIWAS, INTERNATIONAL STUDENT'S DAY, INTERNATIONAL GIRL CHILD DAY, which holds importance and eliminates certain challenges as students they face around the world.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

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

Best Practice-I

Enrichment of Employability & Entrepreneurship Skills

Aditya College of Engineering & Technology (ACET) provides skill development and campus recruitment training programmes for the students from first year. It also encourages students to join NPTEL and APSSDC courses. It gives an opportunity to students to enhance their knowledge, core and soft skills to carve their future.

1.Problems encountered and Resources required

Most of the students are from rural background find complexity in understanding spoken language of the trainers. Special classes are conducted to enhance the communication skills of the students.

Best Practice -II

Student Support System (S3)

The uniqueness of the student support system in Aditya college of Engineering & Technology (ACET) is to reduce the gap between student and faculty not only improving in academics but also in placements. Both of them will collaborate and produce fruitful results for the development of the institute.

For a teacher the growth of the student is happiness and success. This process is truly a job satisfaction. The evidence of success for student service system is reflected in overall development of students in the college.

File Description	Documents
Best practices in the Institutional website	http://www.acet.ac.in/acet/All_commitees/Best_2020-21.pdf
Any other relevant information	http://www.acet.ac.in/includes/committees/images/information%20revlant.pdf

7.3 - Institutional Distinctiveness

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

1. Platform for Placements

Aditya college of Engineering and Technology has made its flag flying high with its impeccable placements. It stands as the leading edge empowering its student to be an employee during the completion of the course. Besides, academics it provides training to students through various off line and online programmes via industry institute collaboration platforms. It nurtures and helps students develop Technical, Logical, Analytical and Verbal skills. A proud number of 592 students with 94.11 percent were placed in leading soft ware and core companies visited the campus.

2. Digital Suite - Academics and Administration

Taking the leading edge to bridge the gap in the teaching and learning process our institution is committed to excellence encouraging quality teaching-learning, research, training and assessment through Digital Suite that has LMS, Digital Content videos, Moodle, Microsoft Office 365, E-Cap, Grievances portal and Online payment policy. The suite facilitates the students to gain knowledge in multiple disciplines and leverage technical skills, accesses to send and receive information, complaint grievances and hazard free fee payment. Further, the institutions always drives in par with technology to support the student and teacher fraternity and create a studious and safe environment.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

WORKING TOWARDS VARIOUS ACCREDITATIONS LIKE NAAC & NBA.

WORKING TOWARD IMPROVING RESEARCH PROFICIENCY SO AS TO PARTICIPATE ACTIVELY IN NIRF.