



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		ADITYA ENGINEERING COLLEGE
Name of the head of the Institution		Dr. M. Sreenivasa Reddy
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08842326202
Mobile no.		9866576662
Registered Email		principal@aec.edu.in
Alternate Email		office@aec.edu.in
Address		Aditya Nagar, ADB Road.
City/Town		Surampalem
State/UT		Andhra Pradesh
Pincode		533437
<b>2. Institutional Status</b>		

Autonomous Status (Provide date of Conformant of Autonomous Status)	08-Mar-2017
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr Rayudu Srinivas
Phone no/Alternate Phone no.	08842326202
Mobile no.	7036266664
Registered Email	dean_sb@aec.edu.in
Alternate Email	srinivas.rayudu@aec.edu.in

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.aec.edu.in">https://www.aec.edu.in</a>
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### 4. Whether Academic Calendar prepared during the year

Yes

if yes, whether it is uploaded in the institutional website:  
Weblink :

<http://aec.edu.in/?p=Academic-Calenders>

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.11	2015	01-May-2015	31-Dec-2022

### 6. Date of Establishment of IQAC

15-Nov-2011

### 7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Zero failure rate	01-Feb-2020 365	4666
Identification of Students Projects for	01-Feb-2020 365	227

real time implementation in the campus		
Plan to conduct Workshop/Seminar on IPR, Gender Equality, innovative practices	12-Jul-2019 365	4666
Plan for training in domain areas as well as for placements	12-Mar-2020 365	4666
No Files Uploaded !!!		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	5
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No

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

1. Conducted training programs in domain areas as well as for placements 2. Motivated the faculty and students to register for NPTEL/SWAYAM online course. 3. Orientation programmes were conducted for faculty on how to perform Bibliometric analysis using SCOPUS database. 4. Conducted training programs to inculcate research culture in students groups 5. Revised incentives given to the faculty for research publication, Research projects

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

Plan of Action	Achivements/Outcomes
Plan for training in domain areas as well as for placements	Suggested strategic plan to Technical Hub (In house Training Department) to provide training to students in various emerging technologies as per the requirement of the industry.
Plan to conduct Workshop/Seminar on IPR, Gender Equality, innovative practices	Seminars were conducted by eminent speakers from reputed institutes
Identification of student projects for real time implementation in the campus	Real time projects fulfilling requirements in the campus are identified. Based on the requirement, projects are categorized as follows: 1. Core discipline projects 2. Interdiscipline projects. From the beginning of 5th semester onwards students are motivated to take up and work on projects. Project review committee is formed to regularly assist and monitor the project work progress.
Zero failure rate	Module wise coordinators are appointed. Unit wise important questions were made available to students. Revision sessions are planned before 1 week of commencement of examinations. Slow learners are assisted with makeup classes
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Academic Council	31-Oct-2020

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

Yes

Date of Visit

20-Mar-2015

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2019

Date of Submission	30-Sep-2019
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The College is using ECAP for maintaining student attendance, results, fee payment details, faculty data and salaries information. Key Highlights are: 1. Online attendance system 2. Biometric for faculty attendance 3. Information about students to their parents through SMS using MIS 4. Online feedback System using MIS

### Part B

#### CRITERION I – CURRICULAR ASPECTS

##### 1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	Nil	Nil	Nil
<a href="#">View File</a>			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

##### 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	Structural Engineering	20/07/2019
BTech	Agricultural Engineering	20/07/2019
BTech	Petroleum Technology	20/07/2019
BTech	Mining Engineering	20/07/2019
BTech	Information Technology	20/07/2019
BTech	Computer Science and Engineering	20/07/2019
BTech	Electronics and Communication Engineering	20/07/2019
BTech	Mechanical Engineering	20/07/2019
BTech	Electrical and Electronics Engineering	20/07/2019

BTech	Civil Engineering	20/07/2019
<a href="#">View File</a>		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CE	20/07/2019
BTech	EEE	20/07/2019
BTech	ME	20/07/2019
BTech	ECE	20/07/2019
BTech	CSE	20/07/2019
BTech	IT	20/07/2019
BTech	PT	20/07/2019
BTech	Min.E	20/07/2019
BTech	Ag.E	20/07/2019
Mtech	Software Engineering	20/07/2019
Mtech	VLSI Design	20/07/2019
Mtech	Embedded Systems	20/07/2019
Mtech	Computer Science & Engineering	20/07/2019
Mtech	Structural Engineering	20/07/2019
Mtech	Power Electronics & Drives	20/07/2019
Mtech	Thermal Engineering	20/07/2019
Mtech	Petroleum Engineering	20/07/2019
MBA	Master of Business Administration	20/07/2019
Integrated(PG)	Integrated Master of Business Administration	20/07/2019
MCA	Master of Computer Applications	20/07/2019

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View File</a>		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View File</a>		

### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

<p><b>Feedback Obtained</b></p> <p>The Educational System seeks to fulfil the requirements of the learners by meeting their demands. Faculty Peer Groups and the students are continuously involved in safe guarding the interests of the educational processes and maintenance of standards. The functioning of feedback mechanisms infuses confidence among both faculty and students, increased active participation, mutual trust and has given a fillip to educational commitment and optimism. Feedback system is used to facilitate quality sustenance and improvement measures in the instruction and curriculum design processes. The students can share their feedback online (both on instruction and courses) for all courses that they have registered during a semester. The feedback is reviewed and communicated to the faculty members. This helps faculty members to improve their teaching practices and make necessary changes in course content. Feedback in the form of questionnaire for all Lecture, Tutorial and Practical classes are made before comprehensive examination. The analysis is shared before the commencement of the ensuing semester with all the faculty members through Head of Department (HOD). This method helps the faculty members to take measures in teaching and curriculum design. Direct feedback from student volunteers is taken and maintained by ID. The student volunteers are required to discuss with their friends (i.e. juniors, peers and seniors) in collating the feedback. These are then shared with the departments to take necessary action for enhancing the quality of the curriculum. Both manually and online feedback is collected from all the stakeholders. The online feedback mechanism is used to take feedback from students, parents and teachers. The feedback from students is analyzed course-wise, year-wise, department-wise. The average feedback of the college is calculated and compared with department-wise and individual. The faculty members are appreciated if they got good feedback, and orientation is given for the faculty members who got less feedback.</p>
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**CRITERION II – TEACHING- LEARNING AND EVALUATION**

**2.1 – Student Enrolment and Profile**

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
<b>No Data Entered/Not Applicable !!!</b>				
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**2.2 – Catering to Student Diversity**

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution	Number of fulltime teachers available in the institution	Number of teachers teaching both UG and PG courses

			teaching only UG courses	teaching only PG courses	
2019	4330	336	206	31	48

## 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
285	285	7	88	5	5

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

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

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

In order to resolve the academic, personal or interpersonal issues of the students, a proctoring system is established in our college in which, mentors are appointed for batch of 17 students and they will proctor the respective students twice in a month. Proctoring is an important aspect for the students of current technological generation as individual mentor may remain in contact with all individual students as well as parents. Objectives of the practice followed by the department: · To monitor the students regularity and discipline. · To maintain the complete information of the students along with their academic records. · To enable the students to know about the performance regularly. · Improvement of teacher - student relationship. · Counseling the students regarding academics and provide support to improve their quality of education. · Guiding students to choose right career path/ Higher education/ Entrepreneurship, etc.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4666	273	1:17

## 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
285	285	Nil	50	35

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
<b>No Data Entered/Not Applicable !!!</b>			

[View File](#)

## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
<b>No Data Entered/Not Applicable !!!</b>				



[View File](#)

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
902	6937	13

## 2.6 – Student Performance and Learning Outcomes

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

<https://aec.edu.in/?p=Outcomebased%20Education>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
<a href="#">View File</a>					

## 2.7 – Student Satisfaction Survey

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

<https://www.aec.edu.in/?p=IQAC>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Nill
<a href="#">View File</a>

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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### 3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding	Total grant	Amount received
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		agency	sanctioned	during the year
<b>No Data Entered/Not Applicable !!!</b>				
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

1
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### 3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
A two day workshop on DOCUMENT PREPARATION USING LATEX	ECE	03/07/2019
A One week workshop on Basics of PLC	ECE	23/09/2019
A Three Day workshop on AR VR using Build Box	ECE	10/09/2019
A One week workshop on AWS Associate Cloud Architect	ECE	16/12/2019
A One week workshop on AL VR Fundamentals	ECE	10/02/2020
A One week workshop on Internet of Things	ECE	16/03/2020
Two day Workshop on Software Testing Tools	IT	28/06/2019
One day workshop on Research Methodology	IT	03/06/2019
Role of IPR in innovative management and academia industry collabaration	AG	16/07/2019
Seminar on Role of reservoir engineering in oil and gas	PT	22/08/2019
Seminar on Developing Non-Technical Skills	PT	26/06/2019
Seminar on Well Logging Principles and Applications	PT	04/07/2019
Seminar on Overview of drilling technology for land and offshore operations	PT	21/08/2019
One day workshop on IPR	CSE	04/12/2019
One day workshop on Research Methodology	CSE	06/05/2020

One Day Workshop on IPR	CIVIL	04/02/2020
One day workshop on Overview of Patents	EEE	04/03/2020
<a href="#">View File</a>		

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
One Student One Dream Initiative	Aditya Engineering College	AICTE	03/12/2019	Residential Colleges-AICTE
Second Rank in Utkrisht Samsthan Viswakarma Award 2019	Aditya Engineering College	AICTE	24/02/2020	Growth and Development
Third Rank in Swachh Campus Ranking	Aditya Engineering College	MHRD	03/12/2019	Residential Colleges-AICTE
Young Scientist	Dr.U.Rajyalakshmi	V South Asian Education Awards, Education Expo	25/01/2020	Research
IARDO Educators Awards 2018	D V V S B Reddy	IARDO Pune	02/01/2019	Education
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### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

## 3.4 – Research Publications and Awards

### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
CSE	1
EEE	1
ME	1
Min.E	1
Ag.E	1
Mathematics	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
<a href="#">View File</a>			

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
MECH	3
CSE	1
ECE	1
No file uploaded.	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
<a href="#">View File</a>			

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
<a href="#">View File</a>						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
<a href="#">View File</a>						

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

Number of Faculty	International	National	State	Local
Presented papers	21	Nil	Nil	Nil
<a href="#">View File</a>				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
CE	MATERIAL TESTING	PRIVATE CONSTRUCTION COMPANIES	10000
CSE	TCS ION	TCS	1114921
CE	TESTING OF BRICKS FOR SAI BRICK WORKS	SAI BRICK WORKS, H.no 2-72/1, Peddapuram, E.G District Andhra Pradesh.	25000

CE	Mix Designs of for CC Road and Drains	Patel Infrastructure Pvt. Ltd., Vijayawada, Andhra Pradesh.	50000
CE	Testing of Concrete cubes	Cubatic Arte Construction Company in Rajahmundry, Andhra Pradesh-533107	40000
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### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
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### 3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
<a href="#">View File</a>			

#### 3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
No file uploaded.			

#### 3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
No Data Entered/Not Applicable !!!				
No file uploaded.				

### 3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Research	Students of Agriculture and ECE departments	Aditya Engineering College	60
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#### 3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research

facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Tessolve semiconductor Private Ltd. Electronic City, Bangalore.	24/06/2019	Job Training	12
Applied Robot Control 1.0 (Indo European Skilling Centrefor Mechatronics and Industrial Robotics)	02/07/2019	Job/Skilled Training	80
Applied Robot Control 2.0 (Indo European Skilling Centrefor Mechatronics and Industrial Robotics)	02/07/2019	Job/Skilled Training	16
Micro Chip	23/07/2019	MPLAB® X IDE	540
ORACLE	28/04/2020	Job Training	240
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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
355	355

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar Halls	Existing
Laboratories	Existing
Campus Area	Existing

Classrooms with LCD facilities	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing
<a href="#">View File</a>	

#### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
E-CAP	Fully	4.0	2005

##### 4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

##### 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

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

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1285	17	350	2	1	1	12	350	0
Added	150	0	150	1	0	0	0	150	0
<b>Total</b>	<b>1435</b>	<b>17</b>	<b>500</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>12</b>	<b>500</b>	<b>0</b>

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

500 MBPS/ GBPS
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##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Digital studio setup existed in	<a href="http://aec.edu.in">http://aec.edu.in</a>

college for preparation of e-Resources  
and digital content

#### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
40	62	60	80

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

**Institutional Maintenance Response:** The Institution has appointed staff for maintaining facilities such as Buildings, Transport, Electrical, Housekeeping, Garden etc. Regular cleaning of College floors, classrooms, laboratories, equipment, and rest rooms are being done by the housekeeping team under the supervision of a floor in-charge. Stock verification and up-keeping of the equipment in all laboratories and other facilities is done at the end of every year by Lab In-charge and the report is submitted to the Principal through the concerned HOD for further action. **Maintenance of Laboratories:** All laboratories are effectively used by the students as per their time table during the college hours and can also be availed even after the college hours. Lab Attendance register, stock register, Invoice files and purchase bills are maintained for each lab. **Maintenance of Library:** The institution has a Librarian, who monitors the procurement and regular follow ups to ensure effective utilization of library and maintains all reference books, articles, textbooks, magazines, competitive examination books, journals, e-books, e-magazines and e-journals and E-Cap software is used for the maintenance of books. **Maintenance of Sports Facilities:** Maintenance of sports facilities preparation of ground for various other sports including Kabaddi, Kho-Kho, volley ball, basket ball etc is maintained by the Physical Educational Director in regular intervals. **Maintenance of sports facilities** preparation of ground for various other sports including Kabaddi, Kho-Kho, volley ball, basket ball etc is maintained by the Physical Educational Director in regular intervals. **Maintenance of Computers:** The Department of Computer Science and Engineering is responsible for the maintenance of the computer systems and other IT equipments such as Projectors, Printers, Photo Copier machines, Scanners, Servers, Bio-metric machines etc. A UPS backup facility is provided against power failures and other related faults to avoid any damage during power outages. Internet connectivity with a total of 100 Mbps band width is provided. **Class Rooms:** Institution has a supervisor who regularly maintains the boards, benches, fans and lights. The black board, benches and windows are cleaned everyday by housekeeping staff. HOD and class In-charges meet once in a week and review the maintenance of the class rooms. **General Maintenance and Cleanliness:** Cleanliness of wash rooms, staff rooms, corridors, library, computer labs etc., are maintained by the in-house employees. All maintenance related issues are reported through a maintenance register maintained by the in-charge. **Maintenance of Electricity:** The institution has installed a 500 KVA transformer, 160 KVA generators, which is a diesel generator. The diesel generator gets serviced twice a year for effective functioning. We also use Solar System equipment. **Maintenance of Transport:** The institution has appointed transport in-charge who is looking after the maintenance of vehicles and also allotting the routes considering the number of students and faculty travelling from various locations to ensure safe and comfortable travel. The transport in charge is responsible to maintain vehicles and obtains necessary clearance certificates, insurance, and permits from the



RTA. Water Plant: Regular Check-up and maintenance will be carried out by the Supervisor for providing fresh and filtered water.

<http://aec.edu.in>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	MERIT SCHOLARSHIPS	299	5312200
Financial Support from Other Sources			
a) National	Fee Reimbursement Scheme -Government of Andhra Pradesh	2791	186966200
b) International	Nil	Nil	Nil

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
<b>No Data Entered/Not Applicable !!!</b>			

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
<b>No Data Entered/Not Applicable !!!</b>					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
3	3	5

### 5.2 – Student Progression

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

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
67	765	446	6	630	91

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	B.Tech	CE	NICMAR - HYD	Postgraduate, Quantity Surveying (QS)
2020	1	B.Tech	CE	NICMAR-PUNE	Postgraduate, Advanced Construction Management (ACM)
2020	1	B.Tech	CE	IIT Bombay	M Tech, Construction Technology and Management (CTaM)
2020	1	B.Tech	CE	JNTUK	M Tech, Environmental Engineering
2020	2	B.Tech	CE	Pydah college of engineering	M Tech, Structural Engineering
2020	1	B.Tech	CE	Nit silchar	M Tech, Structural Engineering
2020	1	B.Tech	EEE	JNTUK KAKINADA	M.Tech
2020	1	B.Tech	ECE	JNTUK, Kakinada	MBA
Nil	2	B.Tech	ME	PCE-JNTUK	M.Tech
Nil	1	B.Tech	ME	ADITYA ENGINEERING COLLEGE, SURAMPALEM	M.Tech.

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
SET	5
GATE	6
CAT	1
GRE	3
Any Other	20

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

Activity	Level	Number of Participants
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View File</a>		

**5.3 – Student Participation and Activities**

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
<b>No Data Entered/Not Applicable !!!</b>						
<a href="#">View File</a>						

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

Student Active Council The college constitutes "Students Council" for every academic year. At least two meetings of the students? council are organized every year. The student's council involves Chairman, faculty and student members. 1 Principal Chairman of the Student Council 2 A Lecturer nominated by the principal Member 3 NSS Programme Officer Member 4 The Director of sports and physical education Member 5 One Student from each class with academic merit at the examination held in the preceding year and engaged in full-time study in the college, nominated by the Principal Member 6 One student showing outstanding erformance in each activity of Sports, NSS, NCC and ultural Activities, nominated by the Principal Member 7 Two female students nominated by the Principal Member 8 Two students nominated by the Principal (SC/ ST/ NT/ DTNT/ OBC) Member The activities and functions of the students' Council • Monitors various academic and socio-cultural events in the college. • Maintain overall discipline in the campus. • Act as a facilitator between the students and college. • Coordinate all extracurricular activities and annual festival of the college. • Raising funds whenever there is need to fulfill social responsibility. • Plays a significant role as volunteers in conferences, workshops, sports events and other functions. The representative students play an active role in the activities and the decisions taken by different committees of the college. There is the development of leadership qualities, confidence, sense of responsibility and active participation among the students. The increase in communication and healthy dialogue is witnessed after this initiation. Student's council is given the representation in the working committees of the college. The following are some of the committees which come under the preview of Student Active Council. List of the Student Committees 1 Academic Committee 2 Alumni Coordination Cell 3 Anti Ragging Committee 4 Canteen Committee 5 Career Counselling Cell 6 Cultural Committee 7 Eco Club 8 Entrepreneurship Development Cell / Incubation Center 9 Ethics Committee 10 Health Club 11 Hostel Committee (Hostel Students Only) 12 ICT / LMS / E Resources Committee 13 Language Club 14 Library Committee 15 NSS 16 Publication Committee 17 Sports Committee 18 Training Placement Cell 19 Transport Committee 20 Website Committee 21 Prevention of Sexual Harassment 22 Grievance Redressal Committee 23 Women Empowerment Website Link: <https://www.aec.edu.in/#>

**5.4 – Alumni Engagement**

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Aditya Alumni Association (AAA) is registered with 30 members initially. It is functional from then, highly proactive and greatly supportive for the wellness of the institute and the students. It has a governing body with President, Vice president, Secretary, Treasurer and General Secretary. It is, in fact, an undeniable fact that the success of any educational institution depends on the success of its alumni. The contributions and the involvement of the alumni can significantly increase the reputation of the Institution nationally and internationally. Aditya feels proud of its Alumni association which extends its direct and indirect help to the management and to the students through various means. We proudly call them our ambassadors. Top alumni are placed in prestigious companies like, CGI, TCS, INFOSYS, Tech-Mahindra, Caliber Technologies, Amazon Ltd etc., and most of them are imparting their services in prestigious positions. We proudly proclaim that they are tailor made according to the vision and mission of our institution. The alumni association contributes significantly through financial and non-financial means. They provide structured feedback about the syllabus, exam patterns and infrastructural facilities offered by the institution and the valid suggestions are implemented. An alumni meet is very prestigiously conducted annually, where in the passed out graduates from UG PG courses of all the departments can get together under the same roof spending some useful and fruitful time sharing their lessons and experiences from campus life to career life - their joys and sorrows, their trials and tests, their efforts and results and their success and failures in searching and reaching professional arenas and avenues. This meeting will purely be an interactive, explorative and very enlivening. Enthusiastic professionals, highly knowledgeable project leads and heads, successful entrepreneurs, upcoming industrialists, employees working with MNCs in India and abroad from the alumni are devotedly invited to talk on their success stories and victorious achievements and great accomplishments, thus, standing as an impetus to the budding engineers. Alumni help their juniors by creating awareness about the job opportunities accessible in the present world and creates awareness about the strategic methods to meet the necessities of diverse competitive exams like GRE, TOFEL, and other job oriented exams like RRB, SSC, Public service commission's, special scholarships and free ships. Especially, alumni staying in abroad motivate other students to find their opportunities in other countries. The association assists economically poor students with financial aid and by giving meritorious awards through NGOs like Sadhya foundation, Helping hands etc. in which the Alumni Association is actively involved. The members of the alumni assist the final year students to get their projects, placements or summer internships in their companies. This is the more possible and probable way, the regular alumni meets pave the way for the sure and successful placement of the students.

5.4.2 – No. of registered Alumni:

700

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

January 9, 2020

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

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

The academic and administration responsibilities have been well segregated

among the faculty members and non-teaching staff. At the core of this decentralized process, is the statutory Staff Council in which the entire teaching faculty, are the members. The institute has constituted various committees, Cells and Clubs for carrying out any specific tasks and the smooth functioning of the academic, institute's infrastructure and administrative work of the institute. 1. The constitution of Dean, various committees and the delegation of authority and responsibilities to the members and Conveners of the various committees ensure a decentralized method of functioning. Institute has various deans such as Dean for Administration, Academic, RD, Student affairs. And also there are nearly 28 committees which undertake various college activities. Some of the important committees of the Staff Council are: Admission Committee, Alumni Committee, Anti Ragging Discipline Committee, Building and Works Committee, Canteen Committee, Committee for Academic Administrative Audit, Committee for Consultancy Activities, Committee for Feedback System Appraisal System, Committee for ICT-LMS-ILMS-e-resource, Committee for IQAC, Committee for SC-ST, Committee for Statutory Bodies, Committee for Training and Development, Career Counseling and Placement, Committee for Women Grievance Redressal/Anti Sexual Harassment/Women Empowerment, Counseling Committee, Cultural Committee, Examination Committee, Health Committee, Hostel Committee, Industrial Advisory Board, Library Committee, Publication Committee, Purchase Committee, Research Committee, Sports Committee, Student Council, Student-Grievance-Redressal-Committee, Website Committee. Also, the staff association is consulted for making important decisions pertaining to the college. 2. The college also has Clubs, Cells and Society such as Project Hub, Infosys Campus Connect, MOOCs Online Course, Project Clubs, IoT Hub, ECO Club, Photography Video Club, Entrepreneurship Development Cell and ISTE Chapter that are actively involved in several programs. It is ensured that there is all round participation of students and leadership and organizational activities is encouraged in the societies by giving them formal responsibilities. Faculty members are responsible for supervising and managing the routine activities of these bodies. Committee members first prepare the programs, plan of action, schedule, budget, and additional requirement if needed. The proposal/requirement is forward to principal for approval through Dean. The principal verify the proposal/requirement with Audit committee. If the budget is less than five thousand it is forward to account section or if the budget is more than five thousand then it is forward management for financial support. After the budget is sanctioned by management further it is utilized for departments, institute, infrastructure and various activities development.

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

Yes

## 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Research and Development	RD cell is functional with several activities in co-ordination with all the departments for submitting research project proposals, providing research incentives to the faculty, co-ordinating activities of Aditya Global Business Incubator, students funded projects, IPR Patents. New incentive policy is introduced to encourage quality research publications.

Examination and Evaluation	Our college has established a full fledged examination section headed by Dean-Evaluation. A sufficient space is available for confidential section and also for preserving examination scripts of 4 academic years
Teaching and Learning	Teachers are given freedom to design their own style of teaching methodologies meeting the requirements of OBE. They conduct continuous assessment of students through class tests, assignments, seminars and quizzes. During the COVID-19 pandemic teaching learning activities were conducted online through Microsoft Teams in order to ensure continuous learning activities. Webinars by experts were held for both teaching and student fraternity. Digital pads were provided to teachers to facilitate online teaching.
Curriculum Development	All the faculty are actively involved in developing the curriculum and it is approved by BOS and the syllabi of all departments is ratified by Academic council. In both the committees professors of IITs and NITs, Industry experts, Parents, Alumni are present and under their guidance syllabus is prepared.
Library, ICT and Physical Infrastructure / Instrumentation	Collaboration with Pearson and McGraw Hill for providing e-copies of text books to the students.
Human Resource Management	The college has HR policy in place and offers PF, Medical Accidental insurance to all teaching and non-teaching staff. Children of employees are provided with concession in school fee (Schools owned by Aditya group). Subsidized canteen and free transport facility is provided for all the employees.
Industry Interaction / Collaboration	Industry experts are members in BOS and academic council and advise on various recent trends in industry thus bridging the gap between industry and academics. Internal training department Technical Hub offers several courses to make the students industry ready.
Admission of Students	Admission process is done according to the guidelines of state board of higher education. A category seats are filled through EAMCET counselling conducted at state level and B category seats are filled through entrance exam

conducted at college level based on merit. PIO quota seats are filled with foreign students.

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

E-governance area	Details
Planning and Development	Microsoft Teams software is used to conduct online meetings regarding planning and development.
Administration	General administration is done through ECAP software.
Finance and Accounts	Tally-ERP and ECAP are used by accounts department.
Student Admission and Support	ECAP software is used for admission process and further student support. The same is used for student attendance and proctoring
Examination	BEES software is used to track students performance in examinations from I to VIII semester

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
<b>No Data Entered/Not Applicable !!!</b>						
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
50	50	11	11

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
EPF, Medical Insurance, Accident Insurance, Children of employees are provided with concession in school fee (Schools owned by Aditya group). Subsidized canteen and free transport facility is provided for all the employees.	EPF, Medical Insurance, Accident Insurance, Children of employees are provided with concession in school fee (Schools owned by Aditya group). Subsidized canteen and free transport facility is provided for all the employees.	Merit Scholarships, In-house First aid facility

### 6.4 – Financial Management and Resource Mobilization

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

To maintain credibility in the audit process, Aditya Engineering College conducts both internal and external financial audits regularly. **INTERNAL AUDIT:** Internal audit is very crucial for smooth functioning of an organization which brings trust and transparency amongst the stake holders. Prior to internal audit awareness and orientation programme is conducted about the importance of internal audit where all the internal audit committee members such as Management personnel, Principal, Deans, HODs and Account department personnel participate. Apart from employee salaries, Infrastructure development, laboratory development, Research activity expenses, student activities and programmes are discussed in detail in the audit meetings. Every year before one month of start of academic year, budget forms are sent to all HODs. These budget forms include forecasting Laboratory expenses, expenditure on conferences, workshops and seminars, organizing FDPs. It also includes Incentives for publications as well as rewards for best researcher. Budget also covers Library expenses, I.T. Expenses, Stores and Power bills, Municipal taxes and University fees. Budget also covers expenses for cognitive and physical development activities related to students. Yearly budget is made taking into account suggestions of Members of Academic council. Once budget is allocated, it is periodically monitored by HODs, Account department and Principal. If any discrepancies found in the Audit process brought to the notice of the management. **EXTERNAL AUDIT:** The external audit unlike the internal audit process does not require members employed in the organisation rather the audit is done by external independent team headed by authorized agency. Being an unbiased party, external audit brings more transparency in the financial processes. They closely observe the allocated amounts and incurred expenditure against different heads. They not only check the authenticity of bills provided but also check the supporting documents. External audit is carried out once in a year. Annually External audit is also done by the State Govt. Bodies for deciding the yearly tuition fee to be paid by the Govt. for eligible students.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
ADITYA ENGINEERING COLLEGE	1564689	INNOVATIVE PROJECTS DEVELOPED BY STUDENTS



[View File](#)

6.4.3 – Total corpus fund generated

**No Data Entered/Not Applicable !!!**

## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	JNTUK	Yes	Principal
Administrative	No	Nil	Yes	Principal

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

1. Orientation program for both parents and students at the beginning of the semester. 2. Parent-Teacher meeting conducted every semester. 3. Student proctoring system

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

1. Fee concession for the children of employees. 2. Organizing medical camps. 3. Financial assistance from corpus fund in case of emergency.

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

1. Trying to implement all the suggestions by peer team. 2. Outcome based teaching and learning methods. 3. MOOCs certification course for both faculty and students is made mandatory. 4. Digital content for various UG courses across all programs is being prepared at a studio established inside the campus.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Orientation session on NBA	03/02/2020	03/02/2020	08/02/2020	75
2020	Orientation on NAAC	02/03/2020	02/03/2020	04/03/2020	125

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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
PROTECT GIRL CHILD	04/09/2019	04/09/2019	73	35
WOMEN'S DAY PLEDGE FOR PARITY	19/11/2019	19/11/2019	90	25
WOMEN IN WORK FORCE	07/06/2019	07/06/2019	48	24
FINANCIAL LITERACY FOR WOMEN	06/08/2019	06/08/2019	68	30

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

Percentage of power requirement of the University met by the renewable energy sources
<p>1. Installation of solar panels was done on the rooftops of every building located in the campus. 50 percent of the energy requirement is met by solar power. All together 400 KW solar panels have been installed in the campus. Among which KL RAO bhavan accommodates 100 KW, BILL GATES bhavan accommodates 150 KW and hostel buildings with 100 KW is installed. saving of Rs. 366311 is achieved by using the installed solar power plant. 2. Plantation of trees in abundance , rain water harvesting pits are constructed in the campus. 3. Swachh-Bharat campaign is made in campus as well as nearby villages.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Rest Rooms	Yes	Nil
Scribes for examination	Yes	Nil
Physical facilities	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	20/02/2019	1	survey on facilities in the village	Medical facility, Transport facility	21
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
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Lifeskills	18/11/2019	Published
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#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
STUDENT INDUCTION PROGRAM	09/08/2019	24/08/2019	950

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

1. Collection of Waste Papers: NSS volunteers collected 500 kgs of waste papers and books from college students and donated them to IRDA, Guntur for recycling them into new papers and books and freely supplying them to students belonging to economically weaker section. 2. World Environment day: Celebrated on 5th June 2019. 'Air Pollution' is the theme for this year. On this day NSS volunteers conducted a rally in kondapalle village planted 100 plant saplings in college premises. 3. Vanamahotsavam Week: Celebrated from 1st July to 7th July 2019, daily 10 students were deputed to clean the plantation surroundings and allowed to plant 100 saplings of 10 different varieties of flowering and tree types of plants at ZPHS Kondapalle and Singampalli villages. 4. Tree Plantation Place Allotted in JNTUK Campus : On 17-08-2019 NSS volunteers have participated in tree plantation in JNTUK and NSS in charge of JNTUK provided a place for our college to plant a tree under the name of Aditya Engineering College. 5. Plastic Waste Management Awareness by Coca Cola Company : On 21-09-2019 M Vijay Kumar senior manager Coca-cola plant, near Vemagiri, RJY has given awareness on plastic waste management to NSS volunteers.

### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

1. Contextual factors in planning and executing the practice stem from the institutions long history of carving out a space for itself by conducting extracurricular events that allows its pupils to engage with local populations. These encounters acted as a forum for the academic community with a. Design and development of low cost technology. b. Spreading about awareness about literacy, hygiene etc. As a part of fulfilling campus needs design of a specific eco system has been in practice. It includes various engineering programs to develop technological solutions for by students as well as Faculty. Let us say Mechanical Department has designed Gear based Clutch restriction system, Acceleration restriction based Clutch restriction system, Magnetic engine. Electronics and Communication Engineering department has designed an automatic water tap control mechanism that will control the flow of water once the glass or bottle is filled. Especially this comes as a resource conservation mechanism that tries to regulate the wastage of water. When it comes to Agricultural Engineering department a Natural cooling of vegetables, an adaptive and economical mechanism has been designed and proposed. This enables the fast and effective cooling of vegetables with low cost and reliability. 2. Engineering Condition Monitoring Practice In addition to teaching in the class and executing the practicals in a laboratory, students are exposed to look at the various trouble shooting exercises so that they come across with theory, practical and problem diagnostic at one place. For example whether it may be an automobile systems, sub-systems or mechanical systems, electrical systems including different electronic gadgets, electric fans, machines etc. will be tested and diagnosed for its fault and will be repaired. This in turn integrates cross sectional training across the students upon careful supervision. Later extensive survey is made through which better results and further improvement is addressed. This helps the stakeholders to utilize better in all the systems and components of the institute. And also extended to

project based learning with inter-disciplinary areas.

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

<http://www.aec.edu.in>

### 7.3 – Institutional Distinctiveness

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

A set of high principles and criteria for bettering communal living. The qualities of the institution have driven multi-disciplinary and cross-disciplinary academic programs/projects, as well as social and cultural disciplines. The institution is dedicated to quality and excellence in all of its operations, including teaching, research, training, and implementation. Aim to provide a great education while also making major contributions to society on a local, national, and international scale. The institution continually inspires students and teachers and offers a platform for the development of methodological skills, transdisciplinary scheme development, and ethical and human value development. The Institutions focus was always on vision, purpose, and working methodology to ensure the communitys performance level via value added education and multidisciplinary research. The institution aspires to bring together nations that want to do their part in empowering residents and the surrounding public for the betterment of society. In this manner, two coir clusters were developed: Amalapuram Coir Cluster and Kadiyapulanka Coir Cluster of the Konaseema delta of East Godavari, Andhra Pradesh, to empower the locals by making them Agripreneurs, increasing artisans wages by at least 30, increasing enterprise profitability by 20, and increasing cluster turnover by 50. The Utkrisht Sansthan Viswakarma Award-2019 by AICTE recognizes the work of these clusters at the national level. The institution as a whole finds solutions to challenges concerning a comprehensive and all-encompassing strategy for the development of nearby and adjacent areas. With the conviction in academic and technical excellence, the school encourages and supports students participation in a variety of rural development initiatives. The rural location where a higher education institution of this size may make a significant contribution to local development and rural public promotion. The institution has always demonstrated a readiness to try innovative approaches for the enrichment of values among staff members and students in order to make them better citizens. As a result, our faculty and students are better prepared to participate in social events.

Provide the weblink of the institution

<http://www.aec.edu.in>

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

1. Planning Training sessions for Students aiming for Placement of higher Package
2. Motivating Students to appear for GATE/CAT/ GRE/TOEFL .
3. Planning to improve the paper publications in Scopus and SCI indexed journal.
4. Aiming for creation of digital content of all courses. Encouraging all faculty members to use the E tools for delivering effective lectures.
5. Generate more Consultancy Revenue by providing support to local industries.
6. Increase the number of MoU's in EEE department.
7. Strengthen the Alumni activities and their contribution at the department level.
8. Enhance research activities through Incubation center.