



## Yearly Status Report - 2016-2017

### Part A

#### Data of the Institution

Part A	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	ADITYA ENGINEERING COLLEGE
Name of the head of the Institution	Prof. 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, Gandepally Mandal
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. K V S Ramachandra Murthy																		
Phone no/Alternate Phone no.	08842326202																		
Mobile no.	9966803153																		
Registered Email	murthy.kvs@aec.edu.in																		
Alternate Email	murthykvs2000@yahoo.co.in																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.aec.edu.in/AQAR">http://www.aec.edu.in/AQAR</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://aec.edu.in/?p=Academic-Calenders">https://aec.edu.in/?p=Academic-Calenders</a>																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.11</td> <td>2015</td> <td>01-May-2015</td> <td>01-May-2020</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.11	2015	01-May-2015	01-May-2020
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.11	2015	01-May-2015	01-May-2020														
<b>6. Date of Establishment of IQAC</b>	15-Nov-2011																		
<b>7. Internal Quality Assurance System</b>																			
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															
Outcome Based Education		06-Jun-2016		4699															

	365	
Curriculum Design.	06-Jun-2016 45	364
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>	4
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)**

Based on the recommendations of the IQAC, Project fund has been announced by the Management worth 70 lakhs out of which 20 lakhs is exclusively for hostellers. Many students are participating in innovative projects. Management of AEC has also announced incentive for the faculty for writing text books.

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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
Training programs at Skill Development center (APSSDC)	05 New laboratories are established by Siemens under APSSDC in the Institute and more than 1200 students are trained.

Internship for students	All third year students are encouraged for internships
To offer Certification programs	Offered Microsoft - MTA, Cisco, Red Hat certification programs to students
Proposed new training programs for Technicalhub. (Python, IOT, iOS App Development, Big Data, Sales Force, SAP, CCENT, CCNA, Red Hat - System Administrator )	Proposed new courses are offered to students.
Planned for Autonomous status	Autonomous Status preparatory work has been initiated
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
ACADEMIC COUNCIL	09-Dec-2017

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	20-Mar-2015
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2016
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Date of Submission	17-Dec-2016
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	EZ School software is used for Management Information System. Institute has authorized software to manage general administration, examinations, student attendance and continuous evaluation process.
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## 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
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No Data Entered/Not Applicable !!!

[View File](#)

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
No Data Entered/Not Applicable !!!				
<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
No Data Entered/Not Applicable !!!		
<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	ALL	13/06/2016
Mtech	ALL	13/06/2016
MCA	Master of Computer Applications	13/06/2016
MBA	Master of Business Administration	13/06/2016
Integrated(PG)	IMBA	13/06/2016

### 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
No Data Entered/Not Applicable !!!		
<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
No Data Entered/Not Applicable !!!		
<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)

#### Feedback Obtained

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.

## 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>				
<a href="#">View File</a>				

### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2016	4295	404	277	15	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	Number of	ICT Tools and	Number of ICT	Number of smart	E-resources and

Teachers on Roll	teachers using ICT (LMS, e-Resources)	resources available	enabled Classrooms	classrooms	techniques used
340	340	5	85	2	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)

To resolve the students academic, personal or interpersonal issues, a proctoring system is established in our college. Mentors are appointed for 15 students and will proctor the respective students twice a month. Proctoring is an essential aspect for the students of the current technological generation as individual mentors may remain in contact with all individual students and parents. Objectives of the practice followed by the department: · To monitor the students regularity and discipline. · To maintain the students complete information and their academic records. · To enable the students to know about the performance regularly. · Improvement of the teacher-student relationship. · Counseling the students regarding academics and providing support to improve their quality of education. · Guiding students to choose the right career path/ Higher education/ Entrepreneurship, etc.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4699	305	1:15

## 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
340	340	Nil	26	10

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>			
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## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	Nil	Nil	Nil	Nil
<a href="#">View File</a>				

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
Nil	8935	0

## 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
<b>No Data Entered/Not Applicable !!!</b>					
<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

<b>Yes</b>
Name of the teacher getting seed money
<b>Nil</b>
<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
<b>No Data Entered/Not Applicable !!!</b>				
<b>No file uploaded.</b>				

### 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 agency	Total grant sanctioned	Amount received during the year
<b>No Data Entered/Not Applicable !!!</b>				
<b>No file uploaded.</b>				

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0



### 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
Refrigeration Air conditioning	Mechanical	10/03/2017
Non Destructive Testing	Mechanical	17/04/2017
Renewable Energy Management and Advanced Techniques for a Sustainable Future	EEE	26/12/2016
One day workshop on Patent filing	EEE	08/06/2016
One day workshop on Research Methodology	EEE	10/02/2017
Workshop on Disaster Management	CIVIL	20/03/2017
Workshop on Chemical Process Calculation	AG	17/09/2016
Knowledge sharing session on cloud /GPU Computing	IT	13/08/2016
One day workshop on IPR	CSE	27/07/2016
One day workshop on Research Methodology	CSE	03/01/2017
Guest Lecture on Exploration History of Krishna -Godavari Basin	PT	09/02/2017
Seminar on Well Logging Principles and Applications	PT	21/02/2017
Seminar on Exploration Seismic -Fundamentals Advanced	PT	22/02/2017
One day workshop on Intellectual Property Rights	PT	04/05/2017
One day workshop on Research Methodology	ECE	10/05/2017
No file uploaded.		

#### 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
No Data Entered/Not Applicable !!!				
No file uploaded.				

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

Incubation	Name	Sponsored By	Name of the	Nature of Start-	Date of
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Center			Start-up	up	Commencement
<b>No Data Entered/Not Applicable !!!</b>					
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### 3.4 – Research Publications and Awards

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

Name of the Department	Number of PhD's Awarded
EEE	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)
International	Civil	3	Nill
International	ECE	4	Nill
International	MECH	12	Nill
International	MCA	1	Nill
International	IT	2	Nill
International	MCA	1	Nill
International	EEE	4	Nill
International	CSE	5	Nill
No file uploaded.			

#### 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
EEE	2
ECE	3
HBS	3
CSE	4
MECH	3
No file uploaded.	

#### 3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
<b>No Data Entered/Not Applicable !!!</b>			
No file uploaded.			

#### 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
Purification characterization of	Vemuri P.K., Talluri B., Panang	International Journal of Green	2016	1	Yes	9

Parthenium hysterophorus flower proteins that exhibit inherent immunological responses	apalli G., Veeravalli S., Bodiga V.L.	Pharmacy				
Fractional-order PI based STATCOM and UPFC controller to diminish subsynchronous resonance	Koteswara Raju D., Umre B.S., Junghare A.S., Thakre M.P., Motamarri R., Somu C.	Springer Plus	2016	12	Yes	9
Image inpainting and enhancement using fractional order variational model	Sridevi G., Srinivas Kumar S.	Defence Science Journal	2017	7	Yes	9
P-Laplace variational image inpainting model using Riesz fractional differential filter	Sridevi G., Srinivas Kumar S.	International Journal of Electrical and Computer Engineering	2017	2	Yes	9
Dual annihilator filters of commutative Be-algebras	Kumar V.V., Rao M.S.	Asian-European Journal of Mathematics	2017	2	Yes	9
Galectin-3 attenuates lipopolysaccharides-induced inflammation in adipocyte	Vemuri P.K., Talluri B., Thunuguntla V.B.S.C., Cherukuri C., Mallampati	Asian Journal of Pharmaceutics	2016	1	yes	9

and macrophage co-culture system	A., Veeravalli S., Bodiga V.L.					
Alkaline treatment effect on mechanical properties Tectona grandis wood species	Vasubabu M., Harish Babu S., Narendrudu T., Anjaneyulu C.	International Journal of ChemTech Research	2016	3	Yes	9
No file uploaded.						

### 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 !!!						
No file uploaded.						

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

Number of Faculty	International	National	State	Local
Presented papers	Nil	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)
CIVIL	Compressive strength test on concrete cubes	Patel Infrastructure Pvt. Ltd., Vijayawada, Andhra Pradesh.	75529
No file uploaded.			

### 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 !!!				
No file uploaded.				

## 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
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No Data Entered/Not Applicable !!!

[View File](#)

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/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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
No Data Entered/Not Applicable !!!					
<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
UiPath Academic Alliance	18/08/2016	Academic Alliance Programs	389
No file uploaded.			

## 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
68	67

#### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Newly Added
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
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
EZ School	Partially	10.0	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>			
No file uploaded.			

#### 4.3 – IT Infrastructure

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

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1320	14	100	2	1	1	12	100	0
Added	115	1	0	0	0	0	0	0	0
Total	1435	15	100	2	1	1	12	100	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility

Provide the link of the videos and media centre and recording facility

No Data Entered/Not Applicable !!!

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

No Data Entered/Not Applicable !!!

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)

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.

<http://www.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	224	4330000
Financial Support from Other Sources			
a) National	Fee Reimbursement Scheme-Government of Andhra Pradesh	2892	114104800
b) International	Nil	Nil	Nil

[View File](#)

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

No Data Entered/Not Applicable !!!

[View File](#)

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

Year

Name of the

Number of

Number of

Number of

Number of

	scheme	benefited students for competitive examination	benefited students by career counseling activities	students who have passed in the comp. exam	students placed
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

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	4

## 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
52	686	394	5	392	15
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2017	Nil	Nil	Nil	Nil	Nil
2017	Nil	Nil	Nil	Nil	Nil
2017	Nil	Nil	Nil	Nil	Nil
2017	Nil	Nil	Nil	Nil	Nil
2017	Nil	Nil	Nil	Nil	Nil
2016	Nil	Nil	Nil	Nil	Nil
2017	Nil	Nil	Nil	Nil	Nil
2017	Nil	Nil	Nil	Nil	Nil
2017	Nil	Nil	Nil	Nil	Nil
2017	Nil	Nil	Nil	Nil	Nil
<a href="#">View File</a>					

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

Items	Number of students selected/ qualifying
SET	4
GATE	3
GRE	1
Any Other	8



No file uploaded.

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
<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
No Data Entered/Not Applicable !!!						
<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 performance in each activity of Sports, NSS, NCC and cultural 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. Students are also members in the following 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:

587

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

11th January 2017

## **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)

1. All the departments work as independent bodies. All the Heads of the Departments of AEC are encouraged to develop their own strategies for teaching, learning, carrying out research and implementing various projects. 2. All the conveners of various committees have freedom and are empowered to take decisions and plan their own activities.

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
Human Resource Management	1. Faculty annual assessment by Self Appraisal , 2. Orientation programme is conducted for new faculty members , 3. Support and guidance is provided for carrying research activities, presenting papers in conferences and publishing papers in reputed journals.
Research and Development	RD Division is established to give support in terms of guidance for applying projects, to review and motivate research scholars., Incentives for research publications/ attending workshops/ conferences/FDPs, Conducting awareness programs by experts from funding agencies.
Examination and Evaluation	1. As the Institution is affiliated to JNTUK, Kakinada up to 2016-17 batch, the examination/evaluation procedures are governed by the university, 2. For 2017-18 admitted students, exams are conducted by College Examination Section headed by Controller of Exams under the Autonomous system.
Teaching and Learning	1. Encouragement of Staff and Students towards Research. 2. Guidance to students for getting admission for higher studies. 3. Encouraging students to do projects in the concerned subjects. 4. Expert lectures to create awareness to students. 5. Conduction of Skill Development training programs. 6. Periodical evaluation of results of the students in semester end examinations .
Curriculum Development	1. Syllabus revision is made periodically by the affiliating university JNTUK as per the need and guidelines given by AICTE 2. AEC has become autonomous from 2017-18. Hence, curriculum is developed by Board of Studies of each Department., 3. External experts are invited from IITs and NITs to guide the BOS., 4. Academic

	Council design various policies related to academics and administration.
Library, ICT and Physical Infrastructure / Instrumentation	Total No. of Titles : 7163 Total No. of Volumes : 77,836 , Total No. of International Journals : 2000 , Total No. of Journals : 65, Magazines : 25
Industry Interaction / Collaboration	AEC has MoU with Infosys Campus Connect, Microsoft Innovation Centre, TCS-ion, ITU, Adobe Creative Academy, Govt of AP for SDC, Kabul Polytechnic University, Afghanistan, Aspiring Minds.
Admission of Students	70 percent of the admissions are done by the Convener, EAMCET, Govt. of Andhra Pradesh. Remaining 30 percent of the seats are filled by the Management based on the guidelines given by Govt. of Andhra Pradesh from time to time.

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

E-governance area	Details
Planning and Development	No software is used for planning and development.
Administration	General Administration is done through EZ school software.
Finance and Accounts	Tally ERP and EZ school are used by Accounts Department.
Student Admission and Support	EZ school software is used for admission process and further student support. Students attendance is also posted in EZ school.
Examination	EZ school Software is used to track students performance in examinations from I Semester 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	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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staff

No Data Entered/Not Applicable !!!

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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
No Data Entered/Not Applicable !!!				
<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
26	26	15	15

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group Insurance, Provident Fund, Free Transport, Free Education for Wards, Canteen Facility at subsidized Price	Group Insurance, Provident Fund, Free Transport, Free Education for Wards, Canteen Facility at subsidized Price	Scholarships to meritorious Students Medical Facility in the campus

## 6.4 – Financial Management and Resource Mobilization

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

**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, 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. 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
No Data Entered/Not Applicable !!!		
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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, Kakinada	Yes	principal
Administrative	Yes	JNTUK, Kakinada	Yes	principal

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

Informal meetings are being conducted to identify the issues related to students. Feedback from parents is collected at times and it is analysed for taking further measures.

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

Supporting staff are encouraged to continue their education for improvement of their qualification. Various training programmes are conducted inorder to develop skills among the supporting staff.

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

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

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
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
No Data Entered/Not Applicable !!!					
<a href="#">View File</a>					

## 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
WORKSHOP FOR GIRLS ON SELF DEFENCE	18/07/2016	18/07/2016	145	10
WORLD SPACE WEEK -WOMEN IN SCIENCE	10/08/2016	10/08/2016	75	27
OVERSEAS OPPORTUNITIES	16/11/2016	16/11/2016	145	155
ONE DAY SEMINAR ON CAREER DEVELOPMENTT	30/12/2016	30/12/2016	162	145
SEMINAR ON ROAD SAFETY	21/01/2017	21/01/2017	55	72
ONE DAY WORKSHOP ON LIFE STYLE BASED DISORDERS	18/02/2017	18/02/2017	125	45
EMPOWERMENT OF WOMEN	23/03/2017	23/03/2017	168	45
EMPOWERMENT OF HUMANITY	03/04/2017	03/04/2017	78	162

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

LED bulbs are used in the campus as power efficient equipment.

7.1.3 – Differently abled (Divyangjan) friendliness

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

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to	Number of initiatives	Date	Duration	Name of initiative	Issues addressed	Number of participating
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	address locational advantages and disadvantages	taken to engage with and contribute to local community					students and staff
2016	1	1	28/11/2016	1	Village Resource Replenishment	Deficiencies in near by village are addressed	57
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#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Promotion of PEHV	08/02/2017	Make use of values, morals and ethics in their day to day life, Identify what is right and wrong through moral ethics, Analyze experimental learning while developing the society with ethos, Apply ethical principles to resolve the problems that arise in work place, Apply adequate knowledge on global code of conduct.

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

Activity	Duration From	Duration To	Number of participants
Seminar on Universal Values and Ethics	22/08/2016	22/08/2016	210
Seminar on Universal Values and Ethics	23/08/2016	23/08/2016	380
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Offering Environmental Science as a mandatory course. 2. Planting of trees in the campus 3. Construction of rain water harvesting pits in the campus 4. Environment Day Celebration on 05-06-2017 5. Implementation of Swachh Bharat mission.
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### 7.2 – Best Practices

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

1. Providing a safe environment for students is critical to our institutions overall success. There are a few things we can do to increase student safety at our college. With that in mind, here are several issues that our college has to address in order to increase student safety on campus. Ragging free campus is
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the prime motto of our institute since its inception. Some other gender sensitivity issues are also properly taken care like sexual assault, student safety that necessitates a particular set of prevention tactics. When incident statistics are examined, the significance of implementing prevention strategy becomes abundantly evident. While it is hard to provide a watertight solution to all problems that may arise on college campus, several colleges have embraced techniques such as teaching students on consent and taking a zero-tolerance policy to incidences. The goal was to build a challenge, report, and support culture within the student and staff community by raising awareness of hate crimes and conveying the universities zero-tolerance policy. It is also crucial to give pupils with appropriate support services in order for them to handle any trauma caused by the experience. For many students, college is their first taste of independence working to a schedule, being safe, and taking responsibility for their own things. Along with its well-lit pathways, the college has increased student safety by employing a sufficient number of security staff and installing security cameras. Having a campus security team on duty 24 hours a day, seven days a week, and security protocols in place, such as the usage of ID for admission, can help to keep unauthorized persons off campus.

2. Enhancing students skills through Technical-hub (T-hub) an exclusive training department In todays competitive driven world, many students are much afraid to follow modern career paths due to the fear of failure which overpowers their mind. Founded with the main intention to help students rid this fear, Technical hub follows a modern teaching system which not only encourages students to follow various new career paths but also makes them industry ready for their chosen future. Initially, when Technical Hub started, it had a small student audience with not more than 10 individuals. Today technical hub has more than 6-7 thousand individuals and the number keeps going up as the days pass by. Our body initially consisted of one man keen on sharing his knowledge with the student community. Today Technical Hub has more than 24 active teaching individuals who are certified by well-reputed companies and who happen to be few of the best in their field. Technical Hub is not only focused on making a good student to excellent by polishing their skills and increasing their knowledge in the areas they lack, but also encourages those individuals who have little technical knowledge and excel them in their chosen field. Apart from that, Technical-hub also happen to have finely trained professionals from multiple reputed organizations like Oracle, Red Hat, Cisco, Git Hub and VMware, who make the students more knowledgeable and technically sound.

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

? Scientifically designed employability assessment and training programs by AMCAT and COCUBES through first to fourth year. Cost of these programs is partially borne by the Institute ? Exclusive training support for advanced career guidance programs like GATE, GRE, TOEFL, etc. ? NSS unit carries out social activities like blood donation camps, education to rural students and health camps ? Implementation of Swachh Bharat Abhiyan

Provide the weblink of the institution

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

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

1. To get all the departments accredited by NBA 2. To get Research Centre Sanctioned from JNTUK 3. To ensure that out of all eligible students, at least 80 percent of students should be placed. 4. To apply for Project Funding to DST/AICTE/DRDO.