



Yearly Status Report - 2016-2017

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	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

2. Institutional Status																			
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																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	http://aec.edu.in/AQAR/2015%2016.pdf																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://aec.edu.in/?p=acc#tab2																		
5. Accrediation Details																			
<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>31-Dec-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.11	2015	01-May-2015	31-Dec-2022
Cycle	Grade	CGPA	Year of Accrediation	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															
Orientation programme on NBA accreditation	06-Jun-2016 3			33															

Orientation on Curriculum Design	12-Dec-2016 5	45
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 !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

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

[View File](#)

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

No

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

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	Achievements/Outcomes
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.

To offer Certification programs	Offered Microsoft - MTA, Cisco, Red Hat certification programs to students
Internship for students	All third year students are encouraged for internships
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.
Planned for Autonomous status	Autonomous Status preparatory work has been initiated
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	No
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	2016
Date of Submission	17-Dec-2016
17. Does the Institution have Management Information System ?	Yes
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.

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
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 !!!				
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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 !!!		
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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
MCA	Master of Computer Applications	13/06/2016
MBA	Master of Business Administration	13/06/2016
Integrated(PG)	IMBA	13/06/2016
BTech	Civil Engineering	13/06/2016
BTech	Electrical and Electronics Engineering	13/06/2016
BTech	Mechanical Engineering	13/06/2016
BTech	Electronics and Communication Engineering	13/06/2016
BTech	Computer Science and engineering	13/06/2016
BTech	information technology	13/06/2016
BTech	Agriculture Engineering	13/06/2016
BTech	Mining Engineering	13/06/2016
BTech	Petroleum Technology	13/06/2016
Mtech	Structural Engineering	13/06/2016
Mtech	Power Electronics and Drives	13/06/2016
Mtech	Thermal Engineering	13/06/2016
Mtech	VLSI Design	13/06/2016
Mtech	Embedded Systems	13/06/2016
Mtech	Petroleum Engineering	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
28	25/07/2016	2265
View File		

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 !!!		
View File		

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
<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>

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
No Data Entered/Not Applicable !!!				

[View File](#)

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	206	27	9

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
242	241	5	85	1	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	242	1:19

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
242	242	0	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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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	Nill	Nill	Nill	Nill

[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
0	4468	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
No Data Entered/Not Applicable !!!					

[View File](#)

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://aec.edu.in/?p=IOAC#tab4>

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

[View File](#)

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
Nill	NIL	NIL	Nill	NIL
No file uploaded.				

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
Nill	0	NIL	0	0
No file uploaded.				

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
NIL	NIL	NIL	Nil	NIL
No file uploaded.				

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
NIL	NIL	NIL	NIL	NIL	Nil
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
NIL	0

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	Nil
International	ECE	4	Nil
International	MECH	12	Nil
International	MCA	1	Nil
International	IT	2	Nil
International	MCA	1	Nil
International	EEE	4	Nil
International	CSE	5	Nil
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
MECH	3
CSE	4
HBS	3
ECE	3

EEE	2
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 !!!			
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
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
Galectin-3 attenuates lipopolysaccharides-induced inflammation in adipocyte and macrophage co-culture system	Vemuri P.K., Talluri B., Thunuguntla V.B.S.C., Cherukuri C., Mallampati A., Veeravalli S., Bodiga V.L.	Asian Journal of Pharmaceutics	2016	1	yes	9
Dual annihilator filters of commutative Be-algebras	Kumar V.V., Rao M.S.	Asian-European Journal of Mathematics	2017	2	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
Image	Sridevi	Defence	2017	7	Yes	9

inpainting and enhancement using fractional order variational model	G., Srinivas Kumar S.	Science Journal				
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
Purification characterization of Parthenium hysterophorus flower proteins that exhibit inherent immunological responses	Vemuri P.K., Talluri B., Panangapalli G., Veeravalli S., Bodiga V.L.	International Journal of Green Pharmacy	2016	1	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
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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

[View File](#)

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
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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
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	Duration From	Duration To	Participant
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details

No Data Entered/Not Applicable !!!

[View File](#)

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
400	394.92

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
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
No file uploaded.	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
EZ School	Fully	10.0	2005

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
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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
Nil	Nil	Nil	Nil
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	1040	25	25	2	1	1	11	100	0
Added	60	1	1	0	0	0	0	0	0
Total	1100	26	26	2	1	1	11	100	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Nil	Nil

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
250	165.69	200	184.51

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)

<p>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.</p>
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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	Reimbursement of Tuition fee by Government of A.P.	2939	129317025
b) International	0	0	0
No file uploaded.			

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 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
No Data Entered/Not Applicable !!!					
View File					

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
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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	Department graduated from	Name of institution joined	Name of programme admitted to
2017	Null	Null	Null	Null	Null
2017	Null	Null	Null	Null	Null

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
2017	Nil	Nil	Nil	Nil	Nil
2017	Nil	Nil	Nil	Nil	Nil
View File					

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 !!!		
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international 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 !!!						
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institute believes that student involvement in academic and administrative activities plays crucial role in development of the institute. In this regard, the students are encouraged to be a part of academic, administrative committees and student council. Students actively participate and organize various academic, co-curricular, extra-curricular and extension activities. This empowers the students to gain leadership qualities, managerial skills, and team work. The institute has an active student council with Principal, all head of the departments, student representatives as its members. One student acts as the convener and one student acts as the secretary of the committee. The student council acts as a facilitator between students and the institute. The activities and functions of the Student Council are: • To organize various academic, co-curricular, extra-curricular and extension activities. • To maintain overall discipline/student etiquette in the campus during the events. Students as members of various committees involve in decision making process by

providing suggestions and feedback. This facilitates the institute to understand the student perception on various issues. Students' representation is given proper weightage for the holistic development of the institute. Student representation is active in the following list of committees: • Anti-Ragging Committee • Alumni Committee • Canteen Committee • Internal Quality Assurance Cell (IQAC) • Cultural Committee • Eco Club • Entrepreneurship Development Cell (EDC) • Grievance Redressal Committee • Health Committee • Hostel Committee • Committee for ICT/LMS/ILMS/E-Resources • Library Committee • Sports Committee • Committee for Training and Development, Career Counselling and Placement • Website Committee • Internal Complaints Committee • NSS Committee • Youth Red Cross Unit • Leo-Club

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institute believes that an active alumni association can significantly contribute to academic matters and student support. In this connection, alumni are encouraged to be a part of various statutory committees of the institute. The institute encourages student-alumni interactions that would benefit the students in advanced learning from rich expertise of the alumni. The institute has a registered and functional Alumni Association. It is proactive, supportive, and works for the development of the students and the institute. It has a governing body with President, Vice-president, Secretary, Treasurer and General Secretary. Two alumni chapters are formed at Hyderabad and Bangalore which actively contribute to outreach activities. The alumni involve actively in the following activities: • Curriculum development and revision • Deliver Guest lectures on emerging technologies • Career guidance to enlighten the students on different career options • Provide industry-institute interaction • Support for placements and internships • Entrepreneurship guidance

5.4.2 – No. of registered Alumni:

760

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

13

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
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.
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.
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.
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
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.
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 .
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.

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

E-governance area	Details
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.

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
No Data Entered/Not Applicable !!!				
View File				

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)
No Data Entered/Not Applicable !!!						
View File						

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 !!!				
View File				

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

Teaching	Non-teaching

Permanent	Full Time	Permanent	Full Time
26	26	7	7

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
NIL	0	NIL
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External	Internal
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	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	Yes	principal
Administrative	No	Nil	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 in order 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
2016	Orientation programme on NBA accreditation	06/06/2016	06/06/2016	08/06/2016	95
2016	Orientation Programme on Curriculum Design	12/12/2016	12/12/2016	18/12/2016	120
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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
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
Provision for lift	Yes	16
Ramp/Rails	Yes	12
Rest Rooms	Null	12
Scribes for examination	Null	1

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
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	590
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Planting trees in the campus. 2. Construction of rain water harvesting pits in the campus 3. Environment Day Celebration on 05-06-2017 4. Implementation of Swachh Bharat mission.

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 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

<https://aec.edu.in/?p=Best%20Practice#tab2>

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

<https://aec.edu.in/?p=Institute%20Distinctiveness#tab2>

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.