



Yearly Status Report - 2015-2016

Part A

Data of the Institution

1. Name of the Institution		AMC ENGINEERING COLLEGE
Name of the head of the Institution		Dr. T N Sreenivasa
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08027828655
Mobile no.		9902044111
Registered Email		principal@amceducation.in
Alternate Email		principal@amcec.edu.in
Address		18th K.M. Bannerghatta Main Road, Bangaluru-560083,
City/Town		BENGALURU
State/UT		Karnataka
Pincode		560083

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	ACMV Srinivas
Phone no/Alternate Phone no.	08027828655
Mobile no.	9902576902
Registered Email	dean.academics@amceducation.in
Alternate Email	akmu55@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://amcec.edu.in/wp-content/uploads/2022/06/AOAR-2014-15.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://amcec.edu.in/wp-content/uploads/2022/04/COE-2015-16-.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.77	2016	02-Dec-2016	01-Dec-2021

6. Date of Establishment of IQAC	09-Sep-2014
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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
Quality initiative A	23-Apr-2016	30

Technical talk on Role of Engineers & Career opportunities	1	
Quality initiative First International conference on Reliable Technologies in Power and Energy System (RTPES)	04-Apr-2016 2	100
Quality initiative National Training on Power system transient analysis using Mi-power	24-Jan-2016 2	40
Quality initiative Training on How to get Patents and Research Proposals	24-Jan-2016 1	62
Quality initiative Training on EPR labs conducted titled Make objects, Gadgets and Robots	19-Sep-2015 1	85
Quality initiative Technical talk on Green building	19-Aug-2015 1	36
Quality initiative on Current Trends in the Information Technology Industry	08-Oct-2015 1	90
Quality initiative on SAP and its benefits of its adoption in the Industry	08-Jan-2015 1	80
Quality initiative FDP - on Research Methodology	24-Jul-2015 1	52
Quality initiative FDP on Refreshing course in Mechanical Engineering Laboratories	20-Jul-2016 1	80
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Mechanical Engineering	Magnetically levitated vertical axis wind turbine	VGST	2015 365	40000
Mechanical Engineering	Influence of Temperature and Polymer	KSCST	2015 365	7000

	Processing Additives in Recycled Combined HDPE and LLDPE Polymer Matrix Composite Pipes			
Mechanical Engineering	Design and Development of Composite Material using Sida Acuta Burf. M (Malvaceae Plant)	KSCST	2015 365	7000
Mechanical Engineering	Design and Development of Cost Effective Prosthesis Add on for Humar Limb/Knee	KSCST	2015 365	7000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
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Upload latest notification of formation of IQAC	View File
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10. Number of IQAC meetings held during the year :	3
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The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
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Upload the minutes of meeting and action taken report	View File
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11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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12. Significant contributions made by IQAC during the current year(maximum five bullets)

<ul style="list-style-type: none"> • Improved the Graduation Results. • Enhanced employability by implementing personality development programs, Value added certificate courses preplacement training program for the students. • Career Guidance and Placement Cell strengthened. • Upgraded library by subscription to e-journals. • Publication of Journals of international standards.
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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
Initiate social responsibility activity	Our college NSS unit is organizing Blood Donation Camp, Swatch Bharath, Yoga Day, Plantation, Road Safety Awareness, Meditation Programme, Disabled Day, Health Checkup, Self Defence for women, Fire Brigade Demonstration, First Aid training Programme.
Energize the activities of all the clubs in the college.	All the departments clubs are conducting events periodically.
Conduct National Level Seminars/ Conferences / Workshops / FDP by all Departments.	Conducted by all the departments
Improve the academic results and Placement	Graduation rate of 70 (Appx.)
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Council	19-Aug-2016

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

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2015

Date of Submission

30-Sep-2015

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)

CAMPUS AUTOMATION The College has EConnect All (ERP) - PUPILPOD The main objective is to improve the overall academic performance of students by actively involving parents and teachers alike in the process. To facilitate easy access of the students' details such as, attendance, internal marks,

timetable etc., to parents and students. To establish instant communication between college, student and parents through alerts and messages. To give the HOD / Principal / Parents a bird's eye view of the progress of all the students. In present engineering education scenario in India, given the age group of the students, there exists a communication gap among the students, their parents and teachers. Efforts must be taken to minimize this gap for better academic progress of students and their accountability towards parents and college. Also it is important for all faculty members to get updated information about college activities. The College has successfully implemented an internet based software solution called the "Pupilpod". It helps to connect, the three pillars of institution, the students, the teachers and the parents at the click of a button. All the students' details, attendance, University results and internal marks, assignments, timetable etc., are maintained through this software. Students and Parents can access these details using a login ID provided to them. Parents can stay updated about their ward's progress through SMS and emails. Parents can interact with HOD/Principal about their wards through this software solution. As a result we obtained a wellmanaged data centre implemented with the "Pupilpod" software. Well informed and wellconnected parents and teachers. Improvement in attendance and IA performance by students. Availability of wellorganized data about all students, faculty and Institution

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

AMC Engineering College (AMCEC) affiliated to Visvesvaraya Technological University (VTU), Belagavi Karnataka is a non-autonomous college. All the academic programs of AMCEC follows the curriculum which are designed and developed by VTU. The curriculum prepared by the university is done in consultation with the academicians and technical experts selected from industry, keeping in view the requirements of both the industry and society.

Although the technical contents are developed by the University, course outcomes (CO) of the academic programs are correlated to the vision, mission of our institution and Program Educational Objectives (PEO). To fulfil the demands of the competitive market for employability both at national and international level, each CO of our programs are mapped to the program outcomes (PO) defined by the National Board of Accreditation at appropriate levels of blooms taxonomy related to Knowledge & Understanding, Application & Analysis and Evaluation & Creativity / Critical thinking. CO is also mapped to the program specific outcome (PSO) designed and developed in consultation with stake holders of AMCEC which includes experts from both academic and industry. Calendar of event is prepared advance along with timetable for each course / internal assessment /other academic activities. Based on the best suited teaching-learning style identified for each CO, every topic of the syllabus is restructured for session wise delivery, called as lesson plan. Instruction materials / laboratory manuals are provided for each course. Effectiveness of student learning or cognitive level is indicated by assessment system. Each CO is assessed based on more than one process which includes direct assessment and indirect assessments. Direct assessment includes continuous internal assessment (CIE) conducted by the department and semester end examination (SEE) conducted by the University Theory and practical courses. Indirect assessment includes course exit survey of theory and practical's seminars, workshops, industrial visits, internships, projects which gives ample exposure to real time professional environment. All the activities are defined with CO and are mapped to PO/PSO. CIE includes internal assessment tests (CIA) and assignments. Question papers are designed in such a way that student is tested for the different cognitive levels of learning following the guidelines of Blooms Taxonomy and are mapped to CO/PO/PSO. Application of Blooms Taxonomy system has enabled the teachers to set examination papers that are well balanced, testing the different cognitive skills without a tilt towards a tough or easy paper perception. Direct assessment includes 30% CIA, 10% assignment and 60% SEE. Based on the outcome of assessment, remedial measures are devised to increase the level of attainment of learning or to find out the strengths and shortfalls of the learning taken place. Necessary changes are made in Teaching-Learning Process to fill the gap in regard to each course. Attainment of Program Education Objectives are assessed between 3 to 5 years of graduation for every batch of students and suitable changes are proposed in delivery methodology for the program and undertake the reformation in entire curriculum implementation process.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Android	Nil	10/08/2015	5	Programming- Focuses on Employability	Programming- Focuses on Employability
Python Application Programming	Nil	01/08/2015	5	Programming- Focuses on Employability	Enhancement of programming skill set
SQL PLSQL Programming	Nil	01/08/2015	5	Programming- Focuses on Employability	Enhancement of programming skill set

Python Application Programming	Nil	02/06/2016	5	Programming-Focuses on Employability	Enhancement of programming skill set
SQL PLSQL Programming	Nil	02/06/2016	5	Programming-Focuses on Employability	Enhancement of programming skill set
Python programming its applications	Nil	12/07/2015	5	Programming-Focuses on Employability	Enhancement of programming skill set
Computational Mechanics Laboratory	Nil	06/02/2015	5	Mechanical Engineering software	Effective design tool to corroborate in experimental findings.
Students Mentoring Programme	Nil	10/06/2015	5	Structured Mentoring	To develop talent , leadership
Internet of Things	Nil	06/10/2016	5	Managerial skills-Focuses on Employability	enhancement of employability skills
Pre-placement training	Nil	08/03/2015	5	Managerial skills-Focuses on Employability	enhancement of employability skills
Soft Skills training	Nil	09/07/2015	5	Managerial skills-Focuses on Employability	enhancement of employability skills
MVC	Nil	16/02/2016	5	Programming-Focuses on Employability	Enhancement of programming skill set
Python	Nil	02/12/2016	5	Programming-Focuses on Employability	Enhancement of programming skill set

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	Nil	Nil

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Science and Engineering	19/08/2016
BE	Information Science & Engineering	19/08/2016
BE	Electronics and Communication Engineering	19/08/2016
BE	Mechanical Engineering	19/08/2016
BE	Electrical and Electronics Engineering	19/08/2016
BE	Civil Engineering	19/08/2016
Mtech	Computer Science Engineering	19/08/2016
Mtech	Computer Network Engineering	19/08/2016
Mtech	Digital Electronics and Communication	19/08/2016
Mtech	VLSI and Embedded Systems	19/08/2016
Mtech	Machine Design	19/08/2016
Mtech	Power System Engineering	19/08/2016
MBA	Master of Business Administration	19/08/2016
MCA	Master of Computer Application	19/08/2016

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

	Certificate	Diploma Course
Number of Students	597	0

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
Pre Placement Training	08/03/2015	628
Python Programming	09/10/2015	50
SQL PLSQL Programming	02/06/2016	50
W/Shop on Literature Review	12/02/2015	55
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field
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		Projects / Internships
BE	Computer Science Engineering	40
BE	Electronics and Communications Engineering	10
BE	Information Science Engineering	12
MBA	MBA	45
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>The Institution obtains Feedback from the students at the end of each semester. The students are encouraged to give Feedback on Curriculum, facilities, Teaching-Learning etc. This effective Feedback and their views are put forward on behalf of the college committee. Later, the inputs are taken from the Industry in order to help the students requirements in employability. When the University invites representatives from the college during the reformation of the curriculum and syllabus, these views are shared in front of the University curriculum committee, which would help to bring changes in the Syllabus. This feedback is also shared between the faculty concerned in curriculum delivery. Based on the facultys experience, a proposed set of actions are prepared for the future course revision. The feedback is also obtained from the faculties, Employers, Alumni and parents regarding the quality of the program and other facilities. The obtained feedback and the action taken report is documented and the same will be shared among the concerned Stakeholders.</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
Mtech	VLSI	18	8	7
Mtech	DEC	25	5	2
Mtech	CNE	18	6	3
Mtech	CSE	36	7	6
BE	Civil Engineering	60	60	52
BE	Electrical	60	50	40

	and Electronics Engineering			
BE	Mechanical Engineering	240	200	213
BE	Electronics and Communications Engineering	180	150	147
BE	Information Science Engineering	120	120	115
BE	VLSI	18	8	7
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2015	2722	346	223	118	2

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
336	336	10	60	4	12
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)

Student mentoring system is available in the institution. At the beginning of every academic year, approved faculty members are assigned as mentors to a group of students/mentees. Mentors conduct periodic mentor-mentee meetings to monitor the progress of their respective mentees in academic, co-curricular and extracurricular activities. Mentor-mentee meetings are conducted at the beginning of every semester, after the IA tests and before the university exams. This helps to address and resolve any study related issues, students might be facing. These meetings also help to identify and nurture students' interest in co-curricular and extracurricular activities. Periodic PTMs are also conducted to keep the parents updated with their wards' progress. To address the non academic and personal issues students are counseled from time to time.

Objectives: • Enabling overall development of the mentee • Helping mentees to resolve their problems(academic and nonacademic) • Counseling students on areas apart from academics • Fostering good mentor-mentee relations.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2722	336	1:8

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
336	336	39	39	40

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
2015	Mr Ananthanagu	Assistant Professor	Bronze partner faculty from INFOSYS

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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
BE	CSE	8 Sem	06/06/2016	30/07/2016
BE	ISE	8 Sem	06/06/2016	30/07/2016
BE	ECE	8 Sem	06/06/2016	30/07/2016
BE	ME	8 Sem	06/06/2016	30/07/2016
BE	EEE	8 Sem	06/06/2016	30/07/2016
BE	CV	8 Sem	06/06/2016	30/07/2016
Mtech	VLSI Design Embedded Systems	4 Sem	02/06/2016	12/09/2016
Mtech	Digital Electronics Communication	4 Sem	02/06/2016	12/09/2016
Mtech	Power System Engineering	4 Sem	02/06/2016	12/09/2016
Mtech	Machine Design	4 Sem	02/06/2016	12/09/2016

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

As per the rules regulations of university, students are provided with guidelines for internal examinations before the commencement of the internal examinations. Instructions are given to students about the syllabus and scheme of evaluation at the beginning of each semester. Calendar of events provided to the students includes IA test dates which are planned in advance for both theory and practical test. In a same way Seminar, Project assignment, Theory practical assignment are also evaluated as per the university rules. In case of any grievances students can approach the grievances redressal committee seeking

for redressal. The grievance is addressed within 3 to 4 days. On regular basis students Attendance Performance is monitored. Based on course outcomes, two sets of question paper is prepared as per the prescribed format. One question paper is selected for the conduction of IA test by Program Assessment Committee (PAC). Complete syllabus is covered uniformly in three IA tests. Immediately after the IA tests , evaluation scheme is discussed in brief with students and Answer booklets are evaluated based on that scheme. Practical exams are conducted in line with university exams, marks distribution is based on write-up, conduction and viva. IA marks are updated in Institution Learning Management System. Marks are also updated in log books. Based on student performance in internal assesments slow learners are Identified and special tutorial classes are conducted for them. In the above mentioned way, all faculty keep the records of conducted internal assessment examination and same is submitted to the university and based on this university declares the students result.

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

- At the start of each academic year, the university publishes an Academic Calendar that includes the semester start and end dates, the start and end of practical examinations, the start and end of Theory examinations, and a list of holidays.
- The Institute follows the Universitys Academic Calendar.
- One month prior to the start of the semester, the Institute develops its own schedule of events in accordance with the University calendar of events, with the participation of all department HODs and various coordinators.
- The Institutes calendar of events includes three IA test dates, an internship date, a seminar date, a project viva voce date, an intercollegiate and intracollegiate fest, an alumni meet, Parent-Teacher meetings, Graduation day, First Year Inauguration Day, and Teachers Day, among other things.
- Each department creates its own calendar of activities, proctor meetings, industrial visits, IA tests, project reviews, workshops, and department meetings, among other things, in order to stay on track.
- All stakeholders are informed via the college website, department blog, and mobile app.
- Throughout the semester, the Calendar of Events is closely adhered to.
- Each faculty prepares a detailed lesson plan/teaching approach that is tailored to the curriculum before the semester begins.
- The content, learning aids, and methodology, faculty approach, and course outcomes are all included in the lesson plan.
- All Saturdays are used for Co-Curricular events to cover topics not included in the syllabus.
- In case of any unforeseen holidays, bandh's the change of examination date is finalized and the students are intimated regarding the same.

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://amcec.edu.in/wp-content/uploads/2022/03/POPSOCO-2015-2016.pdf>

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
CSE	BE	Computer Science Engineering	149	146	98

ISE	BE	Information Science Engineering	64	60	97
ECE	BE	Electronics and Communication Engineering	106	100	97
ME	BE	Mechanical Engineering	120	113	94
EEE	BE	Electrical and Electronics Engineering	36	30	83
CNE	Mtech	PG-Computer Network Engineering	0	0	0

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2.7 – Student Satisfaction Survey

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

https://amcec.edu.in/wp-content/uploads/2022/03/2.7_15-16.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	365	VGST	40000	40000
Minor Projects	365	KSCST	21000	21000

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3.2 – Innovation Ecosystem

3.2.1 – 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
Nil	Nil	

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Bronze level partner	Mr. Ananthangu U	Infosys	01/08/2016	Campus Connect Faculty Partnership

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	Nil
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	1	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Nil	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering	8	1.6
International	Computer Science and Engineering	7	0.9
International	Electrical Electronics Engineering	2	1.8
International	Information Science and Engineering	12	1.2
International	Electronics and Communication Engineering	12	1.2
International	Master of Business Administration	7	0.5
International	Physics	7	1.1
International	Chemistry	7	0.9
International	Mathematics	6	1.2
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science Engineering	2
View File	

3.3.5 – 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	Number of citations
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					mentioned in the publication	excluding self citation
Global Feedback Based Online Learning through Distributed Multi Agent	KarthiPrem S	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2016	3	AMCEC	3
IoT Framework For Smart Home Using Cloud Computing Via Open Source Mobile Platform	G.G. Siv asankari	International Journal of Computer Engineering and Applications	2016	5	AMCEC	5
Detection of fradulant and malicious Websites by analysing user reviews for online shopping websites	Asha S Manek	International Journal of Knowledge and Web Intelligence	2016	9	AMCEC	9
Aspect Term Extraction For Sentiment Analysis In Large Movie Reviews Using Gini Index Feature Selection Method And Svm Classifier	Asha S Manek	World Wide Web, Springer	2016	6	AMCEC	6
Processing and Wear	Shivananda B K, Madev	International Journal of	2016	7	AMCEC	7

Behavior of Al ₂ O ₃ Particulates Reinforced Al-4.5Cu Alloy Composites	Nagaral V Auradi	Mechanical and Production Engineering				
Effect of SiC and Graphite Particulates Addition on Wear Behaviour of Al2219 Alloy Hybrid Composites	M Nagaral, BK Shivana nda, V Auradi SA Kori	IOP Conf. Series: Materials Science and Engineering	2016	6	AMCEC	6
Review on electro magnetic welding of dissimilar materials	K. Shanthala T.N. Sreenivasa	Frontiers of Mechanical Engineering (FME), Springer	2016	5	AMCEC	5
An Automatic Screening of Optic Disc and Cup in Retinal Images	Kavitha. T	International Journal of Advanced Engineering Technology	2016	15	AMCEC	15
Performance Analysis and Design of Automatic attack identification for Ad-hoc wireless channel and Improvement in coverage	Savita Patel	International Conference on Intelligent and Computing	2016	14	AMCEC	14
A Survey on residential demand side management architecture	Priya Esther, Sathish Kumar .V	Elsevier journal, Renewable and Sustainable Energy Reviews	2016	12	AMCEC	12

re, approaches, optimization models and method					
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A Novel Design in Formal Verification Corresponding to Mixed Signals by Differential Learning, Software Engineering Trends and Techniques in Intelligent Systems	Manjunath Ramachandra	Springer	2016	1	14	AMCEC
Performance Analysis and Design of Automatic attack identification for Ad-hoc wireless channel and Improvement in coverage	Savita Patel	International Conference on Intelligent and Computing	2016	1	8	AMCEC
A Survey on residential demand side management architecture, approaches, optimization models and	Priya Esther, Sathish Kumar .V	Elsevier journal, Renewable and Sustainable Energy Reviews	2016	1	12	AMCEC

method						
Global Feedback Based Online Learning through Distributed Multi Agent	KarthiPrem S	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2016	1	3	AMCEC
IoT Framework For Smart Home Using Cloud Computing Via Open Source Mobile Platform	G.G. Siv asankari	International Journal of Computer Engineering and Applications	2016	2	5	AMCEC
Detection of fradulant and malicious Websites by analysing user reviews for online shopping websites	Asha S Manek	International Journal of Knowledge and Web Intelligence	2016	2	9	AMCEC
Aspect Term Extraction For Sentiment Analysis In Large Movie Reviews Using Gini Index Feature Selection Method And Svm Classifier	Asha S Manek	World Wide Web, Springer	2016	2	6	AMCEC
Processing and Wear Behavior	Shivananda B K, Madev Nagaral V	International Journal of Mechanical	2016	2	7	AMCEC

of Al ₂ O ₃ P articulate s Reinforced Al-4.5Cu Alloy Composites	Auradi	and Production Engineerin g				
Effect of SiC and Graphite P articulate s Addition on Wear Behaviour of Al ₂ 219 Alloy Hybrid Composites	M Nagaral, BK Shivana nda, V Auradi SA Kori	IOP Conf. Series: Materials Science and Engine ering	2016	2	6	AMCEC
Review on electro magnetic welding of dissimilar materials	K. Shanthala T.N. Sreenivasa	Frontiers of Mechanical Engineerin g (FME), Springer	2016	1	5	AMCEC

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

Number of Faculty	International	National	State	Local
Attended/Semi nars/Workshops	0	0	14	40
Presented papers	69	0	0	0
Resource persons	0	0	10	10

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3.4 – Extension Activities

3.4.1 – 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
Organized by Times of India Group on 02/11/2015 - Diabetics Camp	AMC Engineering College	6	100
Campus Cleaning on 03/11/2015	AMC Engineering College	5	100
Blood Donation camp was organized under the Lions club (Jigani) at	AMC Engineering College	5	100

AMCEC on 01.10.2015			
Engineers Day Celebration, Plantation of Sapplings on 15/09/2015	AMC Engineering College	6	100
Seminar on Financial Savings by IDFC on 11/9/2015	AMC Engineering College	5	100
Independence Day Programme on 15/08/2015	AMC Engineering College	5	100
12/02/2015 Legal Awareness Programme by Honorable Mr. Justice H. C. Patil, High Court Judge	AMC Engineering College	6	100
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3.4.2 – 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
Legal Awareness Programme	Appreciation and recognition	Honorable Mr. Justice H. C. Patil, High Court Judge	100
Diabeties Camp	Appreciation and recognition	Organized by Times of India Group	100
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Organized by Times of India Group on 02/11/2015 – Diabeties Camp	AMC Engineering College	Organized by Times of India Group on 02/11/2015 – Diabeties Camp	6	100
Campus Cleaning on 03/11/2015	AMC Engineering College	Campus Cleaning on 03/11/2015	5	100
Blood Donation camp was organized under the Lions club (Jigani) at AMCEC on	AMC Engineering College	Blood Donation camp was organized under the Lions club (Jigani) at AMCEC on	5	100

01.10.2015		01.10.2015		
Engineers Day Celebration, Plantation of Sapplings on 15/09/2015	AMC Engineering College	Engineers Day Celebration, Plantation of Sapplings on 15/09/2015	6	100
Seminar on Financial Savings by IDFC on 11/9/2015	AMC Engineering College	Seminar on Financial Savings by IDFC on 11/9/2015	5	100
Independence Day Programme on 15/08/2015	AMC Engineering College	Independence Day Programme on 15/08/2015	5	100
Legal Awareness Programme by Honorable Mr. Justice H. C. Patil, High Court Judge	AMC Engineering College	12/02/2015 Legal Awareness Programme by Honorable Mr. Justice H. C. Patil, High Court Judge	6	100

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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Faculty exchange, student exchange	86	AMC Engineering College	365
Faculty exchange, student exchange	76	AMC Engineering College	365
Faculty exchange, student exchange	5	AMC Engineering College	365

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3.5.2 – 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
Projects	Projects	SUNSYS Technologies	01/08/2015	01/12/2015	AMBIKA DODDAMANI
Projects	Projects	MLEWZKLAWZ IT Solutions Pvt. Ltd	03/08/2015	01/12/2015	RADHIKA B G
Projects	Projects	MLEWZKLAWZ IT Solutions Pvt. Ltd	03/08/2015	01/12/2015	SHRUTI KONAKANAGON
Projects	Projects	Anspro Technologies	03/08/2015	01/12/2015	RADHA D

Projects	Projects	ISRO Telemetry Tracking and Command Network	24/05/2015	01/07/2015	SHARAJ KOUNDINYA SHREE PHANEENDRA SHARMA AM
Projects	Projects	ISRO Telemetry Tracking and Command Network	11/01/2015	30/04/2015	CHETAN CHOUDHARY S V ABHIJEET
Projects	Projects	MLEWZKLAWZ IT Solutions Pvt. Ltd	08/03/2015	01/12/2015	SANTHOSH KUMAR H
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
aTechTron	10/07/2015	Workshop on Java To conduct industry standard workshops on Android Programming.	96
33 Connect	02/02/2015	Mobile App Development Workshop To conduct industry standard workshops on Mobile and Cloud Computing.	91
CADD Centre Training Service - LIVEWIRE	02/04/2015	Training Program	30
AND Technology	06/02/2015	Training Program	20
Vi Microsystems private Limited	08/05/2015	Use of laboratory library facilities for their R D testing works	5
View File			

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
620	553

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing

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

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
Easy Lib	Fully	6.A	2003

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	52797	198193	2632	755341	55429	953534
Reference Books	8990	6944570	125	81250	9115	7025820
e-Books	13599	490840	0	230000	13599	720840
Journals	55	2468837	0	88713	55	2557550
e-Journals	6197	3327510	3791	1308000	9988	4635510
Digital Database	1	116070	0	11500	1	127570
CD & Video	3433	0	62	0	3495	0
Library Automation	1	70200	0	0	1	70200
View File						

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	847	654	135	32	140	6	34	135	1
Added	30	30	0	0	0	0	0	0	0
Total	877	684	135	32	140	6	34	135	1

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

135 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
Handicam, Tripod, TV, Still camera, Scanner. Internet, Wi-Fi, Mike, Projector, Projector Screen, Laptop,	https://drive.google.com/file/d/1xjehbdfpMShmFn0HCp7Ik5aYtCA1KYUr/view?ts=6249501f

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
84.2	76.22	1120	1095

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, provide link)

AMCEC has 63 Class rooms in the campus, 29 classrooms and 6 seminar halls have ICT facilities. Class rooms are allotted as per submission of requirement and are used as per allotted Time table. Faculties use teaching aids like Projectors, Laptops for teaching. Class rooms are taken care properly by Maintenance team. Institution is facilitated with 54 UG Programme and 8 PG Programme Laboratories belonging to diverse departments. All the Laboratories in the campus are well equipped with latest equipment's and materials, for curriculum aspects to students as well as to motivate them to do research activities. Purchase Committee decides regarding the purchase of Lab requirements, accordingly Equipment's are procured in structured manner. Stock register is maintained and has systematic entries of procured equipment's and consumables. First Aid facility and Fire extinguishers are provided in each Laboratory. Do's and Dont's for students are displayed. Institution has sufficient ICT facilities with current trending configuration. IT admin is available in the college for Procurement of Computer, accessories, hardware and software requirements recommended by Department Heads. Antivirus, Updating Hardware and software are done regularly. Institution has one Main Library for UG and one Main Library for PG and one reference section, managed by Qualified Librarians, and supporting Library staff. Books are procured through

recommendations made by faculties, students and research scholar's requirement, are considered. Institution has organized circulation policy implemented effectively. Online e resources are subscribed to all the Programmes through the VTU E-Resources Consortium. These resources are IP based and can be accessed anywhere in the campus only available through the website. It is approved by committee/principal based on budget following terms/conditions. Stock verification is done every year by members appointed by Principal (Faculty from each department, Library staff). Silence/calm atmosphere is maintained in library. Mobile phones/Food/drinks are not allowed in library. Bags/personnel books are not allowed. Library is not responsible for personnel loss. Books are returned/renewed physically in time. Materials can be taken out after proper issue. Institution has Sports and GYM facilities in the campus to strengthen Sports/games/cultural activities. AMC cricket ground is used for NCC/Sports events. Physical Education Trainer is available to train the students for all the sports activities. Advisory committee suggests/advice on sports matter. Sport Facilities are provided by staff under guidance and is maintained well, under guidance of Physical Education Trainer. Two DG sets (125KVA and 82.5KVA|) are available in the campus in case of power failure,

https://amcec.edu.in/wp-content/uploads/2022/03/4.4.2_2015-16.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Paramahansa Foundation trust	23	287500
Financial Support from Other Sources			
a) National	State GOK Social welfare OBC Supernumerary quota Defence scholarship DTE JK	962	23997125
b) International	Nil	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft Skills Development - Group discussion	13/07/2015	466	ASK (ACADEMY FOR SKILLS AND KNOWLEDGE) BY ZANE zanecuxton@gmail.com, http://www.globalfacereaders.com
Soft Skills Development - Training	18/07/2015	465	ASK (ACADEMY FOR SKILLS AND KNOWLEDGE) BY ZANE zanecuxton@gmail.com, http://www.globalfacereaders.com

Soft Skills Development - Training	11/07/2016	466	People logic
Remedial Coaching for Slow Learners - Special Classes Post the Class Hours	19/10/2015	125	Handled by Faculty Members of each Department identifying the slow learners
Language Lab - Spoken English Classes	10/02/2015	381	Mr.Rajesh MBA Department (Humanities and Science Dept)
Language Lab - Vocabulary Coaching	15/02/2016	381	Mr.Rajesh MBA Department (Humanities and Science Dept)
Personal Counselling Mentoring - Addressing the students on the aspects of Mentoring and responsibilities	10/02/2015	576	Individual Faculty-in-charge, HOD, Class Co-ordinators Mentors
Bridge Courses - Addressing the prerequisite for the specific subject	10/08/2015	576	Faculty members handling subject of each Department, Department of Mathematics, AMCEC
Yoga Meditation - Meditation and Yoga Practicing	21/06/2016	144	Yoga Day Pathanjali, Arogya Kendra Bannerghatta Road, Gottigere, Bangalore Ph No: 080-41279691, 09591155547 Baanu Prasanna/9741007896
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2016	IAS coaching / KAS Coaching/ GATE Coaching/ GRE /TOEFL C	540	544	12	353

Coaching/Communication
Coaching/
Entrepreneur
Training
program

[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
0	0	0

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
INFOSYS as kus@infosys.com, 08028520261 HP INC hpcampusrecruitment@hp.com, 08026129821 ACCENTURE www.accenture.com 3M DIGITAL, www.3mdigital.com AUTOSCENSE ALLSTATE INDIA, www.allstate.com AMAZON, www.amazon.com, 08066055000 AROWANA CONSULTING, info@arow	881	347	INTELLIPAAT SOFTWARE, ITC Infotech SHIPPR contact@shippr.in, 7090052244 HEALTH5C, Globallogic, INTELLIPAAT SOFTWARE ROBOSOFT careers@robosoftin.com, 08048504253 ACCENTURE www.accenture.com AUTOSCENSE GRAPHENE SEMICONDUCTOR www.graphsemi.com HP INC	77	50

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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
2016	4	BE	Computer Science Engineering	CORK INSTITUTE OF TECHNOLOGY NATIONAL COLLEGE OF	MSC INFORMATION SECURITY MS IN CLOUD COMPUTING

IRELAND
NORTH
CAROLINA
STATE
UNIVERSITY
SJSU

MASTER OF
COMPUTER
SCIENCE MS
SOFTWARE
ENGINEERING

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

Items	Number of students selected/ qualifying
GRE	2
TOFEL	8
Civil Services	2

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

Activity	Level	Number of Participants
Alumni Cricket Match	Intra-college	50
Chakravyuha-2016	intercollegiate youth festival	50
Fashion show	Intra-college	2000
Freshers Day	Intra-college	2000
Teachers Day Celebration	Intra-college	2000
Ethnic Day Celebration	Intra-college	2000
Intercollegiate Fest Melange-2K16	Intra-college	2000
Colosseum 2k16 Intra Collegiate Fest	Intra-college	2000
Mech Mela 1.0	Intra-college	2000

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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
2016	VTU CRICKET SEMIFINALIST	National	1	Nil	1AM14MCA45 1AM11ME117	UTTAM MK KARTHIK MN
2016	VTU TABLE TENNIS	National	1	Nil	1AM15CS 145 1AM13IS059 1AM13IS064	RAHUL N PRAMOD AGNIHOTRI RAJATH G R AITHAL
2016	VTU KABADDI	National	1	Nil	1AM14EE024	PAVAN J MOODY

1AM13EE404	MADHU
1AM12ME117	MOHAN M
1AM14IS071	KARTHIK MN
	RAHUL R
	NAYAK

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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)

Student council activities provides an opportunity to develop leadership, career, teamwork, problem resolving, communication skills by organizing, carrying out different activities. The student council representatives (one each from boys and girls) from every department. Principal will head the council, assisted by the vice-president, secretary and coordinator from all departments. The student council plays active roles:

- Takes initiative and conducts different competitions from academics and provide the competitive environment at state and national level.
- Plays a role in improving the efficiency of the operations of the library and sourcing latest books, Journals and research activities.
- Sensitize the students about the ill effects of ragging and anti-sexual harassment in the campus and dissuade them.
- Assist the Alumni association in organizing its activities.
- Takes initiation to keep the campus neat and clean through NSS activities.

Women Empowerment Anti-sexual Harassment Committee/Anti-ragging Cell Activities Conducted "Workshop on Self-Defence for Women" "Session on Women -Empowerment" on 03/04/2017 21/02/2017 Sports/Cultural Committee Activities organized

- VTU Bangalore south zone kabaddi tournament Runners on 12th 13th April, 2017
- GAT Cricket Cup Winners on 21/04/17-30/04/17
- VTU Single Zone tournament on 29/04/17-30/04/17
- VTU south zone Hockey tournament runners on 16/04/17-17/04/17
- VTU intercollegiate South zone Volley Ball Men Women tournament on 27/03/17 30/03/17
- VTU South zone Volley Ball tournament at BTLIT, Bangalore 11/02/2017 12/02/2017
- Samara-2K18 throw ballVolley ball tournament on 17/04/2017
- VTU Bangalore South Zone Inter - Collegiate Kabaddi (M) Tournament on 20.10.2016.
- T-20 AMC Cricket Tournament on 16.05.2016
- Mélange Sports competition on 10/04/201711/04/2017
- Colosseum sports on 30/8/2016 31/08/2016
- Alumni Cricket Competition on 08/09/2016 to 9/9/2016

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Institute has a strong alumni association which is registered in the name of "The Alumni Association of AMCEC", Bengaluru on 3rd November 2014. The Association has opened an Account in the "State Bank of India", AMC Campus branch to operate the funds for various Alumni activities. The associations functions and operates as mentioned in the Bye-laws such as conducting technical programmes, arranging lectures by eminent persons, newsletter, cultural, literary and sports activities. Every year second week of December, the alumni meet will be organized. The alumni from different branches of the under graduate and post graduate programs share their views and give suggestions for the betterment of their junior students in the Annual meet. The alumni meet is hosted by the management generously and the alumni are honored with mementos. So far 3 alumni meet have been conducted. Alumni contributes financially by registering. They also have immensely contributed in terms of non-financial means like placements of their juniors in their company, acting as resource persons for guest lecturers to give an insight to the industry requirement, current technology requirements and trends, industry connect and guidance for postgraduate studies in India and abroad. The alumni Meet helps in

building a network of the alumni and helps in being in touch with the corporate world. They share their experiences, knowledge and advice the students. Through these alumni meets, a strong bond is created between the passed- out students and the current batch. The association helps in holding interactive sessions to motivate current students about the employability and educational opportunities/ work culture/living standards and condition abroad. The alumni sponsor scholarship every year to meritorious students of all branches who are economically weak. This is given away to the respected students in the alumni-meet. There are many examples wherein alumni render their services during weekends/free time/vacation. The Alumni provide feedback on competencies gained during their course and provide valuable information to improve curriculum on a continual basis. Alumni are part of IQAC, Departmental Advisory Board etc. Alumni provide formal feedback once in a year in the alumni meet about the overall improvement of the institution/placements/results through Alumni Survey and their feedback has helped the effective implementation of the OBE process. The Alumni Association creates and maintains a life-long connection between the Institute and its alumni. It was registered with 14 members but now number has grown up to more than 3,500 alumni. The Alumni Association works to connect alumni, support students and build an unforgettable Institute experience through a diversity of events, programs and services.

5.4.2 – No. of enrolled Alumni:

752

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

188000

5.4.4 – Meetings/activities organized by Alumni Association :

The Institute has a strong alumni association which is registered in the name of "The Alumni Association of AMCEC", Bengaluru on 3rd November 2014 with Society Number: JNR-S272-2014-15. The Association has opened an Account in the "State Bank of India", AMC Campus branch to operate the funds for various Alumni activities. The associations functions and operates as mentioned in the Bye-laws such as conducting technical programmes, arranging lectures by eminent persons, newsletter, cultural, literary and sports activities. Every year second week of December, the alumni meet will be organised. The alumni from different branches of the under graduate and post graduate programs share their views and give suggestions for the betterment of their junior students in the Annual meet. The alumni meet is hosted by the management generously and the alumni are honoured with mementos. So far 3 alumni meet have been conducted at the institute level. Departmental Alumni meet also conducted twice in a year. Alumni contributes financially by registering. They also have immensely contributed in terms of non-financial means like placements of their juniors in their company, acting as resource persons for guest lecturers to give an insight to the industry requirement, current technology requirements and trends, industry connect and guidance for postgraduate studies in India and abroad. The alumni Meet helps in building a network of the alumni and helps in being in touch with the corporate world. They share their experiences, knowledge and advice the students. Through these alumni meets, a strong bond is created between the passed- out students and the current batch. The association helps in holding interactive sessions to motivate current students about the employability and educational opportunities/ work culture/living standards and condition abroad. The alumni sponsor scholarship every year to meritorious students of all branches who are economically weak. This is given away to the respected students in the alumni-meet. There are many examples wherein alumni render their services during weekends/free time/vacation. The Alumni provide feedback on competencies gained during their course and provide valuable

information to improve curriculum on a continual basis. Alumni are part of IQAC, Departmental Advisory Board etc. Alumni provide a formal feedback once in a year in the alumni meet about the overall improvement of the institution/placements/results through Alumni Survey and their feedback has helped the effective implementation of the OBE process. The Alumni Association creates and maintains a life-long connection between the Institute and its alumni. It was registered with 14 members but now number has grown up to more than 3,500 alumni. The Alumni Association works to connect alumni, support students and build an unforgettable Institute experience through a diversity of events, programs and services.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institute functions with decentralized administration that has complete transparency in the decision making process. The BOG has delegated powers to the Principal to conduct the Academics, institutional development, curricular and extra-curricular activities. The Principal in turn has delegated certain powers to the HODs and office staff. The Dean, HODs with Principal meet chairman every week to discuss academic administrative issues and to take appropriate decisions from time to time. The Principal, Dean HODs are delegated adequate powers for smooth functioning of the Institute. The College has constituted many committees to decentralize the activities and for smooth functioning of the Institute. Each committee consists of members from all departments who meet regularly to carry out the duties and functions of the committee effectively. The coordinator of the committee briefs the principal on important decisions taking and the progress of their implementation. The case study of the preparation of Academic Planner, time table subject allocation The institution functions with the method of decentralized governance system. The head of the department has been bestowed with the authority of deciding the activities and delegating the responsibilities to the staff members. The department decides timetable, subject allocation, purchase and maintenance of equipment and consumables, organizing conferences, symposia, guest lectures and workshops and recommends necessary industrial visits, in-house trainings, internships and M o Us. The institution is functioning effectively with the culture of participative management which enables the faculty and students to give their opinion and suggestions for improvement. All the academic activities are decentralized and decisions are taken based on discussion and deliberations in the class committee meetings, department meetings, faculty meetings, HODs' meetings with Principal. The Principal coordinates with the departments, administration and management.. Every year Academic Calendar is prepared at the closure of the previous academic year in accordance with the University Academic Calendar. Principal will convene the HODs' meeting., Dean, HODs, Training Placement, Librarian and Director of Physical education will attend the meeting. The schedule of the following will be discussed and finalized in accordance with the schedule received from affiliating university

? Re-opening for the next academic year, Working days / test days / Conferences/ Department Symposium /Association activities ? IEEE, ISTE, SAE, ACCI and CSI activities/ Guest Lectures ? Video Classes/ Industrial Visits /Internships /Placement Training ? Internal Quality Audits/ External Audit ? FDPs / Workshops / IQAC Meetings/FDP Meetings ? Mini Project Exhibition - III years ? Project Exhibition - Final year ? Project Exhibition - First year ? Blood donation camp, NSS camp and NCC camp ? College / University Sports/ College Functions like Induction Day, Women's Day, Engineers' Day, Teachers' Day, National Science Day, Sports day, College day, Cultural activities like Colosseum, Mélange, and Graduation Day etc. The schedule approved by the

Principal will be sent to Chairman for approval. After receiving the approval, permission will be granted for the committees concerned for the preparation of Academic Calendar. Nearly 90 of the events as per schedule is conducted every year. The remaining percentage rescheduled

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	The college follows the admission guidelines as prescribed by the affiliating university. Merit list reservation policies are followed also to achieve UG admissions. The State Government norms are followed to achieve PG admissions. 50 percent of the seats are filled under government quota and 50 percent are filled under management quota. Many out of state students have taken admission to this college. There is a dedicated admission team to make sure that the admission process is carried out smoothly in a fair and transparent manner to the satisfaction of all the concerned stakeholders.
Industry Interaction / Collaboration	The Placement department regularly conducts pre-placement training for students to enhance their skills and to make them industry ready. Also, placement drives are conducted on campus wherein reputed companies like Infosys, Wipro, Mahindra, TCS, Accenture, Capgemini and others visit and carry out campus placements. Off-campus placement drives like 'Pool Campus Drives 'are also arranged to place final year students with attractive packages. Besides this, students are deputed for internships in various industries. Industry experts visit the campus to share their knowledge and interact with students too.
Human Resource Management	Both the academic departments and administrative departments are well established in the institute. College level committees have been formulated to handle staff grievance redressals, sexual harassment complaints, and for any kind of staff welfare requirements. The HR department maintains all Teaching and Non-Teaching records and regularly updates it. On-campus medical

facilities are available for not only hostel students but for day scholars and faculties too. Both faculties and students are encouraged to attend FDPs, seminars, conferences, and workshops on a regular basis to inculcate a research environment in the campus. Faculties are regularly deputed on refresher courses also.

Library, ICT and Physical Infrastructure / Instrumentation

Library facilities, sports facilities and academic facilities are regularly enhanced. Most of the library services are automated. Journals and newspapers are regularly subscribed. Additional books are purchased every year. Newspapers are subscribed in both English and regional languages. The engineering library and as well as the PG library are equipped with computers to facilitate browsing for research purposes.

Research and Development

Faculties are encouraged and funded by the institute to publish articles in reputed journals and to publish books also. The inhouse plagiarism software is used actively by both faculties and students. Faculties and students present their research papers in various national and international conferences and seminars. Each department has their own Research Cell to encourage faculties to complete their doctorate. Faculties are rewarded for their excellence in teaching every year. The E-Cell department encourages students to come out with innovative ideas for Start-Ups. Interdisciplinary research is actively encouraged. Industrial interaction is encouraged to facilitate a research-centric environment in the campus.

Examination and Evaluation

The examination cell ensures timely and complete evaluation of students. The students are evaluated internally through unit tests, assignments, internships, projects etc. along with co-curricular activities. Continuous evaluation of students is carried out through internal evaluation and through external evaluation. The examination cell ensures smooth conduct of external examinations without any malpractice.

Teaching and Learning

The latest teaching aids are applied by teachers such as LCD projectors, computers, charts, models etc. The teaching learning process is highly

	<p>interactive keeping the students interests in focus. Students actively engage in group discussions, tutorials, field projects, assignments, presentations, and seminars.</p> <p>Experiential learning methods are applied like laboratory work, funded projects, industrial visits, building prototypes, science exhibitions etc. As per industry requirements, labs have been upgraded with the latest infrastructure.</p>
Curriculum Development	<p>Curriculum delivery is carried out effectively in the institution. A college level committee prepares the college level academic calendar, based on the affiliating university's Academic Calendar of Events. Based on the college level academic calendar, individual departments prepare their departmental Calendar of Events and Timetable. The departmental timetable is prepared for each individual teacher based on the subjects they teach.</p> <p>Curriculum objectives are fulfilled through the academic calendars. At regular intervals, timely feedback is collected from students regarding the faculties and the course.</p>

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

E-governance area	Details
Planning and Development	E-governance planning and development in a form of educational technology facilitates learning via online courses and contents. Unlike traditional forms of classroom education, e-learning is always available, highly adaptable to each student's level of current knowledge through the ERP software called DHI. There is a digitized library to access the materials online through separate account for students and the staff through NIMBUS account.
Administration	Administration of faculties and students are implemented through the ERP software called DHI. Which has SMS based information dissemination
Finance and Accounts	Online fees collection module with receipt generation system is implemented through college website. Accounts department is using Tally software for finance management.
Student Admission and Support	1. Admission details are made available with the ERP software called DHI. 2. Online feedback system is

	<p>available in ERP software. 3. Conduction of online classes through Google classroom, Zoom meeting and other software's. 4. Integration of mail access in CAMPUS portal. 5. SMS dissemination module integration. 6. Student attendance and progress reports made available with ERP system. 7. Digitized library system with separate account for every student.</p>
Examination	<p>1. Online exam conduction- through Google classroom. 2. Creating question papers on DHI software. 3. Selecting question types. 4. Conducting quiz and assignments through DHI. 5. CIE marks can be viewed by the students in ERP software. 6. Exams are conducted according the university Rules and Regulations.</p>

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 !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the College 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)
2015	Power System transient analysis using Mi-power	NIL	12/03/2015	13/03/2015	15	Nil
2015	Controllers and its application	NIL	20/04/2015	20/04/2015	10	Nil
2015	Transmission line vibration and control strategies	NIL	04/08/2015	04/08/2015	28	Nil

2016	NIL	Awareness on INUX Operating system	18/04/2016	20/04/2016	Nil	13
Nil	FDP on Research Methodology	NIL	24/07/2015	24/07/2015	100	Nil
Nil	FDP on " Refreshing course in Mechanical Engineering Laboratories "	NIL	20/07/2015	24/07/2015	30	Nil
Nil	FDP on NS2	NIL	22/07/2015	23/07/2017	15	Nil
Nil	Workshop on IT trends Drupal CMS	NIL	17/03/2015	19/03/2015	30	Nil
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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
FDP ON CLOUD COMPUTING	6	11/03/2016	12/03/2016	2
2016 IEEE International Conference on Recent trends in Electronics, Information Communication Technology (RTEICT-2016)	1	20/05/2016	21/05/2016	2
FDP Jointly organized by COMPUTER SOCIETY OF INDIA- Bengaluru Chapter and VTU- Belagavi	1	08/03/2015	09/03/2016	2
FDP on HANDS ON SESSION ON OS	2	11/11/2016	12/11/2016	2
AICTE Sponsored Staff	2	16/09/2016	17/09/2016	2

Development Programme on INTERNET OF THINGS				
Faculty Enablement Program on Foundation Program 5.0	1	26/12/2016	30/12/2016	4
FDP ON VIRTULIZATION USING VSPHERE 6.0	1	19/12/2016	23/12/2016	5
SYMPOSIUM ON WOMEN EMPROWERMENT	1	26/02/2016	26/02/2016	1
FDP ON WOMENS DAY	1	08/03/2016	09/03/2016	2
WORKSHOP ON SIX SIGMA	1	17/04/2016	19/04/2016	3
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
336	336	268	268

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
14	6	4

6.4 – Financial Management and Resource Mobilization

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

A Internal Audit: The internal audit is an ongoing continuous process. Qualified Internal Auditors from external and internal resources have been permanently appointed and a team of staff under them do a thorough quarterly basis check and verification of all payments, receipts journals vouchers of the transactions cash books, ledger account review that are carried out in each financial year on an accrual basis system External Audit All the financial transactions of the institute are audited by an external agency. The external audit is carried out by the auditors as per the provisions of the Government rules and regulations. The Institute has maintained the highest level of transparency in all financial transactions. It may be seen from the audited reports that all the financial transactions are carried out as per the standard norms. The audited reports are uploaded in the college website as per AICTE norms. An extract of the audited report by the external agency is attached.

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

31070989

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	Tier-1 Institution	Yes	Principal
Administrative	Yes	Tier-1 Institution	Yes	Principal

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

? To improve the overall academic performance of students by actively involving parents ? and teachers alike in the process. ? The Parent's feedback is obtained during parent's teacher's meeting (PTA) ? Parents as stake holder.

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

• Awareness on INUX Operating system •

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

Not Accredited

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
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
2015	Quality initiative – FDP on " Refreshing course in Mechanical Engineering Laboratories "	20/07/2015	20/07/2015	20/07/2015	80
2015	Quality initiative FDP – on "Research Methodology"	24/07/2015	24/07/2015	24/07/2015	52
2015	Quality initiative on "SAP and	08/01/2015	08/01/2015	08/01/2015	80

	its benefits of its adoption in the Industry"				
2015	Quality initiative on "Current Trends in the Information Technology Industry"	08/10/2015	08/10/2015	08/10/2015	90
2015	Quality initiative - Technical talk on "Green building"	19/08/2015	19/08/2015	20/08/2015	36
2015	Quality initiative Training on EPR labs conducted titled "Make objects, Gadgets and Robots"	19/09/2015	19/09/2015	20/09/2015	85
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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
A Seminar on Prevention of Sexual Harassment	05/10/2016	05/10/2016	119	70
International Women's Day 2016	08/03/2016	08/03/2016	133	75
AMC Faculty Sports Day	22/08/2015	22/08/2015	115	103
Introduction to Safety ,Security and Threat Awareness Program	17/08/2015	17/08/2015	110	95

International Women's Day 2015	09/03/2015	09/03/2015	135	97
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7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
<p>The institution has been replacing the traditional tube lights with LED lights. This has led to a power saving of about 7080units/year. Hybrid plant and few solar streetlight are installed in the surrounding premises of the institution. During 2017-18 a total of 20 No of CFL lights with rating of 36 W each were replaced with 16W LED lights, thus reflecting a total saving of 300units/annum. Similarly, replacement of 6 No of CFL lights with rating of 18 W each were replaced with 9W LED lights, thus reflecting a total saving of 19.2units/annum. Thus total annual power saving 19.2units/year. ? Total power requirement of the institution is 80.5KVA/month ? Power requirement met by renewable energy sources -3.5kVA/month ? Renewable energy source is Solar plant ? Renewable energy generated and used -2KVA ? Energy supplied to the grid - 100KVA</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	1000
Ramp/Rails	Yes	350
Braille Software/facilities	Yes	0
Rest Rooms	Yes	1000
Scribes for examination	No	2
Special skill development for differently abled students	Yes	0
Any other similar facility	Yes	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
2015	1	Nil	12/02/2015	1	Legal Awareness Programme VENUE: AMC Campus	Legal Awareness	500
2015	1	Nil	07/11/2015	1	Free Education for Gover	Empowerment through	200

					ment Schools VENUE: AMC Campus	Education	
2016	1	Nil	05/05/2016	1	Blood Donation Camp, Lions Club VENUE: AMC Campus	Blood Donation	200
2015	Nil	1	03/11/2015	1	Cleaning the Campus Area VENUE: AMC Campus	Cleaning of Surrou nding	200
2015	Nil	1	01/10/2015	1	Blood Donation Camp, Lions Club VENUE: AMC Campus	Blood Donation	450
2015	Nil	1	21/06/2015	1	Inter	Health	60
2015	Nil	1	06/06/2015	1	World e nvironmen t day VENUE: AMC Campus	Environ ment	250
2015	1	Nil	10/04/2015	1	Voters Awareness program VENUE: AMC Campus	Voter Awareness	150
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Student Handbook	27/07/2015	This Handbook is designed as a guide to help the under graduate students to explore the opportunities and resources available while pursuing engineering

degree here at AMCEC. There are numerous student support services and academic programs to choose from to further your academic performance . The college has five NBA accredited undergraduate programmes under BE format from 2018-2021. The class sizes are optimal to provide personal attention to each student, and courses are taught by faculty with experience in academia, industry and the public sector

Employees Administrative and Service Manual

14/06/2015

These rules may be called "The service rules for the employees of AMC Engineering College, Bangalore - 83. These rules shall come into force from the date of approval by the GC of the AMCEC apply to the employees of AMCEC. The GC of AMCEC reserves right to amend/ modify/alter /and add to any of these Rules and to bring any such amendment / alteration with effect from such date as it may fix

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day	15/08/2016	15/08/2016	250
Yoga Day	21/06/2016	21/06/2016	180
Swatch Bharath	09/05/2016	09/05/2016	480
Republic day	26/01/2016	26/01/2016	180
Campus Clean	03/11/2015	03/11/2015	200
Plantation on Engineer's Day	15/09/2015	15/09/2015	200
Awake India Programme	14/09/2015	14/09/2015	400

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

1. Restricted Entry of Automobiles
2. Designated parking at entrance of the campus
3. Battery Powered Vehicles
4. Pedestrian Friendly Pathways
5. Ban on

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 - The product design studio is an innovative thinking of the team. Energy and passion drives pushed the envelope to create cutting edge designs with the aim of approaching clients across several industries. Its young teams persistent attempt to create innovative design solutions that work for clients and helps them succeed. Product design Studio aim to be a force to reckon with on the global platform and showcase work that acts as a true catalyst in the success of future clients and the concept follow a simple process of 3 steps- Analyze, Create, Develop. During Analysis we get a good understanding of our end users, target market and competitors. Which helps us in understanding what to achieve at the end before beginning. Based on that analysis we start to ideate and brainstorm small ideas which eventually are converted to complete concepts. In the development phase we take the concepts and bring them to life in the world of 3D. Product Design Studio consists of

Drafting Boards: It is the one where the students ideas will be penned to pursue the existence towards the reality with respect to end user need. **Light Boxes:** This is where the ideas of unregistered sculpture will be traced and reworked with respect to design modification **Light boxes Master drafting Table :** Once the ideas have passed through the initial stages the final scrutinizing and combination of design for the creation of sculpture will be done on the master drafting.

Best Practice 2 - The College has E-Connect All (ERP) – PUPILPOD The main objective is to improve the overall academic performance of students by actively involving parents and teachers alike in the process. To facilitate easy access of the students’ details such as, attendance, internal marks, timetable etc., to parents and students. To establish instant communication between college, student and parents through alerts and messages. To give the HOD / Principal / Parents a bird’s eye view of the progress of all the students. In present engineering education scenario in India, given the age group of the students, there exists a communication gap among the students, their parents and teachers. Efforts must be taken to minimize this gap for better academic progress of students and their accountability towards parents and college. Also it is important for all faculty members to get updated information about college activities. The College has successfully implemented an internet based software solution called the “Pupilpod”. It helps to connect, the three pillars of institution, the students, the teachers and the parents at the click of a button. All the students’ details, attendance, University results and internal marks, assignments, timetable etc., are maintained through this software. Students and Parents can access these details using a login ID provided to them. Parents can stay updated about their ward’s progress through SMS and e-mails. Parents can interact with HOD/Principal about their wards through this software solution. As a result we obtained a well-managed data center implemented with the “Pupilpod” software. Well informed and well-connected parents and teachers. Improvement in attendance and IA performance by students. Availability of well-organized data about all students, faculty and Institution

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

<https://amcec.edu.in/wp-content/uploads/2022/03/7.2.1.pdf>

7.3 – Institutional Distinctiveness

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

PRODUCT DESIGN STUDIO The product design studio is an innovative thinking of the team. Energy and passion drives pushed the envelope to create cutting edge designs with the aim of approaching clients across several industries. It's young team's persistent attempt to create innovative design solutions that work for clients and helps them succeed. Product design Studio aim to be a force to reckon with on the global platform and showcase work that acts as a true catalyst in the success of future clients and the concept follow a simple process of 3 steps- Analyze, Create, Develop. During Analysis we get a good understanding of our end users, target market and competitors. Which helps us in understanding what to achieve at the end before beginning. Based on that analysis we start to ideate and brainstorm small ideas which eventually are converted to complete concepts. In the development phase we take the concepts and bring them to life in the world of 3D. Product Design Studio consists of Drafting Boards: It is the one where the student's ideas will be penned to pursue the existence towards the reality with respect to end user need. Light Boxes: This is where the ideas of unregistered sculpture will be traced and reworked with respect to design modification Light boxes: Master drafting Table : Once the ideas have passed through the initial stages the final scrutinizing and combination of design for the creation of sculpture will be done on the master drafting. Master drafting Table Clay modeling work benches: Clay modelling is the realization phase of two-dimensional concepts to 3 dimensional contours. Polymer clay of industrial standards are used and clay modelling is done as per scale realized in drafting of concepts.

Provide the weblink of the institution

<https://amcec.edu.in/wp-content/uploads/2022/03/7.3.1.pdf>

8.Future Plans of Actions for Next Academic Year

- To start new programs and research collaborations
- To increase the research output