Yearly Status Report - 2017-2018

Part A	
Data of the Institution	
1. Name of the Institution	**AMC ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr. A G NATARAJ**
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	**AMC Engineering College, 18th KM, Bannerughatta Main Road,**
City/Town	**Bangalore**
State/UT	**Karnataka**
Pincode	**560083**

2. Institutional Status	
Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. A K Murthy**
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/2022/07/AQAR-AMCE-2016-17-ReSubmitted.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/2022/03/2.-Institution-academic-calendar-2017-18.pdf

5. Accrediation Details

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

6. Date of Establishment of IQAC	**09-Sep-2014**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Quality initiative on	10-Feb-2017 4	58
Quality initiative on	17-Aug-2017 1	79
Quality initiative Training on	18-Aug-2017 3	45
Quality initiative on Android application Cash Runner	23-Aug-2017 1	60
Quality initiative	05-Sep-2017 1	78
Quality initiative on	08-Sep-2017 1	69
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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
Computer Science and Engineering	MODROBS	MODROBS	2018 365	11.65
Computer Science and Engineering	An Intelligent System to Track Patients with Alzheimers Disease and Lost Objects	KSCST	2017 365	0.05
Electronics and Commmunication Engineeirng	Design and Development of a voice based writing machine for disabled arm people	KSCST	2017 365	0.06
Mechanical Engineering	Design and Fabrication of Motorized Semi-Automatic Stairclimbing Wheelchair	KSCST	2017 365	0.08
Mechanical Engineering	Visualization and Analysis of Combustion Characteristics of Fuel in an Internal Engine	KSCST	2017 365	0.06
Mechanical Engineering	Design and development of a portable	KSCST	2017 365	0.06

	electromagnetic stent to avoid by-pass / open heart surgery			
Mechanical Engineering	Fabrication of oil extractor from Pongamia seeds for biodiesel	KSCST	2017 365	0.13
Mechanical Engineering	Utilization of Simarouba seed cake and Spent wash for the production of biogas	KSCST	2017 365	0.06
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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 :	**3**
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)

• **The main activity being formulation of plan of action and ensuring the execution of all activities. • Enhanced employability by implementing personality development programs, Value added certificate courses preplacement training program for the students. • Career Guidance and Placement Cell strengthened. • Publication of Journals of international standards Upgraded library by subscription to ejournals. • Seminars, conferences and invited talks arranged for students Faculty Members.**

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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
Improve the academic results and Placement	Graduation rate of 80 (Appx.)
Conduct National Level Seminars/ Conferences / Workshops / FDP by all Departments.	Conducted by all the departments
Energize the activities of all the clubs in the college.	All the departments' clubs are conducting events periodically.
Paper Publication (By Faculty members)	More papers were published by the faculties in reputed Journals.
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 Defense for women, Fire Brigade Demonstration, First Aid training Programme
MOU with Various international Universities to offer study programmes to faculties and students	The Coventry Team led by Dr. David Wright, Director of strategic initiatives visited AMCEC campus with a fond hope of long-lasting bond in the field of sustainable Engineering and Sciences.
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Council	15-Dec-2020

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	2018

Date of Submission	13-Dec-2018

17. Does the Institution have Management Information System ?	Yes

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	CAMPUS AUTOMATION AMCEC is fully automated using DHI Software automation system which facilitates the processes

followed by the college in its entirety and enables them to be streamlined. DHI uses the most reliable way of uniquely identifying students through website. DHI software is very useful in AMC for daily attendance, we can keep a systematic record of students details, mark sheet, attendance and defaulters list. The DHI enables the easy way of maintaining class attendance with fewer efforts. The system also generates a brief report of attendance from the database according to subjectwise or datewise as required. A defaulter list can be generated through system. Staff and HOD has the option to take a print of the reports and defaulter list thus generated. The Alumni Association of AMCEC is an association of graduates of former students. Through this alumni association, the college is linked with its entire alumni community. Alumni events keep alumni connected to the college and each other. CONTINUOUS IMPROVEMENT OF THE EXAMINATION SYSTEM FOR THE STUDENTS To measure the effectiveness of the understanding of the curriculum, the institute is conducting periodic internal tests. A centralized examination body conducts this unit test thrice in a span of one semester. The duration of one such internal test is about 1 hour 15 minutes each. The faculty handling these subjects prepares 2 sets of question papers for each subject and hands over the same to the exam cell. The examination cell will pick one question paper at random and is given on the day of internal test. Invigilation, scheme of valuation etc., is strictly as per the norms established by the VTU. Each question in the question paper is mapped to a course and program objective as per the guide lines of Blooms Taxonomy. A student centric learning platform called "Quicklrn" has been provided by the AMCEC. This learning software helps the students to firm up the lessons learnt in the class rooms. The platform uses a digitized teaching and learning process, allowing technology utilization in the learning activities. These learning activities help to measure effectiveness of learning for individual student, and identify advanced and slow learners. The

teachers can plan tutorial and remedial for individual students, based on these student learning insights. Students contribute to the efficient functioning of IQAC The Students are providing feedback on the teaching learning process regularly. The students organize various departmental festivals that inculcate in them the College quality policy Building a harmonious work culture and motivating everybody to contribute the best.

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

Curricular Planning and Implementation: 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. For the effective implementation of the curriculum of VTU, Whereas VTU is the sole custodian for the design and development of the curriculum framework and the technical contents there off, AMCEC follows the same in letter and spirit also AMCEC has taken several innovative steps towards achieving high degree of excellence in imparting quality technical education in the last 20 years. Process for effective implementation of curriculum Effective implementation of quality technical education is done through adoption of following steps, The syllabi and prescribed curricula are broken down into detailed lesson plans. These lesson plans shall carry diurnal practice and classroom discussions in each semester. Each topic is mapped to a Course-Outcome (CO) and a Program Outcome (PO). CO is provided by the VTU syllabus and the PO is mapped intuitively by the faculty. AMCEC which includes experts from both academic and industry. 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. A web-based tool called DHI software facilitates managing the lesson plans and CO-PO mapping. The lesson plans are regularly tracked for effective implementation. Effectiveness of student learning or cognitive level is indicated by assessment system. Each COs are assessed based on more than one process which includes direct assessment and indirect assessments. All the activities are defined with COs and are mapped to PO/PSO. Flow chart for the assessment process is given in the figure 1.1. 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 and are mapped to CO/PO/PSO. Direct assessment includes 30%CIA, 10% assignment and 60% SEE. Flow chart of attainment of course is depicted in the figure 1.2. 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 regarding each course and each student of the course. The flow chart in the figure 1.3 depicts the complete process for effective implementation of the curriculum from the course

selection all the way to the obtaining the course attainment. Practical implementation, Industrial Visits (IV) brings inclusivity for a professional career, and it is a part of college curriculum. The IV would provide an insight into industrial processes. The institute facilitates adequate exposure to the current trends. In order to accomplish this, students are taken to various industries, accredited research laboratories etc.

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
BIG DATA (CSE)	Nil	09/11/2017	6	Employability	Skill development
SQL AND PLSQL (ISE)	Nil	02/06/2016	9	Employability	Skill development
Mobile communication Technologies	Nil	08/05/2017	9	Employability	Skill development
IoT (ECE)	Nil	10/07/2017	27	Employability	Skill development
MATLAB and DSP Processor	Nil	10/07/2017	27	Employability	Skill development
Heating, Ventilation and Air conditioning	Nil	08/05/2017	10	Employability	Skill development
SMP	Nil	19/07/2016	5	Entrepreneurship	Skill development
Fundamentals of Internet of Things (loT) (Basic Science)	Nil	16/12/2017	6	Employability	Skill development
Pre-Placement Training	Nil	08/03/2017	5	Employability	Skill development
Cype Software (Civil)	Nil	16/08/2016	5	Employability	Skill development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	Nil	Nill
No file uploaded.		

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 Engineering	03/08/2015
BE	Information Science Engineering	03/08/2015
BE	Electronics and Communications Engineering	03/08/2015
BE	Mechanical Engineering	03/08/2015
BE	Electrical and Electronics Engineering	03/08/2015
BE	Civil Engineering	03/08/2015
Mtech	VLSI Design & Embedded Systems	03/08/2015
Mtech	Digital Electronics & Communication	03/08/2015
Mtech	Power System Engineering	03/08/2015
Mtech	Computer Science and Engineering	03/08/2015
Mtech	Computer Network Engineering(MTech)	03/08/2015
Mtech	Machine Design	03/08/2015
MBA	Master of Business Administration	03/08/2015
MCA	Master of Computer Application	03/08/2015

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

	Certificate	Diploma Course
Number of Students	1341	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	08/03/2017	747
SQL PLSQL Programming	02/06/2016	70
Mobile Communication Technologies	08/07/2017	75
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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 Projects / Internships
BE	Electrical and Electronics Engineering	9
BE	Information Science Engineering	9

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
The Institution maintains a structured feedback system about the quality of Teaching and Learning evaluation process. The online feedback is taken from all the students twice in a semester by the concerned Department Heads. The feedback questionnaire consists of curriculum, teaching-learning, Institutional facilities and so on. This feedback analysis are discussed on behalf of the college committee. The suggestions are also taken from the Industry experts about the curriculum in order to focus on students employability. During the University curriculum reformation workshops, the faculty representatives will share their views and thoughts in front of the BOS committee. Individual faculty feedback is analyzed and shared between the faculty members, about their Teaching strengths and weaknesses. The faculty having highest feedback are appreciated in the Departmental levels, whereas the faculty members having less feedback are given tips about the teaching skills and advised to attend Faculty Development programs to enhance their teaching learning skills. The action taken report are shared between the faculty members to improve in the next academic years. Meanwhile, the feedback is also collected from the faculties, employers, Alumni and parents on the available facilities in the Institution, and about the quality of education. The obtained feedback is documented and the corrective action taken report will be shared among the concerned stake holders of the Institution.

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	DEC	25	2	2
Mtech	CNE	18	0	0
Mtech	CSE	36	2	2
BE	Civil Engineering	60	49	49
BE	Electrical and Electronics Engineering	60	39	39
BE	Mechanical Engineering	240	151	151
BE	Electronics and	180	152	152

	Communications Engineering			
BE	Information Science Engineering	120	98	98
BE	Computer Science Engineering	240	223	223
Mtech	IT	18	0	0
[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
2017	2979	105	271	60	0

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	Numberof smart classrooms	E-resources and techniques used
366	366	12	66	4	15
[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)

? Course Instructor counsels the slow learners and encourage them by providing class notes, reading materials and solved university question papers to avoid the risk of drop out. ? Special classes are arranged for the difficult theory courses which are in the ongoing semester. ? Remedial classes for the students who had not cleared university examination in the difficult theory courses are conducted. ? For lateral entry students the extra classes are conducted for mathematics subject. ? Intensive communication skills and personality development programs are conducted. ? Personal professional mentoring is done along with their parents. ? Additional sessions are held exclusively to motivate the students by the mentors/faculty members handling courses/HOD/Principal. ? The deprived students (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.) are given utmost importance, so that such students feel comfortable to perform to their potential. ? Mentors interact with the parents on issues related to academics, and progress of students. ? The awareness about competitive exams are given to Students and they are motivated to prepare for competitive exams such as GATE, CAT, GRE and TOEFL. ? Inter-personal skills of the students are improved with the help of several club activities.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2703	366	1:7

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
366	366	21	21	49

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
2017	Dr. Nirmala S	Professor	Dr. Govinda Theertha, Memorial Research Excellence Award.
2017	Dr. Asha S Manek	Associate Professor	Dr. Govinda Theertha, Memorial Research Excellence Award.
2018	Mrs. Nandita	Associate Professor	Awarded as Bronze partner faculty from Infosys.
2017	Mrs.Devi Naveen	Assistant Professor	Ranked Second place in Paper presentation on Automated Attendance Management System using improvements in Viola Jones Algorithm from IEEE UVCE and First Place Rajarajeswari college of Engineering, Bangalore
2017	Dr. Shashishankar A	Professor	Engineers Day Award By YAN Trust conferred by Shri D V Sadananda Gowda,Hon'ble Minister For Statics Planning ,Taralabalu Convention Hall,R.T.nagar Bengaluru
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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

Mtech	Computer Science and Engineering	4 Sem	02/06/2018	10/10/2018
Mtech	Power System Engineering	4 Sem	29/06/2018	06/09/2018
Mtech	Digital Electronics Communication	4 Sem	02/06/2018	10/10/2018
Mtech	VLSI Design Embedded Systems	4 Sem	02/06/2018	10/10/2018
BE	CV	8 Sem	26/05/2018	08/07/2018
BE	EEE	8 Sem	26/05/2018	08/07/2018
BE	ME	8 Sem	26/05/2018	08/07/2018
BE	ECE	8 Sem	26/05/2018	08/07/2018
BE	ISE	8 Sem	26/05/2018	08/07/2018
BE	CSE	8 Sem	26/05/2018	08/07/2018

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

The institution continuously monitors the changes that are happening at the University level and effective changes in the internal evaluation system as demonstrated below. Student Centric methods such as experimental learning (Project based learning, Mini-projects), Participate learning like Quiz, group discussion, Seminar, Presentations, Home assignments etc. and problem solving methods like problematic assignment from university question paper and designing mini-projects are used for enhancing learning experiences. THEORY Non-CBCS Scheme-2010 Scheme Three internal assessments are conducted as per the calendar of events and the best of two is taken to get the average out of 25. Non-CBCS Scheme-2014 Scheme According to module based system question paper was set for 25 marks for first year. Later 2014 scheme was converted to 2010 scheme. CBCS-Scheme-2015 Scheme 1. Three internal assessments are conducted for 25 marks as per the calendar of events. Average of the best of two out of three is taken and converted to 15 marks. 2. 5 marks are allotted for the assignment s, seminars, Quiz etc. 3. Total Continuous Internal Assessment is 20 marks (15marks 5 marks) CBCS-2017 and 2018 Scheme Three internal assessments are conducted as per calendar of events. Internal Assessments are conducted for 30 marks. Entire syllabus in covered in 3 tests. There are 40 marks for CIE, out of which 30 marks are awarded from the average of 3 internal assessment test and 10 marks are awarded based on timely submission of assignments/ Seminar/ Quiz/ Mini-projects. PRACTICAL Two internal Assessments are conducted for entire lab syllabus, divided in to two parts. Average of the two test is taken and added with the record marks. Some students are unable to take up lab exams due to genuine reasons for such students' lab exams are rescheduled. 1. 2010/2014 Scheme: - Total Lab internal marks is 25. Two Internal lab exams are conducted for 15 marks. Average of two test is taken and finally added with 10 marks of record. Record marks are allotted based on the observation, conduction, viva and write-up. Observation -3marks, Conduction 2marks, Write-up-3marks and viva-voce-2marks. 2. 2015 Scheme: - Total Lab internal marks is 20. Two Internal lab exams are conducted for 12 marks. Average of two test is taken and finally added with 8 marks of record. Record marks are allotted based on the observation, conduction, viva and write-up. Observation -2marks,

Conduction 2marks, Write- up-2marks and viva-voce-2marks. 3. 2017/2018 Scheme: - Total Lab internal marks is 40. Two Internal lab exams are conducted for 30 marks. Average of two test is taken and finally added with 10 marks of record. Record marks are allotted based on the observation, conduction, viva and write-up. Observation -3marks, Conduction 2marks, Write-up- 3marks and viva-voce-2marks. 4. Final year projects are evaluated in different phases like phase 0, phase 1, phase2 and phase 3. Seminars are conducted based on latest IEEE/Springer/Science direct journals/conference papers.

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

1. University publish Academic Calendar for respective academic year in the beginning of that academic year comprising of semester start date, semester end date, start and end of practical examination, start and end of Theory examinations, list of holidays. 2. Institute follows the Academic Calendar provided by the University. 3. Institute prepares its own calendar of events in line with the University calendar of events in leadership of Principal, participation of all department HODs and various coordinators one month before the commencement of semester. 4. Institute calendar of events comprises of Three IA test dates, Internship dates, Seminar, Project viva voce dates, inter collegiate and Intra collegiate fest, Alumni meet, Parent-Teacher meetings, Graduation day, First year Inauguration day, Women's day, Teacher's day etc. 5. It is communicated to all the departments. 6. Department prepares its own Calendar of Events adding dates for departmental events such as Seminars, Proctor Meeting, Industrial Visits, IA tests, Project Reviews, Conferences, Workshops, Department Meetings etc. to proceed in the right direction 7. It is communicated to all the stakeholders through college website, department Blog and Mobile App. 8. Calendar of Events is strictly followed during the semester. 9. Lesson plans are then prepared based on the academic calendar. 10. The detailed lesson plan/teaching methodology as suited to syllabus is prepared by each faculty before start of the semester. 11. The lesson plan comprises of content, learning aid and methodology, faculty approach and course outcomes. The lesson plan generally highlights the content and total lectures for completion of the curriculum. Monitoring of implementation of lesson plan is done by Heads of the departments and corrective actions are suggested wherever required. 12. All the Saturdays are utilized for Co-Curricular events to cover Contents beyond Syllabus. 13. Time Table of regular lectures for the semester is prepared as well and displayed on the notice board and website. 14. There is an academic monitoring committee appointed by the Principal/HOD who monitors the day- to- day conduct of the lectures based on the time table. 15. The academic calendar is uploaded in college Website. 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/popsopeoc0-2017-2018.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
PSE	Mtech	Power systems	5	5	100%

VLSI	Mtech	VLSI Design and Embedded systems	2	2	100%
DEC	Mtech	DEC(digital Electronics and Communication	1	1	100%
CSE	Mtech	Computer Science Engineering	5	5	100%
CVE	BE	Civil Engineering	41	34	83%
EEE	BE	Electrical and Electronics Engineering	40	33	83%
ME	BE	Mechanical Engineering	225	205	92%
ECE	BE	Electronics and Communication Engineering	127	119	83%
ISE	BE	Information Science Engineering	40	33	83%
CSE	BE	Computer Science Engineering	172	162	94%
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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/2022/03/2.7.1._17-18.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	VTU	0.6	0.6
Minor Projects	365	KSCST	0.72	0.72
Minor Projects	365	MODROBS	11.65	11.65

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
National Seminar for Research Scholars 2018	Civil Department	26/04/2018
A Seminar on Digital Marketing and Analysis by the organization Imperial Group on by Mr. Kataria	MBA Department	22/08/2017
Invited talk on Research Methodology	Maths Department	22/12/2018
Entrepreneurship Development Program	ISE Department	16/02/2018
Skill and Entrepreneurship Development Program and securing ideas	EEE Department	17/02/2018

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
Engineers Day Award	Dr. Shashishankar A	YAN Trust	01/06/2018	Statistics Planning
Bronze level partner	Mrs. Nandita	Infosys	18/08/2017	Campus connect Faculty partnership
Paper Presentation	Mrs.Devi Naveen	RRCE	10/11/2017	National level Technical Symposium
Young Researcher Award	Mr.Madhumohan.R	Young Researcher Award ,All India Institute of Medical Ssciences, Rishikesh	08/11/2017	Innovative Ideas Patent
Young Woman in Science	Dr.Roopa.V	Young Women in Science, Venus International Foundation	15/09/2017	Research

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
INCUBE - DIR	Automation of prosthetic	KSCST - IISc	Prosthetic Limb	Technology	01/08/2017

| limb | | | | | |
| INCUBE – DIR | Automation of robot for pedicle screw fixation | KSCST – IISc | Pedicle Screw | Technology | 01/12/2017 |

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
20	3	32

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

Name of the Department	Number of PhD's Awarded
Electronics Communication Engineering	1
Computer Science and Engineering	1
Chemistry	1
Master of Business Administration	1

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)
National	Mechanical Engineering	8	1.4
International	Mechanical Engineering	16	1.4
International	Computer Science Engineering	3	1.3
International	Electrical and Electronics Engineering	1	1.4
International	Information Science Engineering	14	1.3
International	Electronics and Communications Engineering	14	1.4
International	Chemistry	2	1.4

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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
Information Science Engineering	3
Mechanical Engineering	11
Computer Science and Engineering	17
Electronics Communication Engineering	23

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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 mentioned in the publication	Number of citations excluding self citation
Cyclic Voltammetry, Impedance and Thermal Properties of CoFe2O4 obtained from Waste Li-Ion Batteries	Dr.V.Venkata Lakshmi	Materials today	2018	0	AMCEC	0
Analytical, numerical and experimental study on joining of aluminium tube to dissimilar steel rods by electro magnetic pulse force	K. SHANTHALA	Journal of Mechanical Science and Technology 32 (4), 1725-1732	2017	2	AMCEC	1
Analysis of the Electromagnetic Impulse Technology for joining of Aluminium tube to coated Steel rod.	K. SHANTHALA	Materials Today: Proceedings	2017	1	AMCEC	1
LAN And Wi-Fi Based Intelligent Power Monitor and Control for Remote Electrical Devices	SAVITA PATIL	International conference on Intelligent Computing and Control I2C2'17	2018	0	AMCEC	0

Soldier Status Monitoring for Army Future Combat System	SAVITA PATIL	National Conference on VLSI, Communication and Computer Network VCCN-5 May, 2017	2018	0	AMCEC	0
Performance Analysis And Design Of Automatic Attack Identification For Ad-Hoc Wireless Channel And Improvement In Coverage	SAVITA PATIL	International Journal of Control Theory and Applications (IJCTA)	2018	0	AMCEC	0
Smart turn indicators	Dr.Girisha.C	IOP Conference Series: Materials Science and Engineering 376 (1), 012076	2017	0	AMCEC	0
Effect of Cooling Water on the Performance of Lithium Bromide-Water (LiBr-H2O) Absorption Based Heat Pump	Dr.Girisha.C	IOP Conference Series: Materials Science and Engineering 376 (1), 012076	2017	0	AMCEC	1
Modification of l2 learning switch code for firewall functionality in pox controller	Dr N.V.Uma reddy	Silicon Photonics High Performance Computing, 103-114	2017	1	AMCEC	0
Biodiesel	Dr. Solaimuthu	Institution of	2018	0	AMCEC	0

- A Sustai nable Option For Irrigation	C	Engineers India				

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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
IMPACT OF EXTRUSION PROCESSION WEAR BEHAVIOR OF BORON NITRIDE REINFORCED ALUMINUM 6061 BASED COMPOSITES	Y. B. MUKESH	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2018	1	0	Nil
Photovoltaic based zero voltage transition DC-DC buck converter	Selvamathi, R.	ICEAST 2018 - 4th International Conference on Engineering, Applied Sciences and Technology: Exploring Innovative Solutions for Smart Society	2018	1	0	Nil
Analysis of transformer less inverter for PV applications	Selvamathi, R.	International Journal of Engineering and Technology(UAE)	2018	1	0	Nil
A case study- interfacing of PIC-16F877a with driver circuit for transformerless	Selvamathi, R.	International Journal of Mechanical Engineering and Technology	2017	1	0	Nil

inverter						
IMPACT OF EXTRUSION PROCESSION WEAR BEHAVIOR OF BORON NITRIDE REINFORCED ALUMINUM 6061 BASED COMPOSITES	Y. B. MUKESH	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2017	1	0	Nil

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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/Seminars/Workshops	69	35	0	0
Presented papers	61	29	0	0
Resource persons	0	0	0	0

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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
Health Check Up	AMCEC	30	220
Fire Brigade Demo	AMCEC	6	230
World Disabled Day	AMCEC	15	288
Donation to Orhanage	AMCEC	3	245
Rally for Rivers	AMCEC	27	201
Kannada Rajyothsava	AMCEC	27	219
Blood Donation Camp	AMCEC	27	280
Donations to Orphanage	AMCEC	18	280
Blood Donation	AMCEC	40	220
Donation to the Trust	AMCEC	20	280

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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
Blood Donation	Certificate of Appreciation	Lions Club of Sheshadripuram, Bangalore	80
Donation to the Trust	Donation	Ashwini Angadi Trust®, Bangalore	60
World Disabled Day	Certificate of Appreciation	Sri Veeranjaneya Handicap Welfare Association, Bangalore	60
Blood Donation	Certificate of Appreciation	Lions Club of Sheshadripuram, Bangalore	100
Orphanage Visit	Certificate of Appreciation	Ashwini Angadi Trust®, Bangalore	100
Swachh Bharat Abhiyan	Certificate of Appreciation	Sri Veeranjaneya Handicap Welfare Association, Bangalore	300
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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 activites	Number of students participated in such activites
Meditation program	AMCEC	awareness	20	260
Republic day Celebration	AMCEC	flag hosting	35	245
Introduction aganist Drug addiction	AMCEC	awareness	40	250
Blood donation camp	AMCEC	awareness	30	260
Financial savings by IDFC	AMCEC	awareness	25	225
Art of living Meditation	AMCEC	awareness	12	260
Independance day Celebration	AMCEC	flag hosting	35	235
Kannada Rajostava	AMCEC	flag hosting	60	240
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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

Student exchange	591	AMC Engineering College	365
Student exchange	30	AMC Engineering College	365
Student exchange	10	AMC Engineering College	365
Student exchange	10	AMC Engineering College	365
Faculty exchange, student exchange	26	AMC Engineering College	365
Student exchange	25	AMC Engineering College	365
Faculty exchange, student exchange	4	AMC Engineering College	365
Faculty exchange, student exchange	32	AMC Engineering College	365
Technology Transfer, RD , Student Internship	31	Aquarelle India Pvt Ltd	365
Research	58	Government(KSCST, VTU)	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
Student Exchange	Internship	Helicopter Division HAL, Bangalore	08/02/2018	08/02/2018	102
Student Exchange	Internship	Rail Wheel and Axle Man ufacturing Process, Rail Wheel Factor	13/10/2017	13/10/2017	115
Student Exchange	Internship	Vehicular types, Traffic Frequency Tapping and its Internship Analysis NECE (P) Ltd.	12/10/2017	12/10/2017	70

Student Exchange	Internship	Manufacturing of Spark plugs and Basic Hydraulics Pneumatic System, BOSCH Ltd, Bengalur	08/09/2017	08/09/2017	99
Student Exchange	Internship	Manufacturing of Spark plugs and Basic Hydraulics Pneumatic System, BOSCH Ltd, Bengaluru	29/08/2017	29/08/2017	88
Student Exchange	Internship	Aircraft Division, HAL, Bengaluru	28/08/2017	28/08/2017	156
Student Exchange	Internship	Ashok Leyland Ltd, Hosur, Tamil Nadu	01/10/2018	01/11/2018	1
Student Exchange	Internship	HAL, Bengaluru. Helicopter Division	17/01/2018	29/01/2018	1
Student Exchange	Internship	CSIR – NAL	23/02/2018	23/02/2018	71
Student Exchange	Internship	Co-operative Bank	02/09/2018	02/09/2018	180

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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
Maxpertise Technology Labs P Ltd	27/12/2017	Training Program	10
Volta Automative Ltd.	11/05/2017	Training Program	10
Association Of Consulting Civil Engineers (India) - Bengaluru Centre, Karnataka	14/10/2017	Student Mentor Program On Saturdays And Holidays By Industry Luminaries	26

		From Ultra-Tech, Stup Consultants, Umesh B Rao Consultants, L T , Narmada Dam Project, BEL, KPWD	
Prinston Smart Engineers	23/08/2017	Workshop on Web and User Interface development, Scholarship and Funding Options for Study Abroad Career Opportunities on March1st,2021, 3 days Workshop	217
Indian Cyber Army	04/08/2017	Workshop on Cyber Security and Ethical Hacking	80
Techninzaz	04/11/2017	Workshop on Big Data Analytics	55
Infosys Campus Connect Program	21/12/2017	Software Training Program	30
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
692	599

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	Nill
Classrooms with Wi-Fi OR LAN	Nill
Seminar halls with ICT facilities	Nill
Video Centre	Nill
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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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
Easy Lib	Fully	6.A	2003

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	58735	234864	2309	2599245	61044	2834109
Reference Books	9225	7128832	92	101245	9317	7230077
Journals	0	2557550	0	0	0	2557550
e-Journals	8611	4635510	8611	1914250	17222	6549760
Digital Database	1	127570	0	13570	1	141140
CD & Video	3495	0	0	0	3495	0
Library Automation	1	70200	0	0	1	70200

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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	Nill

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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	877	639	600	32	140	11	37	25	1
Added	0	0	0	0	0	0	0	110	0
Total	877	639	600	32	140	11	37	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,	https://drive.google.com/file/d/1xjehbd

Projector, Projector Screen, Laptop,	fpMShmFn0HCp7Ik5aYtCA1KYUr/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 incurredon maintenance of physical facilites
52	40.49	1231	1183

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 an6 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, maintained by Electrician and team. Sewage Treatment Plant (STP) is installed in the campus near the Boys Hostel, to recycle the used water. The recycled water is used for Landscaping purpose. Maintained by Facility manager and team. Institution provides Transportation facilities for Faculty Students to various main locations of the City. The Transportation is maintained by a Transport Officer and team inside the Campus. Institution has a well maintained 9 buses

https://amcec.edu.in/wp-content/uploads/2022/03/4.4.2_2017-18.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	Paramahamsa Foundation trust	126	3150000
Financial Support from Other Sources			
a) National	State GOK Social welfare OBC Supernumerary quota JK Defence scholarship DTE	1209	29431695
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 implemetation	Number of students enrolled	Agencies involved
Soft Skills	31/07/2017	575	JV Global Services
Soft Skills	31/07/2017	565	ASK (ACADEMY FOR SKILLS AND KNOWLEDGE) BY ZANE zanecuxton@gmail.com, Http://www.globalfacereaders.com
Soft Skills	31/07/2017	540	Pre placement training by Mr.Vincint, Mr.Ananth,Mr.Vinod prabhu from QUANTECH Mobile No: 8159152676, www.quentec.net.
Soft Skills	07/08/2017	550	Pre placement training by Mr.Vincint, Mr.Ananth,Mr.Vinod prabhu from QUANTECH Mobile No: 8159152676, www.quentec.net.
Soft Skills	07/08/2017	590	JV Global Services

Soft Skills	07/08/2017	450	Seventh Sense
Soft Skills	28/08/2017	445	Seventh Sense
Soft Skills	01/09/2017	490	Seventh Sense
Soft Skills	04/09/2017	475	Seventh Sense
Soft Skills	18/09/2017	485	ASK (ACADEMY FOR SKILLS AND KNOWLEDGE) BY ZANE zanecuxton@gmail.com, Http://www.globalfacereaders.com
[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 passedin the comp. exam	Number of studentsp placed
2017	IAS coaching / KAS Coaching/ GATE Coaching/ GRE /TOEFL Coaching/Communication Coaching/ Enterpruener Training program	780	823	8	389
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
4labs Technologies AAVANA CORPORATE SOLUTIONS PVT LTD,www.	3209	272	BIOCON SYNGENE,Bommasandra Email: hr@syngeneintl.com Synergy,088845	312	106

aavana.in Accenture ,www.accenture.com,08041866600 Accion Labs priya.shanmuga@accionlabs.com Acesoft Labs hr@acesoftlabs.com ADESSA,www.adessa.com AJANTHA PHARMA LIMITED, MUMBAI Amazon ANMERK			20222 # 161/1, 12th cross, Mahalakshmi Layout, Bangalore. Karnataka. 10, Jigani Industrial Arwa, Jigaani, Bengaluru, Karnataka 44, Infosys Avenue, Electronic City 44, Infosys Avenu		

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	3	BE	Computer Science Engineering	CONESTOGA COLLEGE UNIVERSITAT KOBLENZ LANDAU VELLORE INSTITUTE OF TECHNOLOGY	INFORMATION TECHNOLOGY BUSINESS ANALYSIS- OPERATIONS MSC WEB SCIENCE M.TECH (CSE)
2018	2	BE	Information Science Engineering	COLLEGE OF ARTS,HUMANITIES & BUSINESS ANALYTICS UNIVERSITY OF SUNDERLAND	MBA MBA
2018	3	BE	Electronics and Communications Engineering	Amrita Vishwa vidyapeetham UNIVERSITY COLLEGE DUBLIN SRH HOCHSCHULE HAMM	CSP MSC project management Masters in International Business and Entrepreneurship
2018	6	BE	Mechanical Engineering	VIT,VELLORE VIT,VELLORE SHIVAJIRAL S JONDHLE	M.TECH(CAD CAM) M.TECH(CADCAM) M.TECH(ENERGY SYSTEM AND

				COLLEGE OF ENGG,MAHARASTRA MSRIT LAMAR UNIVERSITY UNIVERSITY OF FLORIDA	MANAGEMENT) M.TECH(INDUSTRIAL ENGG) M.TECH(MECHANICAL ENGG) MS in Biomedical engg
2018	1	BE	Electrical and Electronics Engineering	Government Ramnarayan Chellaram College of Commerce and Management	MBA

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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	1
Civil Services	1
Any Other	4

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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
Kho Kho Selection	Institute Level	65
Throw Ball interdepartmental competition	Institute Level	39
Kabaddi	Institute Level	75
Women Empowerment Activity by REXONA CONFIDENCE ACADEMY	Institute Level	75
Interdepartmental Basketball selection	Institute Level	75
Inter department hockey competition	Institute Level	75
Athletics selection	Institute Level	35
Inter departmental basketball competition	Institute Level	35
Kho-Kho tournament	Institute Level	39
Colosseum Fest	Institute Level	35

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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
2017	Third place	National	Nill	3	1AM14CS045, 1AM15IS035, 1AM16CS057,	Sri charan Tejaswini R Charlotte J philips
2017	Second Place	National	Nill	2	1AM14ME021, 1AM15ME043,	"Utkarsh shekar Vishnu Rajendran"
2018	Second Place	National	Nill	1	1AM15IS100,	Karthik C
2018	First place	National	Nill	1	1AM15CS231,	Pramod R
2018	Second Place	National	Nill	2	1AM14CS141, 1AM14CS052	"Karthik C Harish G"
[View File](#)						

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

The student council is framed with one female and male student from each department, Principal will head of the council, assisted by the Vice-President, Secretary, faculty from all departments. The student council has the right to form subcommittees. A subcommittee will consist of at-least 2 members from their juniors. Student council represents in various committees which improves leadership qualities. The student council plays active role: • Student grievances are escalated to the concerned committees and resolved as per the extant guidelines and suggest remedies. • Sensitize the students about the ill effects of ragging and sexual harassment in the campus and dissuade them. • Plays a proactive role in research, sports cultural activities through INCUBE clubs in the college. • Takes initiation in various activities to keep campus clean through NSS. Women Empowerment Anti-sexual Harassment Committee/Anti-ragging Cell Activities conducted "Rexona Confidence Academy" with M/S Hindustan Unilever Limited on 8th September 2017. Sports/Cultural Committee Activities Conducted • T-20 Cricket tournament on – 5/10/2017 17/10/2017 • VTU JUDO Championship on 9/10/201710/10/2017 • VTU Softball tournament on 13/10/2017 -15/10/2017 • VTU Athletic meet on Belagavi –03/11/2017-06/11/2017 • VTU South tournament on 21/04/2018 • Intercollegiate Cricket tournament on 7/3/2018 - 25/03/2018 • PESIT T20 Cricket tournament on PESIT-26/03/2018 • VTU Basketball tournament on RVCE-3/2/2018 - 4/02/2018 • Basavanagudi Basketball tournament on RVCE-17/2/2018 • VTU hand ball tournament on ACS -12/03/201813/03/2018 • Intercollegiate throw ball tournament on JIT – 12/2/2018 • Intercollegiate women's throw ball tournament on BMSIT-8/03/20189/03/2018 • INDO-NEPAL throw ball match on Pokhara, Nepal on 20/4/2018 22/04/2018. • Colosseum Fest on AMCEC-10/09/2017 11/09/2017 • Mélange inter collegiate sports fest on -1/05/2018 2/05/2018 • Mélange Intercollegiate Fest on 6/04/2018 7/04/2018 • Fashion Show Competition on Jain University-21/04/2018 • Habba-Voting Awareness on -7/05/2018 • International Women's Day on 3/8/2017 • Debate Competition on 1/03/2018 E-CELL Activities • Entrepreneurship Awareness startup skills on 22/07/2017 • How to prepare Business Plan Reports on 26/04/2017 NSS activities • Health Check Up • Fire

Brigade Demo • World Disabled Day • Donation to Orphanage • Rally for Rivers • Meditation program • Republic day Celebration • Introduction against Drug addiction • Blood donation camp • Financial savings by IDFC • Art of living Meditation • Independence Day Celebration • Kannada Rajyotsava INCUBE Activities • Drama Club conducted VTU YOUTH FEST KALASURABHI • Mime Club conducted inter collegiate youth Festival "DOPAMINE". • Dance Club had participated in Group dance Competition • graffiti club members painted 6000 sq. ft area in AMC campus

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 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 5 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. One such example is Mr. Utkarsh who works at Sysfore Technologies Pvt Ltd, comes to institute every weekend to train a batch of 20 students of final/pre-final year CSE on Mobile App Development Tools. 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, programmes and services.

5.4.2 – No. of enrolled Alumni:

800

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

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 7 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. One such example is Mr. Santosh S who works at Capgemini, comes to institute every weekend to train a batch of 120 students of final/pre-final year CSE on Web App Development Tools. 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 alu

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 practices decentralization of powers and participative management 1. Decentralization in working: The powers are divested through the Principal to the HODs for complete transparency in administration and decision-making process. The BOG has delegated powers to the Principal in Academic, institutional development, curricular and extra-curricular activities. The Dean, HODs with Principal will have periodic meeting with chairman to discuss academic administrative issues and to take appropriate measures and decisions. The Principal, Dean HODs are empowered with appropriate powers for smooth functioning of the Institutional activities. The College has constituted many

committees to decentralize the activities and for 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 and reviews the progress of their implementation. 2. Participative Management: The institute practices a participative management at all levels. Chairman discuses with Principal and designated staff regarding important issues in the corporate office. Principal in turn conducts interactive sessions for HODs and staff for inclusive and sustained management of the institution. HODs translate in to action the objectives promulgated by the higher authorities through departmental faculty meetings. Issues concerning with students are discussed in the CRs meeting, their suggestions are taken into confidence before implementation. Suggestions from stakeholders are considered, discussed and if found suitable implemented following transparency and fairness. All the academic administrative issues like budget, recruitment, purchases, admissions, promotions, conferences, etc., are discussed in the open house.

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 admissions guideline as prescribed by the affiliating University is followed along-with the merit list reservation policies to achieve UG admissions. For PG students, admission takes place on the bases of entrance examinations/counseling conducted by KEA or by the Government/Affiliating University. The State Government norms are followed in admitting 50 percent of the PG students through Government quota. Remaining 50 percent of the seats are filled by the management exercising its privilege to fill the seat. A dedicated admission team makes sure the admission process is carried out in a transparent and fair manner.
Industry Interaction / Collaboration	To bring about active industry-Institute collaboration, some of the Governing Council and the IQAC members are Industry experts who provide timely inputs and suggestions. The Placement cell actively provides pre-placement training every academic year to make the students' industry ready. Many on-Campus placements have taken place through companies like Allegion, Capgemini, Concentrix, Infosys BPM, Vantage Agora, Mahindra, and Wipro Technologies and more than 200 students have been successfully placed. Through Off-campus drive, also students have

	been placed. Industry experts regularly visit the campus to deliver guest lectures and interact with students. Many of engineering departments carry out consultancy projects in collaboration with Industry to solve real-life business problems.
Human Resource Management	The administrative and academic departments in the college are well established. All records of staff members are well maintained and updated. The HR department takes care of employee grievances and regular surveys are carried out amongst faculties and students to find out their satisfaction levels. Various committees like grievance redressal committee, staff welfare committee, sexual harassment elimination committee have been instituted. Group insurance policies have been provided to insure faculties and students. Faculties are motivated to participate in FDP, seminars, conferences, workshops, refresher orientation courses etc. Non-teaching staff are regularly provided training in disaster management, campus behavior, hospitality etc.
Library, ICT and Physical Infrastructure / Instrumentation	As in the previous years, in 2019-20 also, the college infrastructure has been upgraded which includes classrooms, labs, sports facilities, ladies lounge and other supporting facilities. The budget allocated for infrastructure augmentation has increased in the year 2019-20. Especially, when compared to the previous years. Many E-Resources have been added to the library to facilitate the research spirit among students and faculties. For the maintenance of physical facilities and academic support facilities, the expenditure has increased. Battery operated cars have been introduced for easy mobility around the campus.
Research and Development	Faculties regularly publish research papers in UGC recognized journals and some of the faculties have successfully published books too. To facilitate research, the college has purchased Plagiarism software. Teachers and students have actively participated and presented papers in various national and international conferences and have also attended AICTE sponsored training programs. Faculties are regularly

	awarded for their innovative teaching practices. The Entrepreneurship Cell regularly conducts programs to kindle the student's interest in Startups. Students are encouraged and supported to go for Start-Ups. Interdisciplinary research projects are also encouraged among faculties and students. The Institute has established many functional MOUs with Industries.
Examination and Evaluation	For continuous evaluation of students, the exams are regularly monitored by the IQAC cell. To make sure exams are conducted in a smooth manner. Students and parents regularly receive messages regarding examinations. Each student is internally evaluated based on their unit test performances, projects internships, and assignments along with co-curricular activities every semester. The Examination department make sure examinations are conducted without any malpractice.
Teaching and Learning	The Teaching Learning process has become more student-centric, by applying interactive learning methods like Blended MOOCs through teaching aids like Computers, LCD slide projectors, charts, models, prototypes etc. The lectures are further strengthened with tutorials, remedial classes, GDs, assignments, live projects, seminars, and student paper presentations. All the departments use experiential learning methods like laboratory work, obtaining grants and funds from reputable agencies to work on various projects, building prototypes, industrial visits, science exhibitions etc. with great success. Most of the departments have upgraded to the latest infrastructure especially about labs. In collaboration with industry, Computer Science department has set up labs called-Tequip labs
Curriculum Development	The Institution carries out efficient curriculum delivery through an effective system. A Committee prepares the College level academic calendar based on the Affiliating University's Academic calendar of Events. Every department prepares its own Calendar of Events based on the college level academic calendar. Thereafter the Departmental level timetable is prepared teacher wise, class wise and

subject-wise. The curriculum delivery objectives are fulfilled through the Academic calendar. Competency mapping of the teachers are carried out by each department. Before the onset of an academic year, faculties prepare subject wise lesson plans. Through DHI, timely feedback is obtained regularly from students regarding faculties, course outcomes and content delivery.

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

E-governace area	Details
Student Admission and Support	1. Admission details are made available with the ERP software called DHI. 2. Online feedback system is 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.
Examination	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.
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	Administration of faculties and students are implemented through the ERP software called DHI. Which has SMS based information dissemination

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
2018	Santhosh U	6th International Conference on Advances in Energy Research	Nil	2418
2018	Dr. Mini V	6th International Conference on Advances in Energy Research	Nil	3835
2017	Nagabhushanam Kotloni	International Scopus Indexed Journal Research paper publication	Nil	3000
2017	Dr. Gangadhara Reddy R	International Scopus Indexed Journal Research paper publication	Nil	2000
2017	Dr.V. Venkata Lakshmi	International Scopus Indexed Journal Research paper publication	Nil	6000
2017	Santhosh Ujjinappa	International Scopus Indexed Journal Research paper publication	Nil	3000
2018	Sandhya Rani Pailoor	International Scopus Indexed Journal Research paper publication	Nil	3000
2017	Shanthala K	International Scopus Indexed Journal Research paper publication	Nil	9000
2017	Dr.N V Uma Reddy	International Scopus Indexed Journal Research paper publication	Nil	5000
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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)
2017	FDP on Latex	Nil	02/08/2017	03/08/2017	20	Nill
2017	Expert talk on NBA Accreditation Process	Nil	20/12/2017	20/12/2017	100	Nill
2018	FDP on Innovative pedagogy and effective teaching learning//	Nil	04/01/2018	04/01/2018	20	Nill
Nill	AICTE-ISTE Induction Program for faculty of Technical Institutions	Nil	23/07/2018	28/07/2018	60	Nill
2017	Workshop on NBA Criteria presentation	Nil	23/11/2017	23/11/2017	21	Nill
2018	Hands on Data Mining - Hands-on on Data Analytics Tools	Nil	23/01/2018	25/01/2018	38	Nill
2018	Arduino based IOT Hardware Interfacing ArduBotics	Nil	23/01/2018	25/01/2018	15	Nill
2018	NBA Preparation and Accreditation Process	Nil	02/01/2018	03/01/2018	50	Nill

2018	FDP on PYTHON	Nil	18/01/2018	20/01/2018	30	Nill
2018	Workshop on Machine Learning	Nil	27/07/2018	27/07/2018	16	Nill
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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 LATEX	1	02/08/2017	03/08/2017	2
FDP ON FINITE ELEMENT METHODS AND STRESS ANALYSIS	1	22/01/2018	03/02/2018	12
FDP ON WORLD CLASS NEW PRODUCT DESIGN MANUFACTURING	1	01/01/2018	13/01/2018	13
WORKSHOP ON IMAGE BUILDING AND INSTITUTION BRANDING	1	12/01/2018	12/01/2018	1
FDP ON PYTHON	11	18/01/2018	18/01/2018	1
FDP ON DATAMINING HANDS ON ON DATA ANALYTICS TOOLS (AMC-CSE)	20	23/01/2018	23/01/2018	1
SEMINAR ON "IBM POWER SYSTEMS AND IBM STORAGE SOLUTIONS"	1	11/08/2017	11/08/2017	1
FDP ON ARTIFICIAL INTELLIGENCE	2	16/08/2017	16/08/2017	1
FDP ON NBA PREPARATION AND ACCREDITATION PROCESS ON	11	01/02/2018	01/02/2018	1
SEMINAR ON "MANAGEMENT CONCLAVE"	1	16/03/2018	16/03/2018	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	

Permanent	Full Time	Permanent	Full Time
366	366	268	268

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
22	15	15

6.4 – Financial Management and Resource Mobilization

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

The institute has an effective mechanism for Internal External financial audits. 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 B. 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
Karnataka State Cricket Association SBI Bank	1496700	Sports, Games Rental
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6.4.3 – Total corpus fund generated

8095800

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	Government	Yes	Principal
Administrative	Yes	Government	Yes	Principal

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

? As per parents' suggestions lateral entry students were given extra classes in mathematics subject. ? As per parents' suggestions Intensive communication skills and personality development programs are conducted. ? Personal professional mentoring is done along with their parents. ? Mentors interact with the parents on issues related to academics, and progress of students.

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

1. Workshop on Electrical Design conducted for support staff on 8-10, Sep 2017
2. FDP on Attitude at work place conducted for support staff on 1-Aug 2017 3.

NBA Preparation and Accreditation Process conducted on 02-03 Jan 2018 4. Energy Auditing conducted on 13-Feb-17

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

1. Energy Auditing 2. AICTE-ISTE Induction Program for Faculty of Technical Institutions 3. Workshop on NBA Criteria Presentation, Preparation and Accreditation Process 4. National Seminar for Scholars 2018 5. FDP on Attitude at workplace for Teaching and Non-Teaching Staff.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

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
2017	Power system transient analysis using Mi-Power	24/01/2017	24/01/2017	25/01/2017	5
2017	Energy Auditing	13/02/2017	13/02/2017	13/02/2017	4
2017	Hybrid Power generation	05/04/2017	05/04/2017	05/04/2017	11
2017	Renewable Energy Energy Conservation For Sustainable Development	27/10/2017	27/10/2017	27/10/2017	13
2017	NBA Criteria presentation	23/11/2017	23/11/2017	23/11/2017	30
2017	Writing Research proposal, IPR and Patenting	19/08/2017	19/08/2017	19/08/2017	25
2017	FDP on Latex	02/08/2017	02/08/2017	03/08/2017	20
2017	AICTE-ISTE Induction Program for faculty of Technical Institutions	23/07/2018	23/07/2017	28/08/2018	60

| 2018 | Hands on Data Mining - Hands-on on Data Analytics Tools | 23/01/2018 | 23/01/2018 | 25/01/2018 | 38 |
| 2017 | Workshop on Electrical Design | 08/09/2017 | 08/09/2017 | 10/09/2017 | 4 |

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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
International Women's Day 2018	03/08/2018	03/08/2018	119	70
Women Empowerment Activity by REXONA CONFIDENCE ACADEMY	08/09/2017	08/09/2017	133	75
Worshop on Gender Sensitization & Gender Equity	03/08/2018	03/08/2018	115	103

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
• **Total power requirement of the institution is 87,263 Units/Year • Power requirement met by renewable energy sources – 13,718 Units/Year • Renewable energy source is 1.5kW solar wind power plant at college campus • Renewable energy generated and used – 13,718 Units/Year • Energy supplied to the grid – 0**

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	3
Provision for lift	Yes	3
Ramp/Rails	Yes	3
Braille Software/facilities	Yes	3
Scribes for examination	Yes	3
Any other similar facility	Yes	3

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
2017	Nill	1	14/08/2018	1	Donation for Orphanage	Sensitizating Students towards Orphans Issues	1000
2018	Nill	1	27/04/2018	1	Campaign to vote by ABVP	Voting Awareness among Students Public	400
2018	1	Nill	13/04/2018	1	NSS Plantation	Go Green Initiative	100
2018	Nill	1	07/04/2018	1	Go Green (Melange)	Eco-Friendly Activities	600
2018	Nill	1	20/02/2018	1	Ayurvedic workshop	Health Awareness	100
2018	Nill	1	07/02/2018	1	Blood Donation Camp	Safe blood saves lives	180
2017	1	Nill	14/08/2017	1	International Day Against Drug Abuse	Awareness on Health Hazards due to drug addiction	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)
EMPLOYEES ADMINISTRATIVE AND SERVICE MANUAL	01/08/2018	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 itmay fix
Student Handbook	01/08/2018	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

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Oreientation on Constitution of India, Professional Ethics and Human Rights (CPH) for Faculties and Students	05/06/2017	30/05/2018	1000
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

From the day of Inception, the organization has maintained a green domain. Campus has eco-friendly grounds with plantations, lawns and gardens, plastic free surroundings which are well maintained. The arranging gives the most beautiful magnificence to mind refreshment for the students and furthermore captures the mind of guests. The Students staff are involved during the conduction of awareness programs namely Swachh Bharath Abhiyan at our college. The Institute has various green campus activities to make the surroundings

green. Bicycles: Students are encouraged to use bicycles within the campus. Although the in-campus distances are small the travel to and from the hostel can utilize the benefits of bicycles. Students residing near the college use bicycles or walk to the college. Public Transport The College encourages use of college and metropolitan transport to reduce the use of two wheelers, which are a significant source of carbon emission. This adds to the environmental conservations. Bus stop at the local bus transportations service is situated near the college entrance hence it is convenient for the students to use the public bus service. Most of the Staff students shuttle to Institute by Public transport. Pedestrian friendly roads The road inside the campus is pedestrian friendly with all the vehicles orderly parked in the parking area. The campus is made pedestrian friendly. Plastic-free campus Efforts are taken by the institute to maintain a plastic free campus. Students and staffs are counseled against the use of plastic in the campus. Students can make use of the water cooler to refill their water bottles and are advised not to use plastic bottles. Paperless office The use of paper is minimized by using digital communication methods. The PTA meetings, students notices, staff notices are given through messages. The Institute has successfully implemented the ERP software (DHI, PUPIL POD) to make paperless office to certain extent. Green landscaping with trees and plants The institute is a smart Green campus with good landscaping. The students and faculty are encouraged to plant more trees and making the campus garbage and plastic free zone. Tree plantation programs, helps in encouraging eco-friendly environment, which provides pure oxygen within the institute. Hence care is taken to increase the green cover in the campus and conserve the environment. The installation of solar panels, paperless work system, and composting practices are noteworthy. The College makes the student aware of the Carbon Credits, Carbon Neutrality in the subject of Environmental Studies in the programmes. Tobacco products are strictly banned within 2 kilometers around the campus. AMCEC initiated the process to determine the carbon neutrality and audited the entire process. It was heartening to know that AMCEC is contributing more to environmental friendly campus and leading to sustainability. Abundance of trees in the campus helps in maintaining t

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title: Inculcation/Infusion of Research Culture and Experiential learning among Faculty and Students 2. Objective of the Practice: ? To create liking for lifelong learning among faculty and students. ? To improve/increase employment opportunities, think and learn beyond classroom, through projects, workshops, seminars etc. ? To take up funded research projects and consultancy in future. 3. The context: Encouraging students to do projects with research orientation, with recent technological developments. By inculcating/motivating research culture among faculty members, Teaching-Learning process is improved. Institution is initiated with center of excellences, Internship training centers, product designs, clubs, and incubation cells etc. 4. The Practice: Institute regularly organizes various conferences, workshops, seminars symposiums to know about emerging trends in relevant fields. Faculty and students are encouraged to present/ publish the research paper at reputed journals and conference. MoUs signed with various industries to enhance industry exposure. 5. Evidence of Success: ? College is originated with good number of Center of Excellency programs, Internship training centers, product designs, various clubs, and incubation cells ? Fair number of faculty from the institute has registered for PhD programes. ? Faculty are involved in writing research proposals to various National funding agencies Problems encountered and Resources Required: ? Changing student mind set from rote learning to experiential learning is challenging. ? Faculty members find it difficult to

find time to carryout independent research due to their academic commitment. ? Financial support from external agency is required On regular basis, several research proposals submitted to DST, UGC, AICTE, VGST and VTU. Best practice – II 1. Title of Practice: E-Connect All (ERP) 2. Objective of the Practice ? To facilitate easy access to the students and parents' such as, attendance, internal marks, timetable etc., ? Establish instant communication with student and parents through alerts and messages. ? To give HOD/ principal, a bird's eye view of the progress of all the students. 3. The context: In present technical education scenario in India, given the age group of the students, there exists a communication gap among the stake holders. Efforts are needed to minimize gap for better academic progress and to make students are accountable. 4. The practices: Successfully implemented an internet based software solution called the "DHI "replaced by Pupil Pod to connect, the three pillars of institution, students, teachers and parents at click of a button. All the students' details, attendance, University results and internal marks, assignments, timetable etc are maintained by this software. 5. Evidence of Success: ? A well-managed data center implemented with the "DHI "software. ? Well informed and well-connected parents and teachers. ? Improvement is attendance and IA performance by students. 6. Problems encountered and Resources Required: ? Major challenge involved was gathering and assimilation of large amount of relevant student data before the software could be activated. ? The required resources involved significant amount of investment.

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

The execution of the Institute is lined up with the vision and Mission with a unique way of strategy to give standardized and good quality of knowledge which would lead students to reach out their goals and objectives. The exceptional features about educating learning process which is viewed as a need and thrust area are portrayed beneath: 1. The Institute is outstanding for the orderly educating learning teaching method. Compelling instructing learning process is a sine qua non for scholarly achievement. The motivation behind the educating learning process at the establishment is to be understudy centered. Establishment plans College Calendar of occasions well ahead of time before the beginning of the semester dependent on University Calendar. It incorporates explicit dates for conduction of three hypothesis Internal Assessments (IA), co-curricular and additional curricular exercises, Proctor gatherings, Course Assessment Meetings (CAM) and classes. 2. Subjects are assigned to the employees for the imminent semester following the finish of the past semester investigating the workforce specialization, experience and remaining task at hand. It is guaranteed that the Placement preparing programs are directed for pre last year understudies to help them in the situations. 3. Alumni are welcome to deliver understudies and to control them through the vocation choices, give industry experiences and to give learning on the present patterns and most recent advancements 4. Resource people from enterprises are welcome to convey specialized talks and to make mindfulness about the open doors in different areas Constant assessment of learning is pursued at the organization. Task work, test, critical thinking exercise, study hall appraisal strategies, end-semester examination, and so on comprise the distinctive segments of the general evaluation. With a target to make each individual understudy of AMCEC industry prepared, after preparing programs are given at each dimension of their examination through • Infosys Campus Connect program • Personality

Development preparing program • Pre-Placement Training • Course Assessment Meetings (CAM) A couple of rules are attracted on the best way to direct CAM gatherings. Issues, for example, course trouble, execution in the internals, offices in the division are talked about and reasonable actions are made. Some of the actions are 5. Repetition of difficult concepts 6. Conduction of remedial classes 7. Providing suitable classroom and laboratory ambience 8. Faculty individuals who are new to educating experience preparing on academic techniques for instructing notwithstanding in-house Faculty Development Programs. 9. Difficult subjects are recognized dependent on past outcomes for which healing classes are led. 10. Each study hall is structured and kept up according to AICTE standards as for floor covering zone, lighting, ventilation, LCD projectors, and furniture to have a helpful mood. 11. The Faculties following ICT based encouraging learning and this eases back students to comprehend the troublesome ideas at their own pace. A flipped study hall idea is being presented from the present scholastic year. 12. A computerized library and PC acquiring office are made accessible through high speed internet with data transmission 155 Mbps (1:1), with 22 passageways.

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 improve the admission intake •To improve the students placement •To get NBA Accreditation for all programmes •To get AMCEC as an Autonomous Status •To improve the Research and Development activities •Establishing Centre of Excellence and Innovative labs •Paramahamsa University