



Yearly Status Report - 2019-2020

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	A. C. S. COLLEGE OF ENGINEERING
Name of the head of the Institution	Dr.M.S.Murali
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08028437956
Mobile no.	9900028024
Registered Email	principal@acsce.edu.in
Alternate Email	principal.acsce@gmail.com
Address	207, Kambipura, Mysore road
City/Town	Bangalore
State/UT	Karnataka
Pincode	560074
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.S.Kavitha,Associate Professor,Dept. of Civil Engg
Phone no/Alternate Phone no.	08028437956
Mobile no.	9444192800
Registered Email	senthilkumaran@acsce.edu.in
Alternate Email	qualitycell@acsce.edu.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.acsce.edu.in/acsce/wp-content/uploads/2016/12/ACSCE-AQAR-2018-19.pdf
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4. Whether Academic Calendar prepared during the year

Yes

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

<https://www.acsce.edu.in/acsce/wp-content/uploads/2016/12/Calendar-of-Events-Odd-Even-Semester-2019-20.pdf>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.10	2016	02-Dec-2016	01-Dec-2021

6. Date of Establishment of IQAC

06-Apr-2015

7. Internal Quality Assurance System

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

Opportunities for students in Australia (Higher Education)	04-Nov-2019 1	120
CAD CAM ANALYSIS TOOLS	21-Oct-2019 1	100
FDP on introduction to block chain and docker technology	29-Jun-2020 5	180
Webinar on Introduction to web application Development using PHP remote learning for academic excellence	18-May-2020 1	102
Emerging Gas bal Trends in space system by Padma Shree P.M.Vasagam Former Director, ISRO	01-Jun-2020 1	80
Application of Electronics in automobiles industry	20-Feb-2020 1	106
Work Shop-Rocket propellant preparation	23-Nov-2019 1	63
Technical Seminar on Job opportunities in Civil Engineering by Er. Parashuram Hadimani	28-May-2020 1	54
AI & Application in Modern Industries	03-Oct-2019 1	100
Application of CAD/CAE/CAM for Mechanical Engineers	20-May-2020 1	80
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Aerospace engineering	COVID	VTU-TEQUIP	2020 365	50000
Computer science engineering	Universal Human Values	AICTE-FDP	2020 3	85000
Mechanical Engineering	NBA Accreditation and Outcome Based Education	VTU-TEQUIP	2020 5	300000
ACS College of engineering	Social service	VTU	2020 365	34553
Mechanical	RESEARCH GRANT	INSTITUTION OF	2020	30000

Engineering	IN AID	ENGINEERS	365	
ACS College of engineering	AMBASSDOR TRAINING PROGRAMME	MHRD	2020 2	298000
Mechanical Engineering	Student Project Programme	KSCST	2020 180	11000
Biomedical Engineering	Student Project Programme	KSCST	2020 180	5000
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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 :	10
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)	
<ul style="list-style-type: none">• Academic audit of all the departments were conducted and Monitored the accreditation activities• FDP to the faculty members,National conferences and seminar and webinars were conducted• Conducted periodic meeting / discussions with faculty members to collect the data pertaining to various activities of the departments.• Centre for Test Data Sciences (CTDS) started to improve the industry interactions and conducted student development programmes• MOU signed with Pongu ventures Pvt. LTD,UC Berkeley, Bosch and INTEL to develop innovation,incubation and ambassador training activities	
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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
Data collection for forthcoming AQAR Preparation	Data has been updated at the department level
Centre of Excellence (COE)	<ul style="list-style-type: none">• MOU signed with Pongu ventures Pvt. LTD• Centre Test for Data Sciences

	(CTDS) started to improve the industry interactions• MOU signed with UC Berkeley and INTEL • MOU signed with Bosch.
MOU are planned to develop innovation and incubation activates	MOU signed with Pongu ventures Pvt. LTD, UC Berkeley, Bosch and INTEL To develop innovation and incubation activates
Plan for Industry Oriented Placement Training.	Technical and Soft skill training were provided to students and student placement record has been improved.Industry specific training is also provided.
Enhancing Library Resources	In order to enhance the library resources, many books, NPTEL, Labview and VTU E-Resources were added.
Plan to enhance Industry Institute Interaction activities	Regular Industry-Institute-Interaction has been conducted by inviting Technical Experts to deliver lectures to the students, to update their knowledge. Centre Test for Data Sciences (CTDS) started to improve the industry interactions
Proposal and plan to conduct National and International Level seminars, conferences, workshops, symposiums, FDPs etc.	National Level Conference, Workshops, Seminars, Symposiums, FDPs, Intercollegiate Technical Fest & Techno cultural fest were conducted.
To improve the numbers and quality of faculty Research Publication in reputed Journal/Conference.	Encouraged faculty members and students to do research activities and research findings in journals
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1"> <thead> <tr> <th>Name of Statutory Body</th><th>Meeting Date</th></tr> </thead> <tbody> <tr> <td>Governing council</td><td>22-Jan-2020</td></tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Governing council	22-Jan-2020
Name of Statutory Body	Meeting Date				
Governing council	22-Jan-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	2020				
Date of Submission	08-Jan-2020				
17. Does the Institution have Management	Yes				

Information System ?	
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Edu wiz is the management information system that serves as the backbone of our organization's operations. It gathers data to improve quality of the organisation. All the students, faculties and staff are given individual login ID and password to perform the activities like • Employee record including their professional achievements • Monitoring of attendance and work load of faculties • To assess the student performance i.e attendance and internal assessment marks • Issuing of course material, assignments and presentations to the students • Information of activities, events, students performance and attendance status to the parents

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

In general, the following action plans are implemented. • Curriculum prescribed by the university is meticulously followed and is designed as per outcome based education. • From the scheme, subjects are allotted to the faculty based on their specialization by the Head of the departments well in advance and they are asked to submit the detailed course plan including the course outcome, its mapping with the program outcome, assessment schedule, assignment schedule and examination questions. • Predefined college calendar and academic calendar are given to the faculty and students. • Timetable is prepared and published in advance. It includes additional courses. • Principal's meeting with HODs and Faculty is conducted at the beginning of each semester. • Regular meetings of HOD with members of the faculty is conducted to develop academic plans based on the number of available days • Each member of the faculty maintains the lesson plan and course file which are reviewed by the respective HOD and Principal. • Unexpected loss in working days is compensated by working on an available Saturday. • Mentors and student counsellors ensure good attendance and class performance. • After each internal examination, results and the performance are discussed in class committees, department meetings and academic council to evaluate and remedial measures are then initiated. • Parents are informed about the performance of students by phone, email etc., and parent- teacher meetings are convened during each semester. • Evenly distributed regular assignments, class tests, internal examinations and quizzes are conducted. • Lecture notes are also prepared in advance and senior faculty contribute by rendering advice to the others. • Further if a subject is common to more than one branch and if more than one faculty handle a particular subject than a course co-ordinator is nominated for the same. • As far as laboratory classes as concerned, lab manuals are prepared for each laboratory and distributed to the students. • A model practical exam is conducted for the student's midway through the semester. • Central/Departmental Library and e-resources are easily available. • Industrial visits/Educational tours are conducted every year. • Arranging

remedial classes for academically weak students to raise their academic performance.

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
No Data Entered/Not Applicable !!!					

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
No Data Entered/Not Applicable !!!		

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
Placement Training	22/07/2019	245
NPTEL	22/07/2019	83
IIT Bombay spoken Tutorial	22/07/2019	977
Bosch Training	02/05/2020	11
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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	Electronics and Communication Engineering	36
BE	Computer Science Engineering	52
BE	Civil Engineering	48
BE	Mechanical Engineering	43
BE	Bio Medical Engineering	29
BE	Aeronautical Engineering	54
ME	Digital Electronics and	1

	Communication Systems	
ME	Structural Engineering	10
ME	Product Design and Management	1
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>The overall feedback from all the concerned stake holders are collected by using both online and offline feedback systems. The overall feedback is collected and analyzed by the faculty members and the points raised in the feedback form are discussed by an expert committee which includes the principal and all the head of the departments of the institution. The feasible points that are suggested are implemented after taking the consensus from the expert committee. The feedback from parents and students are also taken during the departmental parent teacher meetings and the suggestion from both sections are taken into consideration with due importance. The institution is directly or indirectly involved in the design of the curriculum. Board of Studies (BoS) members is directly involved. ? The concerned faculty gives their suggestions based on the need of the learner. ? The stakeholder's feedback is also taken to understand and suggest the need for the design/ development of the curriculum. The feedback obtained is also used to summarize the overall performance of the institution in its delivery of classes. The necessary changes are also introduced according to the need of the hour. During the 2019-2020 academic session the classes were also conducted in online mode due to COVID 19 .The efficiency of each of the classes were also analyzed by collecting the feedback form.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	Aeronautical Engineering	30	1	1
Mtech	Structural Engineering	30	12	12
Mtech	product design & manufacturing	18	1	1
BE	Mechanical Engineering	60	7	7

BE	Electronics & Communication Engineering	120	38	38
BE	Civil Engineering	120	11	11
BE	Computer Science & Engineering	120	90	89
BE	Biomedical Engineering	60	23	23
BE	Aerospace Engineering	60	52	50
BE	Aeronautical Engineering	120	121	88
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	304	16	115	10	125

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
125	125	597	12	12	81

[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)

Yes, through the Mentor-Mentee system Mentoring System is useful to identify student's personal and professional goals and problems. It will help to encourage the students to face the situation with ease of great confidence and to guide them to go in the right career path. It also improves the Student-Teacher Relationship. The Process as follows: i) In the mentoring process, around 15 students are assigned to each faculty member. ii) The Mentor will guide and help the students in their academic-related problems by doing the counselling periodically. All the students will meet their faculty mentor individually and get guidance if it is required. iii) faculty mentor may contact the student's parent at the time of a mentoring hour to discuss the student behaviour and academic activities. iv) Each Faculty will maintain the mentor-mentee meeting details with them. And it is shown and updated regularly to the Head of the Department to get his/her valuable suggestions for the different issues like student study issues, student attendance, Weak student Improvisation, and Exam Preparation. This Mentor system helped in, - Improving Teacher-Student Relationship - Improving student academic performance Improving the students discipline and encouraged them to participate in many academic-related events, competitions and placement activities.

Number of students enrolled in the	Number of fulltime teachers	Mentor : Mentee Ratio
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institution		
1291	125	1:10

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
125	125	Nil	Nil	32

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
2020	Dr.A. M Prasanna Kumar	Professor	Awarded Ph. D degree from VTU
2019	Dr.M. Mathivanan	Associate Professor	Project Selected for FAER-McAfee Scholar Program
2019	Dr. Suresh P M	Associate Professor	RULA AWARD, Research Ratna. excellent researcher in Tribological properties in composite materials.
2020	Dr. Jyoti Metan	Assistant Professor	Awarded Ph. D degree from VTU
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	1	1st	14/01/2019	11/04/2020
BE	1	3rd	30/11/2019	21/03/2020
BE	1	5th	30/11/2019	02/03/2020
BE	1	7th	30/11/2019	25/02/2020
Mtech	2	1st	21/01/2020	23/04/2020
Mtech	2	3rd	23/12/2019	23/04/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

As Per VTU norms, the Institution conducts Three Internal Assessment Test to reckon the students academic progress. And, Three Assignments also will be

given for each subject and marks will be awarded. Internal Assessment Test Marks will be sent to the parents through ACS college ERP Software. The Institution also conducts a student feedback process every semester to improve Teaching, Infrastructure, and the entire learning experience for the students during their tenure. The Student's feedback is considered as a valuable source of information to measure their level of satisfaction. Parents are invited at least once in a semester to discuss the progress of their wards. This is in addition to the regular monitoring of the student's progress by their faculty mentors. The faculty mentor regularly interacts with the assigned students to monitor and improve the progress of each student and the same is communicated to the parents.

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

Academic Calendar is formed by the institution in consistency with the VTU academic calendar. The following important events will be matched with the VTU calendar. ? Start date and End date of the Academic year and Semesters ? Adhering Approved holidays ? Start and end dates of Theoretical and Lab examinations ? Submission of a shortage of attendance student list and maintenance of eligibility criteria ? Conducting the stipulated three Internal Tests and Assignments (Wherever Applicable) ? Uploading Internal assessment Marks ? Hall ticket generation and distribution ? Conducting the external VTU examinations and uploading the results And Also College Academic Calendar Consist of other activities like College Annual Day, College Sports Day, College Cultural Day, etc., It is Prepared Every semester according to VTU academic calendar and Circulated to all the Department before the commencement of classes.

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://www.acsce.edu.in/acsce/wp-content/uploads/2016/12/PO-PSO-CO-%E2%80%932019-20.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
2	Mtech	structure Engg	10	10	100
1	BE	CIVIL	49	44	90
1	BE	MECH	43	39	90
1	BE	ECE	36	36	100
1	BE	CSE	52	50	96
1	BE	BME	28	28	100
1	BE	AE	52	45	87
2	Mtech	Product Design and Manufacturing	1	1	100

[View File](#)

2.7 – Student Satisfaction Survey

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

<https://www.acsce.edu.in/acsce/wp-content/uploads/2016/12/SSS-2019-20.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	RRGI	0.29	0.29
Students Research Projects (Other than compulsory by the University)	365	NEC Business Incubator	0.4	0.14
Projects sponsored by the University	183	RRGI	0.3	0.3
Minor Projects	365	The Institution of engineers	0.3	0.3
Minor Projects	365	VTU Belgaum	0.5	0.1
Major Projects	365	Space Applications Centre (SAC), ISRO, India	11.12	4.31

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Idea Selection for Smart India Hackathon 2020	AE, BME, CSE, CV, ECE, MECH	10/01/2020
Seminar on IPR and Innovation	Aeronautical Engineering	26/02/2020
Workshop on National Innovation and Start-up Policy (NISIP)	Aeronautical Engineering	27/02/2020
Interactive Session on Hangout with Successful Start-ups	Aeronautical Engineering	04/03/2020
Novel ideas to prevent corona virus	Aeronautical Engineering	24/04/2020
Introduction to GNSS	Aerospace	03/10/2019

Seminar on "Small UAV's - Growing Opportunities in Universities	Aerospace	17/10/2019
Design and Development of UAV's	Aerospace	22/11/2019
3 days Workshop on image classification by Ms Minerva Panda, Niramai health analytix	BME	23/07/2019
1 day workshop on image classification using SVM by Dr Shailesh, Professor, RGIT	BME	25/09/2019
Nanostructured Materials	Civil Engineering	24/08/2019
IPR and Innovation	CSE	26/02/2020
Webinar on "VLSI Front End", CTDS	ECE	23/05/2020
Webinar on "VLSI -Standard Cell Design",CTDS	ECE	24/05/2020
Webinar on "Software quality assurance and placement opportunities", CTDS	ECE	26/04/2020
Webinar on "ERP fundamentals for engineering students",CTDS	ECE	25/04/2020
Webinar on "Artificial Intelligence and Machine Learning in 5G World", CTDS	ECE	21/05/2020
Webinar on "Python Programming for Image Processing and Computer Vision", CTDS	ECE	23/05/2020
Webinar on "Arduino Tutorials", by IIT-Bombay spoken tutorials	ECE	20/05/2020
Webinar onTackling Anxiety in the Context of impulsive adaptation to Virtual Classroom	ECE	18/05/2020
webinar on Artificial Intelligence in Business Operation ,Network Monitoring Support -vanishing traditional jobs raising New career Opportunities	ECE	19/05/2020
IPR and Innovation	CSE	26/02/2020

Advanced Cpp	CSE	07/02/2020
C and Cpp	CSE	30/03/2020
Java	CSE	01/01/2020
LaTeX	CSE	01/07/2019
Python 3.4.3	CSE	01/01/2020
R- Programming	CSE	01/02/2020
RDBMS PostgreSQL Scilab	CSE	01/07/2019
Scilab	CSE	02/03/2020
Arduino	ECE	30/03/2020
Java	CSE	01/02/2020
Python 3.4.3	CSE	01/07/2020
Scilab	CSE	23/03/2020

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
Global Accelerator 2019	Shamanth	U C Berkeley	31/07/2019	Entrepreneurship program
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

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

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
4		

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

Name of the Department	Number of PhD's Awarded
Civil Engineering	1
CSE	2
ECE	1
Math	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)
International	Aeronautical	11	1.2
View File			

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
CSE	4
View File	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Error Diagnosis in Space Navigation Integration Using Wavelet Multi-Resolution Analysis with General Regression Neural Network	Ramanan G	Smart Innovation, Systems and Technologies	2020	15	ACS College of Engineering	Nil
View File						

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
Performance analysis of Navigation with Indian Constellation satellites	R. Mukesh	Journal of King Saud University, Engineering Sciences.	2019	20	2	ACS College of Engineering
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	8	66	71	38
Resource persons	7	8	6	3
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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
Swachh Bharat (06/03/2020)	NSS 15	15	100
Village Survey with Unnath Bharathe abhiyan, Awareness of government Schemes (1/10/2019)	NSS	15	150
International Yoga day(21/06/2019)	NSS	10	70
Visit to Rashthrothana Blood bank	YRC	2	80
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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
No Data Entered/Not Applicable !!!			
View File			

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

Name of the scheme	Organising unit/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat Abhiyaan	NSS	Visit to Bheemankuppe lake for cleaning the premises, Mysore Road	2	90
Basic RC Plane Aeromodelling Training for School Students	AEROENGINEERS, Bangalore SW Aero-sapiens Automation solutions, Hyderabad	Aero modelling Camp	2	7
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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
Basic RC Plane Aeromodelling	Basic RC Plane Aeromodelling	AEROENGINEERS, Bangalore SW	15

Training for School Students	Training for School Students B.Chidananda N.Tejas chandra V.Vikram V.S. Praveen Raghavendra T.S.Yashwanth M.Nandan	Aero-sapiens Automation solutions, Hyderabad	
Prediction of Covid-19 by using AI and ML	RRMCH Faculty Dr. S. Dwajani and Dr. R. Prakash	VTU	365
Consultancy	Dr.A.M.Prasanna Kumar	M/S SUN Jeevan Solar Systems	730
View File			

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
Internship	Internship in Aircraft division	Hindustan Aeronautics Limited Bengaluru-560017	21/01/2020	20/02/2020	AMRITHA S
Internship	Internship in DRDO	Gas Turbine Research Establishment is a laboratory DRDO Bangalore	09/07/2019	08/08/2019	B KIRAN KUMAR
View File					

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
AERO ENGINEERS	04/04/2019	Share UAV training on mutually beneficial area	30
Spoken tutorial Program, IIT Bombay	07/06/2019	Train students on basic computer skills, software and IT	232
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
5	2.9

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Nil
View File	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
NEW-GEN LIB	Fully	2.0.0	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Others (specify)	17693	5378647	740	310239	18433	5688886
View File						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr Raghavendra	Transform calculus Fourier series and numerical technique	Microsoft teams	15/01/2020
View File			

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	510	19	100	25	25	10	12	100	0
Added	7	2	0	0	0	5	3	0	0
Total	517	21	100	25	25	15	15	100	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
PPTs , PDF's and Written notes	https://www.acsce.edu.in/e-lecture-content/

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
30	2829542	30	2278931

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)

• The college ensures optimal allocation and utilization of the available financial resources for maintenance and upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received the college as per the requirements in the interest of students. • Laboratory: Record of maintenance account is maintained by lab technicians, Lab In charge and supervised by HODs of the concerned departments. • Maintenance of laboratories are as follows:- The calibration, repairing and maintenance of sophisticated lab equipment's are done by the technicians of related owner enterprises. • Library:- 1. The requirement and list of books is taken from the concerned departments and HOD's are involved in the process. The finalized list of required books is duly approved and signed by the Principal. 2. Suggestion box is installed inside the reading room to take users feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment. 3. To ensure return of books, 'no dues' from the library is mandatory for students before appearing in exam. 4. Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are chalked out / resolved by the library committee. 5. NGL software with KIOSK using RFID are used in Library. • Sports: - Regarding the maintenance of sports equipment the college sports in charge is deputed. During the session 2018-19 college participated in Cricket, Kabaddi inter-collegiate championship. During 2018-19 VTU sports are organized by college. • Computers: - 1. Centralized computer laboratory established to enrich the students. 2. ERP software is used for maintaining faculty and students details. 3. Each Department having appropriate computer for their requirements. 4. Internet and WIFI Enabled campus. 5. Open access journals facilities are available. • Classrooms: - 1. The college has various committees for maintenance and upkeep of infrastructure. At the departmental level, HODs submit their requirements to the Principal regarding classroom furniture and other. 2. Administrative officers will take in charge for student's academic requirements. • Additionally:- 1. There is lab instructors in every department, who maintains the stock register by physically verifying the items round the year. 2. Department wise annual stock verification is done by concerned Head of the Department. 3. Regular maintenance of Computer Laboratory equipment's are done by Laboratory Assistant along with Laboratory attendant and they are headed by the faculty incharge. 4. Regular cleaning of water tanks, proper garbage disposal, pest control, landscaping and maintenance of lawns is done by Institute concern Employees. 5. College campus maintenance is monitored through regular inspection. 6. Upkeep all facilities and cleanliness of environment in men's and women's hostel is maintained through Hostel monitoring committee. 7. Outsourcing is done for

maintenance and repairing of IT infrastructure such as computers, internet facilities including Wi-Fi and broadband. 8. Updating of software's is done by lab assistants. 9. Outsourcing is done for the maintenance of wooden, furniture, electrification, and plumbing. 10. Regular maintenance of the water cooler and water purifier is done regularly.

<https://www.acsce.edu.in/acsce/wp-content/uploads/2016/12/C4-C7-weblinks.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	Chairman Scholarship	50	733000
Financial Support from Other Sources			
a) National	SC/ST/OBC Scholarship	567	11591580
b) International	0	Nil	0
View File			

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Technical talk on Innovative Nano Structured Material for Industrial Application	24/08/2019	80	Dr. A R. PHANI, FOUNDER, MD of INM Technologies
Internal Hackathon for Smart India Hackathon 2020	10/01/2020	12	Dr. Vinoth S, CEO, Pongu Ventures
Technical talk on "Application of Electronics in automobiles industry"	20/02/2020	60	CADD Training PVT LTD, Bengaluru
EXPERT LECTURE ON CAD/CAE/CAM	25/02/2020	50	Mr. Bernard Raja, CEO Focus Path, Bengaluru
Webinar on Artificial Intelligence Boon or Bane	26/05/2020	89	Mr. Akash Dalmia, Oracle private limited, Bengaluru
Yoga, Meditation	29/02/2020	60	Dr. Bhuvaneswari, ECE, HOD, ACSCE
Webinar on Opportunities in IT hardware sector	01/06/2020	40	Mohammed sheik raja, Power Tech, Dubai

Webinar on Employability skills for future	06/06/2020	100	ICT Academy
Webinar on APPLICATION SOFTWARES USED IN MECHANICAL ENGINEERING	09/06/2020	80	Somashekar C Senior Technical Manager, Axiscades, Bengaluru
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Awareness Programs about GATE, VANI Institute	75	75	26	138
2019	CAREER OPPORTUNITIES AFTER BE/B.TECH THROUGH GATE EXAM	70	70	26	138
2020	Career opportunities in Higher studies & tips to face competitive entrance exams. Mr. Hemaraju, General Electric, Bengaluru	100	100	26	138
2020	Young scholar skill development program Associated with IIT Bombay	13	13	26	138
2020	Career in aerospace industry. Mr. Tamilarasu	100	100	26	138
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual

harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
1	1	1

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
NTT Data, H udl, Freenkar t etc	104	78	Infosys, Qs pider etc	93	60
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	7	Engineering ,ACS College ,Affiliated to VTU ,Belagavi	CIVIL	ACSCE, Bangalore	M.Tech
2019	1	Engineering ,ACS College ,Affiliated to VTU ,Belagavi	CIVIL	SJB Institute of Technology	M.Tech
2019	1	Engineering ,ACS College ,Affiliated to VTU ,Belagavi	MECHANICAL	NIE, Mysore	M.Tech
2019	1	Engineering ,ACS College ,Affiliated to VTU ,Belagavi	MECHANICAL	Dayanand Sagara College	M.Tech
2019	1	Engineering ,ACS College ,Affiliated to VTU ,Belagavi	Computer Science	Reva University	M.Tech
2020	1		Biomedical	BMSCE	M.TECH

		Engineering ,ACS College ,Affiliated to VTU ,Belagavi	Engineering		
2020	1	Aeronautical Engineering, ACS College, Affiliated to VTU ,Belagavi	Aeronautical Engineering	M.S in University of Leicester UK	M.S
2020	1	Aeronautical Engineering, ACS College, Affiliated to VTU ,Belagavi	Aeronautical Engineering	Manipal University	M.Tech
View File					

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

Items	Number of students selected/ qualifying
GATE	3
Any Other	23
View File	

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

Activity	Level	Number of Participants
VTU SPORTS	UNIVERSITY	112
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

The institution has a practice of identifying class representatives for each class and nominates them to the student council. The members from this council are adopted for different administrative bodies. The council is responsible for conduct of many activities in the campus including curricular, co-curricular and extracurricular activities. The activities of the council would be supported by the participation of all the faculty members. The required funding for conduct of such events is met by the management of the institution.

1.Academic committee: Smooth running of classes, result review, Academic

activity review etc. 2. Disciplinary committee: Respond to allegations of misbehaviors or academic misconduct, educate student about impact of their behaviours, Honest conduct and rights of others, investigate and respond to complaints made about ACSCE, investigate allegations and take actions. 3.

Cultural committee: Conducting cultural events, facilitating student participation in other institutions at state/inter state level. 4. Library committee: Library functioning/automation, updating Library as per AICTE norms.

5. Hostel and Canteen committee : Maintenance and attending to grievances if any and Night inspections of hostel and maintenance 6. Anti-Ragging committee: Display pamphlets of anti ragging, observation anti ragging in the campus including hostel. 7. Student Welfare committee: Listening and resolving student grievances, Addressing student facilities. 8. Professional/NSS committee: Conducting ISTE sponsored programmes, to give a personality boost with the help of selfless social work with student personality. 9. Magazine committee: To initiate action to publish from ACSCE. 10 Grievances redressal committee: Listening and resolving student grievances addressing student facilities. 11.

Sexual Harassment Elimination committee : addressing the issue of sexual harassment of women in the college premises(Prevention, Prohibition and Redressal) 12 Sports committee: Conducting sports events, Facilitating student participation in other institutions at state/inter state level. 13. RD committee: Planning, developing and focusing on overall responsibility of all research and development activities. 14. Mentoring of Student Welfare:

Listening and mentoring the student about their grievances. 15. Women Empowerment: Empowering women to participate fully in economic life across all sectors. 16. SC/ST/BCM Cell: Promotes special interest of students in the reserved category and provide special inputs in areas where the students experience difficulties. 17. Alumni Association: Induction of current passed out students into the Alumni association. 18. Placement committee: Establishing the contacts with reputed firms, arranging campus interview and conducting various placement related programmes.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

An alumni association is an association of graduates. ACS College of Engineering Alumni Association makes the professional structure, which helps the alumni to get associated with each other. This worldwide stage of alumni association acts as a platform for all the alumni members by establishing their inner talents as well as by extending the helping hands with each other. Thus, it paves the way to establish, enrich and enhance the skills of every alumni member throughout their lifetime. Provide a variety of benefits and services that help alumni maintain connections to their educational institution and fellow graduates. The purpose of an association is to foster a spirit of loyalty and to promote the general welfare of our organization. ACSCE have registered under Jayanagar in the Alumni Association under Karnataka Society Registration Act on Friday 26th September 2014. The registration ID as follows: JNR-S222-2014-15. Alumni associations exist to support the parent organizations goals, and to strengthen the ties between alumni, the community, and the parent organization. One of the main purposes of alumni associations is to support a network of former graduates who will, in turn, help to raise the profile of the university. The students perform better, they get placed in renowned colleges, theyre better informed about their prospective college and course.

5.4.2 – No. of enrolled Alumni:

263

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

5.4.4 – Meetings/activities organized by Alumni Association :

07/07/2020, Alumni Association meeting through Google meet (online)

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

1. Academic functioning: The college inculcates the culture of collective responsibility amongst its faculty members and the constitutive departments. The college delegates authority and provides operational-autonomy at various levels. Under the supervision of Principal, and Heads of the Departments are empowered and the departments are provided academic autonomy a concrete step towards effective decentralized governing system. During this epidemic situation each department is given freedom to take the necessary decisions in conducting the online class and conducting many webinar activates several prepare pertaining to the development of the students as well as faculties 2. Administrative functioning: The office administrative responsibility distribution and monitoring are handled by the Principal in tandem with the college authorities. Though budget preparation is an administrative responsibility, individual budgets are prepared at departmental level and final budget is prepared based on those departmental inputs. Every department has the freedom to use the allotted budget for various activities. During this epidemic situation each department is given additional freedom to carryout various responsibilities and activities necessary for the smooth functioning of the institution. Decentralized into several different committees especially to keep in contact with student, parents and all the stakeholders through digital platform which contain members like faculty members, student coordinators parent representatives and industrial represents and all the committees are monitored by IQAC both Institution level and in department level

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
Industry Interaction / Collaboration	1. Students took up internships in leading industry As per the university norms students are doing internships in leading industries in both government and private organizations like for Aeronautical branch industries like :- Center for excellence on aerospace and defence, HAL, NAL GTRE, DRDO, Toyota Bangalore, Rize Industries For biomedical Engineering industries like :- M.S.Ramaiah Memorial Hospital , BEL road mathikere, Bangalore PES Institution of Technology:Bangalore NIMHANS Hospital near Wilson garden ,Bangalore B.M Hospital,Calicut Wipro,GE healthcare , Whitefield, Bangalore Narayana Health City

,Bommasandra, Bangalore Wipro,GE healthcare , Whitefield, Bangalore Sagar hospitals,Kumaraswamy layout, Bangalore N V Equipments, Vidhyaranyapura, Bangalore. For computer science industries like :- Chip Logic Generis Technology Mindset IT solutions Appslucent Software Pvt Ltd Sonata software Ltd ONTRIVE , Shreekrish innovation Technofly Web Logik CETPA InfoTech Pvt. Ltd. For Electronic and communication branch industries like :- Cleverbit Solutions Contriver Vlc Software Technologies Global Pvt.Ltd. Uniq Technologies Bhel Electronics Division for Civil Engineering branch industries like :- "Centre for urban rural infrastructure planning enterprises" "Hoysala Constructions" "NRK Constructions" "Y B Constructions" "Government of Karnataka"- Public Works Department, sub-division office, Malavalli, Mandya"Government of Karnataka" - Water Resources department, Taraka sub-division office, HD Kote, Mysuru "Apkon Ventures Pvt Ltd" etc 2. Industrial visit was organized for the students Many industrial visits throughout the year has been conducted students have visited DiFACTO Robotics and Automation, NAL, Bangalore, HAL, Heritage Center Bangalore, Rashtrothana blood bank Bangalore, Water Treatment Plant at T.K Halli

Library, ICT and Physical Infrastructure / Instrumentation

The institution boasts a well-stocked and digitalized central library with institution and department-wise division to ensure easy, quick and efficient access to desired data. 1) The campus is Wi-Fi enabled. All the buildings are under the electronic surveillance. 2) The Digital Library provides large number of on-line journals, e-journals, ebooks, and on-line bibliography. 3) KIOSK and Institutional Repository software are in place for information 4) Regular addition of latest books and journals 5) The Institutional repository of the central library is periodically upgraded along with department library. 6) Creation of video conferencing facility to provide access to the experts. • OPAC Software is provided for personal assistance to each and every user while accessing the library books 7) Every department has

individual air-conditioned seminar hall with LCD projector, system with internet connection. 8) RFID cum Bar-coded Identity card to all the users. 9) E-library and E-journals resources

Research and Development

A Research Committee is appointed by the IQAC chairman / Principal of the College to strengthen and motivate the faculty members for improving and enhancing the standards of learning and research. Under this committee teachers' research projects as well as students' research projects are encouraged and given support for better outcomes. The Research committee formed by Principal give guidance various departments of the Institution organizes National, conferences, symposium and workshops to promote research activity in the institution. Many professors are guiding the research scholars under Institution/ University research centres The most of departments in the institution is identified as VTU Research centre for providing Ph.D program. Most of the faculties are pursuing PhD in VTU. All the faculties have contributed their research activities by publishing papers in referred journals/ conference (Scopus, UGC Approved). The guides are encouraged to guide the scholars to improve the research activities through the research scholars and faculties of the institution and also they can motivate undergraduate, postgraduate scholars

Examination and Evaluation

The VTU has done central valuation system so there is no provision to reveal the answer script of student Hence, the department has done PO, PSO Internal assessment only, Institution has initiated the centralized internal assignment system through which institution will maintain uniform and a systematic way in framing the question papers, schemes and solutions, evaluating methods and these things will also be reviewed by the heads of the department at every stage. Necessary instructions will be provided if there is any discrepancy it will be discussed in the department IQAC meeting and necessary solutions will be taken In this epidemic situation also Principal, and HOD's of all the departments collaboratively conducting

online meetings for the smooth functioning of internal examinations and evaluation process. Information regarding test conduction, monitoring of students and answer sheet evaluation is intimated timely to all the staff members of the Institution. Internal examinations are also conducted. Students are shown their internal exam answer sheets as well to maintain transparency. University questions papers are received online through University website. The institution provides seating arrangements and supervisors for smooth conduction of external exams. The evaluation of external exam papers are evaluated by the university with the coordination of faculties and results will be available through university website to the concerned.

Teaching and Learning

? The institute have adapted many techniques to enhance Teaching and Learning methodology specially in this epidemic situation like Visual Based Learning, conducting online class and encouraging students to take NPTEL course, follow e-shikshana creating whatsapp group to have a mutual interactions circulating the digital study material conducting webinars by various industrial personals to give the industrial exposure

Curriculum Development

The institute is affiliated to VTU-Belagavi (Visveswarya Technological University).The university has given syllabus and curriculum to the affiliated institute. In the syllabus, the course outcome and graduate attribute are defined. Hence, the department should follow university syllabus and curriculum. Inputs for framing the Curriculum will be conveyed through various Board of Studies members appointed by VTU through various review meetings conducted by the university to frame the syllabus

Human Resource Management

The Institution has been a backbone for many all-round activities to ensure a healthy environment for its employees. Many Programmes are conducted under Staff Academy to motivate and spread positive energy in the college campus. In this league online programmes were conducted for stress management and awareness. Teaching faculties are given Duty Leave

to participate in national and international conferences. To upgrade and enhance the standards of academic environment, Permanent teaching faculties are send to various refresher, orientation and Short Term courses and some departments of the Institution also conducts refresher , Faculty Development Programme and Short Term Courses. The roles and responsibilities of faculty and staff members have been defined by the respective Heads of the Department as recommended by academic council of the Institution. • A well academic environment is under practice that works for the academic growth of faculty members and students. • The well-structured pedagogy model adopted by the faculty member helps to deliver course materials. • Faculty members are being constantly encouraged for publishing research papers in conferences and journals

Admission of Students

Institution has taken several measures during the time of admission Institution also conducts workshop and short term free courses for preparations for CET exams. The institution has a dedicated admission department which will help the students in admission process arrange counselling with the experts. Especially in online mode like video and audio calls to help the students this epidemic situation The faculties council the students who has just passed PUC / 12th and are in the state of making selection for their future . Most of the students will not be having knowledge of various opportunities in various fields, most of the students will not be able to match their interest to their profession the young minds will be lot of pressure and in dilemma. Even the parents are in the confusion that what is good for their wards future. Faculties of the institution do one to one counselling for students and try to give the clarity about courses offered by the institution and by the university as well. The councillors help the students to figure out their interest and help them to match to their profession and advice them in selecting the courses. The councillors also advice the parents to encourage their wards to select the

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

E-governance area	Details
Planning and Development	The Institution has ERP software that preserves and provides all academic and official data under one system of online information. ERP software provides to all academic and administrative departments and faculty members of the Institution. The information and details provided in all respective information are later procured for many official purposes like magazine reports, annual reports, higher education reports, Central Documentation Committee. This also gives accessibility to the Principal and the Management and various Committees to scrutinize and verify all the activities conducted by different departments and faculties of the Institution and further facilitate growth and innovation in the smooth functioning of the Institution
Administration	The Institution makes continuous efforts to go paperless in its entire administrative and official works like casual leave for faculties and circulars. All online and computerized functioning is done to practice transparency while sharing information within the institution, faculties and departments Institution has its own webmail system , whatsapp groups to pass on information in a fast and effective manner
Finance and Accounts	Management checks, verifies and guides the finance and accounts section time to time. The university also implemented the e-Governance in financial administration. The university is implementing e-Governance system step by step which is intended to offer more flexibility in financial management and contributing to Digital India. In this epidemic situation also institution has supported and encouraged the students in conducting digital mode of fee payments
Student Admission and Support	For constant support and assistance to the student community online tools are used to keep in touch and inform them about various notices time to time. The website and feedback forms are provided to the students. Besides

that online messages and short messaging services are also used to inform and notify students about different academic and official activities. The teaching faculty has also created Google groups and whatsapp groups to post updates and news related to academic and official documents.

Examination

The Institution conducts internal and Semester Wise examination smoothly. The sitting arrangement of the students is provided on the examination days. Notices related to exams are also posted and updated on priority basis. Thus the Chief Examination Officer and examination committee in Institution ensures transparency and quicker methods of conducting exams. Besides that marks of the internal exams and semester exams are also sent to the University online. In this epidemic situation also internal assignment are conducted online and marks are also allotted based on the online assessments

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
Nill	Dr. Senthilkumaran T	IIT Bombay Spoken Tutorial Training/Workshop	Nill	25000
View File				

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)
2019	Pandit Madan Mohan Malaviya National Mission on Teachers and	Nill	01/07/2019	05/07/2019	38	Nill

	Teaching					
2020	Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching	Nil	01/02/2020	03/02/2020	34	Nil
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Outcome based education and NBA accreditation	20	06/01/2020	10/10/2020	5
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
23	23	21	21

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Free medical facility at RRMCH, Medical insurance	Free medical facility at RRMCH, Medical insurance	Free medical facility at RRMCH Medical insurance chairman Scholarship

6.4 – Financial Management and Resource Mobilization

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

<p>ACS college of engineering is established in the year 2009 moogambigi charitable trust by Dr. A C Shanmugan. Name of the Principal : Dr. M S Murali Office barriers : Mrs.Suandhana (Accounts officer) Ms. Swetha - Accountant Mrs. Kusuma Objectives To evaluate the adequacy of internal cash flow system and management of funds To ensure the compliance of the laid down policies and procedures as documented in the financial management manual Methodology of audit Watching of all bank and cash transactions, ledger scrutiny analysis of fixed asset fixed asset, register cashbook advance registers checking of bank reconciliation statement, scrutiny of all document related to purchase Verification of documents • Interest on advance settlements • Fixed assets • Interest income • Verification of cash • Improper receipt vouchers • Accounting lapse • Difference in opening balance • Petty cash book • Record of scrutiny reports</p>
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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
College	17000	FDP
View File		

6.4.3 – Total corpus fund generated

1000000

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	NBA, LIC	Yes	Audit committee formed by principal
Administrative	Yes	NBA, LIC	Yes	Audit committee formed by principal

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

1. Parent teacher meet was organized periodically to update academic activities of their ward. 2. Parents are updated periodically about there wards performance and all other needed information through institution have a Management Information System 3. During the pandemic time faculties have supported students and also counseled the parents via phone calls

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

1. Soft skills Development program for support staff was conducted by computer science department 2.Information about new facilities in lab conducted by aeronautical Department 3. New technologies in civil Engineering labs program conducted by Civil Department 4.Microsoft Teams Awareness Program conducted by Aerospace Department 5. Recent trends in Material Testing Program conducted by Mechanical Engineering Department
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Centre Test for Data Sciences (CTDS) started to improve the industry interactions 2. MOU signed with Pongu ventures Pvt. LTD. to develop innovation and incubation activates 3. In-house FDP on Revised Accreditation Framework 4. Centralized internal assignment system is implemented 5. Signing of MoU with likeminded institutions
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6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	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
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2020	Webinar on "Introduction to web application Development using PHP" remote learning for academic excellence"	15/05/2020	18/05/2020	18/05/2020	102
View File					

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 2020	10/03/2020	10/03/2020	163	12
Women Entrepreneurship Awareness Program	23/09/2019	23/09/2019	110	8
Yoga to stay Healthy during these COVID times	22/06/2020	22/06/2020	85	7
Teachers day	05/09/2019	05/09/2019	60	40

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
<ul style="list-style-type: none"> During July 2019 - June 2020, a Total of 125 tube lights (36 Watt) were replaced with 18 W LED Lights, Similarly in above duration a total of 85 Tube lights (40 Watt) were also replaced by 18 W LED lights. CRT monitors being replaced with LCD/LED Monitors

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	5
Ramp/Rails	Yes	5
Braille Software/facilities	No	Nil
Rest Rooms	Yes	5
Scribes for examination	Yes	5
Any other similar facility	Yes	5

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	01/10/2019	01	Unnatha Bharatha Abhiyaana "Swachhata hi sewa" "Plastic Free Campaign"	Cleanliness "Plastic Free"	100
2019	1	1	21/11/2019	01	Nithyotsava - 2019 Kannada Rajyotsava	State and Regional Language "Karnataka Day"	220
2020	1	1	06/03/2020	01	Swaccha Program at Bhimmanakuppe Lake	Cleanliness	50
2020	1	1	21/01/2020	01	Tree Plantation Activity	Environment Issue	40
2020	1	1	06/04/2020	06	Food packet and Mask Distribution	Hunger Pandemic due to COVID 19 Lock Down	20
2020	1	1	05/06/2020	01	World Environment Day	Environment Awareness	25
View File							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct (handbooks) for various stake holders	01/08/2019	The student handbook/Declaration is provided for the students at the time of admission.. The students were encouraged and sponsored to pursue online courses based on the area of specialization. The

		<p>admission team and the faculty made sure of all the clarifications that were raised by the students and the parents including the Identity card, the disciplinary action based on nature of misconduct, warning, restrictions on certain action, violations and anti-ragging enforcement. The students were also involved in community service that fosters integrity towards the intellectual and ethical environment of the institution.</p>
Code of Conduct for Employees	01/08/2019	<p>The service manual is provided for the employees (both teaching and non teaching) which gives clear instruction, roles and responsibility of all the employees working in the organization. The Discipline and Grievance committee has been framed to monitor adhere to the code of conduct. The faculty members were encouraged to follow human values and ethics in the polluted environmental scenario and to teach the students to follow ethical standards in the human life and also to pursue online courses based on the area of specialization and values and ethical related courses through NPTEL, They are also motivated to focus on their respective roles and responsibilities, the teacher shall devote his / her time and energy to develop and improve their academic and professional competence. The teachers shall prepare lectures and Power point presentations, Case</p>

		<p>studies, notes in pdf and engage classes online and clarify doubts on and off the classes. Every student has to be monitored regularly and must observe and adhere to the provisions of the University. Apart from these regular activities, the extra-curricular, co curricular activities shall be given due importance. Overall they should seek to manage professional growth continuously through study and research. Every faculty member has to update and maintain an active membership of professional organizations and strive towards excellence.</p>
Code of Conduct during COVID Period	12/03/2020	<p>Circulated soft copy of rules and regulations to be followed by the faculty members and students during the COVID periods. As Institutions reopen, it's important that precautions are taken both inside and outside the classroom to prevent the spread of COVID-19. This aims to support teachers with information: Physical distancing at Institution Practicing health and hand hygiene Cleaning and disinfecting tips for the classroom Actions to take if a student appears sick</p> <p>A key lesson learned during the pandemic is the important role teachers play in ensuring that learning continues. As Institutions reopen, a lot will depend on teachers to ensure that students will be able to continue their education in a safe and healthy environment and make up for knowledge and skills. The students might be</p>

		<p>returning to Institution from households where they heard false information about COVID-19. You will need to educate them on the facts. Understanding COVID-19, how it spreads and how we can protect ourselves and others is an important first step in establishing classroom procedures and protocols.</p> <p>Students need to understand what it is in order for them to follow the rules. Listen to their concerns and ideas and answer their questions in an age-appropriate manner. Discuss the different reactions they may experience and explain that these are normal reactions to an abnormal situation. Make sure to use information about COVID-19 from reliable sources such as UNICEF and WHO, as well as the health authorities in our country. By staying informed about the situation and following the recommendations of public health experts, we can protect our own well being and those around us.</p>
Professional Ethics Programs in the students induction program	19/08/2019	<p>Professional Ethics Programs in the students induction program is organized by the Institution. The purpose of Student Induction Programme is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self</p>

		<p>exploration The term induction is generally used to describe the whole process whereby the incumbents adjust to or acclimatize to their new roles and environment.</p> <p>Student Induction Programme engages with the new students as soon as they come into the institution, before regular classes start. At the start of the induction, the incumbents learn about the institutional policies, processes, practices, culture and values, and their mentor groups are formed Students Induction could cover a number of different aspects:</p> <p>Socializing: meeting other new students, senior students, students union, lectures by Eminent People</p> <p>Associating: visits to college, visits to Department/Branch/ Programme of study and important places in campus, local area and so on</p> <p>Governing: rules and regulations, student support.</p> <p>Experiencing: Subject lectures, study skills, small-group activities, physical activity, creative and performing arts, literary activities, universal human values.</p> <p>List of activities conducted at our institution:</p> <ol style="list-style-type: none"> 1. Physical Activity 2. Mentoring 3. Familiarization to Dept./Branch 4. Creative Arts and Culture 5. Literary Activity 6. Lectures by Eminent People 7. Visits to Local Area 8. Extra-Curricular Activities in College
Professional Ethical Program	02/09/2019	The Head of the Institute addresses the

teaching and non teaching members in the professional ethical program in the beginning of the academic year

Engineering is transforming science into useful products for human comfort. Engineering is something that engineers do, and what they do has profound effects on others. Ethics in engineering then is the ability as well as responsibility of an engineer to judge his decisions from the context of the general well being of the society. It is the study of moral issues that confront engineers and engineering organizations when some crucial decisions are taken. Engineering research and practice requires that the task being performed considers all the pros and cons of a certain action and its implementation.

Professional engineering bodies like ASME, IETE, ISTE, have evolved comprehensive ethics codes relevant to their respective professions, based on the rich experience of their members. Independent organizations have prepared value based ethical codes applicable to all engineering professions. Teaching engineering ethics in academic institutions is undertaken largely through many case studies for creating awareness interactively among engineering students of all disciplines. By studying engineering ethics, the students develop awareness and

assessment skill of the likely impact of their future decisions on moral and ethical grounds. Ethical standards in engineering are influenced by many factors: 1. Engineering as an experimentation for the good of mankind is a notable factor involving far reaching consequence, 2. Ethical dilemmas make engineering decisions relatively difficult to make. 3. Risk and safety of citizens as a social responsibility is a prime concern of an engineer, 4. Technological advancement can be very demanding on the engineering skill in the global context, 5. Moral values and responsible conduct will play a crucial role in decision making. The study of engineering ethics within an engineering program helps students prepare for their professional lives. A specific advantage for engineering students who learn about ethics is that they develop clarity in their understanding and thought about ethical issues and the practice in which they arise. The study of ethics helps students to develop widely applicable skills in communication, reasoning and reflection. These skills enhance students abilities and help them engage with other aspects of the engineering program such as group work and work placements. Profession is a commitment to a designated and organized occupation by virtue of being an authority over a body of knowledge with requisite skills acquired

		<p>through specialized training. An occupation becomes a profession when a group of people sharing the same occupation work together in a morally acceptable way with members setting and following a certain ethics code. A professional is a practitioner belonging to a specific profession. Professional ethics, as opposed to personal values and morality, is a set of ethical standards and values a practicing engineer is required to follow. It sets the standards for professional practice, and is only learned in a professional school or while practicing one's own profession. Today, it is an essential part of professional education because it helps students deal with issues they will face. The scope of engineering ethics envelopes diverse activities like 1. Engineering as a social experimentation 2. Engineers responsibility for safety 3. Role of engineers, managers, consultants 4. Rights of engineers 5. Moral reasoning and ethical theories 6. Responsibility to employers 7. Global issues and concerns</p>
Conduct of University examination and standard operating Procedure guidelines for the faculty members	27/07/2020	<p>The Head of the Institute explains about Conduct of University examination and standard operating Procedure guidelines for the faculty members in the beginning of the university examination during COVID period. The Head of the Institute explains about Conduct of</p>

University examination and standard operating Procedure guidelines for the faculty members in the beginning of the university examination during COVID period. UGC has been issuing advisories and guidelines for COVID appropriate behavior and management of institutional activities by following Standard Operating Procedures (SOP's)/Protocols/Guidelines prescribed by the Government from time to time. COVID19 Challenges times demand that we remain sensitive to the problems and needs of our stake holders and extend our best possible support and help to overcome such unprecedented situation.

As Head of the Institution, all of us have taken greater responsibilities on our shoulders to mitigate these critical unprecedented situations. During this period it is essential to accept the responsibilities to work collectively in the larger interest of all concerned for their health and safety and keeping the campus safe. The University has issued a guidelines for the conduct of examination and academic calendar for the institution in view of COVID 19 pandemic and subsequent lock down. In these guidelines, in view of emerging situation related to COVID 19 pandemic in India, it is important to safeguard the principles of health, safety, fair and equal opportunities for the students. At the same time, it is very crucial

		to ensure academic credibility, career opportunities and future progress of students globally. VTU SOP Link: https://vtu.ac.in/wp-content/uploads/2020/07/Letter.pdf
Annual Awareness Program on Code of Conduct	18/09/2019	<p>The institute organizes Annual Awareness Program on Code of Conduct for teaching and non teaching members. The institute organizes Annual Awareness Program on Code of Conduct for teaching and non teaching members. A Code of Conduct is a key part of its ethical framework. Outlining an organizations key ethical principles and providing guidance on the expected standards of behavior for employees, the Code serves as an important resource for employees as they navigate the sometimes challenging of the workplace. This introduced employees to the uses and benefits of their organizations Code of Conduct, and offer practical advice on how to apply the Code to ethical values they may encounter in the professional environment. The course materials and content are for informational purposes only and do not constitute legal advice.</p>
Engineers Day	15/09/2019	<p>The institute organizes Engineers Day every year and felicitate the students and faculty members for their remarkable achievements. The institute organizes Engineers Day every year and felicitate the students and faculty members for their remarkable achievements.</p>

The Institute organizes Engineers Day on 15th September 2019, and felicitate the students and faculty members for their remarkable achievements. On 15th September, a splendid daylong function was organized to celebrate "The Engineers Day", in the remembrance of Dr. Mokshagundam

Visvesvaraya, world renowned ever first Indian civil engineer, recipient of several prestigious recognition, including awards like "Bharat Ratna". Principal of college gave inaugural speech with most updated reviews on achievements and visionary thoughts of Sir Visvesvaraya, which have great potential even for ongoing era of engineering. On this occasion all ACSCE students were got involved in several extracurricular activities, including collection and presentation of several unknown findings, achievements, mile stones created by Sir Visvesvaraya to establish engineering profession and its deep roots into the society. A systematic set of activities were conceived and organized making several groups of students with common thoughtful tasks, correlating the engineering and its true applications with emerging burning issues of society. The prevailing challenges in regards to water, energy, climate, and socioeconomic aspects were well reviewed by the students, followed by

long debates and thoughts. The young students very nicely transformed their visionary thoughts and ideas into pictorial presentations by presenting many quality posters using hands, colours and artistic ingredients thereupon. Students remained busy for whole day after having shared their experience for that entire day, being in seventeen diverse groups. Each groups had decided their own name, which has sound relevance with their theme. Posters were finalized having their correlations with emerging importance of agricultural engineering based interventions for Indian agrarian society. The posters were formally arranged in a gallery at common entrance place of college, where majority of people got the chance to go across this beautiful art gallery.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Universal Human value-1	12/08/2019	12/08/2019	306
View File			

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

1. Municipal Solid Waste Management
2. Consent of KSPCB (Karnataka State Pollution Control Board)
3. 3. Sewage disposal 300 KLD sewage treatment plant to treat the sewage water from the hostels and canteens receives 32KLD
4. Rain Water Harvesting
5. 5. Green Campus Initiatives i. Use of Battery Operated Carts ii. Green Belt Development iii. Conservation of Water Bodies iv. Recycling of Hazardous Wastes v. Combat Against Global Warming
6.6. Created Awareness about environment to the students by conducting workshop, seminar, webinar etc i. Tree plantation at ACSCE as an activity of plantation club on 21st jan 2020 ii. Industrial visit organized to T K Halli iii. Water Treatment Plant on 5th March 2020. iv. Technical seminar on "Climate

Change - A Case Study" on 20th May 2020 - Dr. L Udayasimha v. Webinar on "Impact of Mining on Climate Change" on 22nd May 2020 - Dr. Beulah M vi. Webinar on "Green Infrastructure for Sustainable Development" on 23rd May 2020, by Prof. Ravipatil, RRIT

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: Title of the Practice : Training students in cutting edge Open Source Software. Objectives of the practice To offer value added courses to students across disciplines in the niche areas in the IIT Bombay (Spoken Tutorials) mode. To promote mass usage of Open Source Software among students and teaching faculty. To reach out software learning to students of all the disciplines to excel in their domain. The Context India is a front runner in the computer software area and to maintain sustainability there is a need for updated domain knowledge. There is a need to facilitate students with different background / economic status / linguistic nature to software education in a student-friendly way in an affordable way. There is a need to generate discipline specific graduates with knowledge on skill base software to handle the domain specific Artificial Intelligence needs. Evidence of Success In the Academic year 2019-20, 15 value added software courses were offered and 543 students enrolled in these courses across departments. The employ-ability skills of the students has enhanced since many employers opting to select students with updated software training in emerging areas. Problems Encountered and Resources Required Problems Encountered Difficulty in creating awareness among non circuit branch students to pursue open source software courses. Problems in breaking the mental barrier of academically weak students to pursue these courses due to misunderstanding of complexity level. Resources Required There is a need to create more awareness on students belonging to non-engineering category about the benefits of pursuing online based, discipline specific, soft ware courses. Faculty members shall be motivated to pursue the open source software courses to understand better the learning tools and disseminate the information to students

Best Practice - 2 Title of the Practice:"Innovation awareness among students Objectives of the practice The primary objective of Innovation Council is to encourage, inspire and take care of young students by supporting them to work with new ideas and transform them into prototypes while they are informative years. To provide adequate knowledge on social entrepreneurship and advanced entrepreneurship To promote innovation in the Institution through countless modes leading to an innovation promotion eco-system in the campus The context To organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators. To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion. Identify and reward innovations and share success stories. Network with peers and national entrepreneurship development organizations. Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students. Students and faculty members were motivated to join the innovative culture and give solutions for innovative projects and make a significant contribution to an existing product, process or service. Evidence of Success In the academic year 2019-20 18 IIC driven activities, 32 MHRD driven activities and 20 self driven activities were conducted and 485 participants actively participated in these activities Problems Encountered and Resources Required Problems Encountered Difficulty in imparting online based entrepreneurship training to academically challenged students. Resources Required Generation of trained faculty members, department wise, to offer the entrepreneurship course with discipline specific mode.

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

Best Practice 1: <https://spoken-tutorial.org/statistics/training/> Best Practice 2: <https://www.acsce.edu.in/institutions-innovation-council-iic/>

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

VISION AND MISSION OF RESEARCH DIVISION OF OUR INSTITUTE Vision ACS College of Engineering (ACSCE) Research and Development cell(RD)shall blossom into a centre of national importance with global association. Mission ACS College of Engineering (ACSCE) Research and Development cell shall strive to be known for its To offer Ph.D programme in all the Departments of the Institution Applied research catering to the needs of technological development. State of the art infrastructure supports young researchers on research and development activities Contributions towards sustainable engineering and technology, Aeronautical, Aerospace, medical products, automotive and autonomous vehicles, Nano systems, sensor networks, AI, ML, Data Science and software computing To excel in research the following measures are implemented Planning, promoting and facilitating leading-edge research, including interdisciplinary and collaborative research, in the thrust areas related to the goals of our ACS College of Engineering. To encourage faculties and students to carry out research at the undergraduate, post graduate level and research leading to PhD To improve number of referred journal publications, quality of projects and file patents To provide solutions for project students, organize national level conference, seminar and workshops for students, staff To establish collaboration with national and international universities, research organizations and funding agencies to develop technology for commercial and defense applications Transferring knowledge to Society through outreach programmes. Research Incentive Scheme for faculty The primary objective of the proposed incentive scheme is to motivate the faculty members of our Institution to undertake quality research, consultancy and other related activities. Scope Of The Scheme To motivate faculty members to concentrate on research related activities in addition to the teaching so as to publish articles in reputed refereed international and national journals with impact factor. To pursue efforts to write books, monographs for publication by International and National publishers of repute. To apply and work on funded research projects sponsored by AICTE, VTU, DST, ISRO and DRDO and other state, national and international funding agencies To improve number of referred journal publications, quality of projects and file patent To provide better library and E journal Facility for Encouraging Research Scholars. Library Facilities Automated through RFID circulation counters. Reference Section. Digital Library service. E-Journals facility. Print version Journals and Magazines. Previous Question papers. Internet centre for browsing.

Provide the weblink of the institution

<https://www.acsce.edu.in/research/>

8.Future Plans of Actions for Next Academic Year

Institute has been initiating and implementing various activities to assure and improve quality in the different aspects of academics, co-curricular and extracurricular activities, faculty development. Another aspect, institute is focusing is social exposure to students and faculty by conducting extension activities. 1. To promote entrepreneurship and innovation through skill development. 2. Intensive training for preparing students for competitive examinations. 3. Organize more community service activities to contribute to the wellness of the society Institute is planning to organize more community service activities to contribute to the wellness of the society. 4. Continuous interaction between technical institution and industry is an essential

requirement to enhance an employability of engineering graduates. 5. To motivate the faculty for minor major research projects to provide more infrastructural facilities. 6. To organize campus interview for placement of students frequently in the college campus by industries, companies banks, etc.