Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**EXCEL ENGINEERING COLLEGE**
Name of the head of the Institution	**S. POORNACHANDRA**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04288-227361**
Mobile no.	**9965641888**
Registered Email	**principaleec@excelcolleges.com**
Alternate Email	**principal_excel_engg@yahoo.in**
Address	**Excel Engineering College, NH544, Salem Main Road, Komarapalayam Namakkal Disrict-637303**
City/Town	**Namakkal**
State/UT	**Tamil Nadu**
Pincode	**637303**
2. Institutional Status	
Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr.C.Karthikeyini**

Phone no/Alternate Phone no.	04288227631
Mobile no.	9787287722
Registered Email	chiefiqac@excelcolleges.com
Alternate Email	ckarthiraja@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.excelinstitutions.com/excel_group/excel_engg/pdf/aq1
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.excelinstitutions.com/excel_group/excel_engg/pdf/AC%2 20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	**Period To**
1	B+	2.56	2016	05-Nov-2016	04-Nov-20
2	A+	3.26	2019	28-Mar-2019	27-Mar-20

6. Date of Establishment of IQAC	30-Dec-2014

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 partic beneficiari
Orientation Program on Internal question paper settings using revised blooms taxonomy	19-Oct-2019 1	50
Orientation program on Udemy Online courses by Mr.Hanu Yedluri, Brain Labs AI-Udemy	28-Nov-2019 1	50
Academic Audit and follow up	16-Dec-2019 4	200
Academic Audit and follow up	12-Feb-2020 3	200

Webinar on How to build AI Products	27-Apr-2020 1	150
Webinar on Art of writing Research Papers	28-Apr-2020 1	150
Webinar on Beyond Accreditation	29-Apr-2020 1	150
webinar on Blended Learning	30-Apr-2020 1	150

View File

8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	A
No Data Entered/Not Applicable!!!				

View File

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	**View File**
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	**View File**
11. Whether IQAC received funding from any of the funding agency to support its	**Yes**

activities during the year?	
If yes, mention the amount	2497000
Year	2019

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

Initiative for Autonomous Process Initiatives for applying patents by students and faculty group Participation in Smart India Hackathan Internal Ideathon contest jointly by IIC Health Awareness camp for students and faculty

No Files Uploaded !!!

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
Periodic Academic Audit by IQAC Team	Improved Teaching Learning Process
Modification in Mentoring system Timings	Mentor-Mentee Relationship significa improved
Changes in Internal Test Duration	More working days are available for activities
Evening Coaching classes between 3.45-5.00pm	Learning method improved
Recommendation to conduct webinars in all departments	Exposure to Advanced Technology

No Files Uploaded !!!

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing council	10-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	15-Feb-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	CAMU, the Campus Management Solution for educational organizatio enhance the delivery of education. It is a SaaS based solution f Education with focus on Achieving Academic Excellence for the mo educational institution. CAMU learning administration solution h educational institutes achieve their best. CAMU is on its path t become the world's leading campus management solution. Camu offe services to run educational organization like Admissions, Academ Planning, Attendance, Teaching Plans, Examination Results, Staff Record, Student Record, Health Record, Student Activities and mo Camu is offered both as a mobile app running on phones and table also as a web application that can be used on desktop computers. enables seamless collaboration between the staff, parents and students. It offers a mobile app for parents to keep them update the education of their wards. The modules and functions are as follows: 1. Admissions: The functionalities are Schedule and iss applications, online applications and collection of application Record applications, student admission, student record maintenan Transfers/Termination, Automatically updated academic records. 2 Student Record: Student record maintenance, Transfer/Termination Automatically updated academic records, 3. Attendance: Record st attendance, Reports for Attendance summary and attendance regist View student attendance in the student portal. 4. Communication: to Staff communication on tablets using SMS and Android App mess Mass communication through SMS, Mass communication through Andro App, Mass communication through e mail, mass communication from android app on mobile services 5. Teaching Plans: Creation and Maintenance of Teaching plans, auto generation of teaching plans teaching plans and progress tracking of teaching plans. 6. Asses /Question Bank: Upload and create Question Banks, Linked Questio Blooms Taxonomy and course Outcomes, Generate Question papers, O Tests for Students in the portal. 7. Feedback: Record feedback o students, Record feedback on stuff, and control on who can view feedback.

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

Excel Engineering College is affiliated to Anna University, Chennai and all the UG, PG and PhD programs are followed with the curriculum and syllabi framed by the University. Academic Calendar Institution calendar is prepared at the beginning of each semester including working days, government and local holidays, schedule of internal assessment and university examinations, institutional events. Department calendar is prepared in aligned with the Institution calendar and it includes department activities such as guest lectures, seminars, workshops, symposiums, conferences, activities of various clubs, industrial visit/training, value added courses etc. Quality of Classroom teaching Quality of the class room teaching depends on content delivery, interaction, discussion, examples, applications and usage of modern

ICT tools. The role of the teachers is significant not only with contents but also, with inspirational engagement of the students through various instructional methods and pedagogical initiatives. Instructional methods and pedagogical initiatives Institution practices outcome-based education (OBE) while planning and delivering the content. The faculty members prepare the course plan based on the academic calendar. Teaching and Learning methodologies include traditional (Chalk and talk) as well as technology enabled methods. Various Innovative Teaching & Learning methodologies are adopted by the faculty members to create the best learning environment for students. Video lecturing is provided by faculty members to explain the real world problem with industrial illustrations, design issues etc. Faculty members prepare the e-materials for the benefits of students by posting in DSPACE and online forums. Faculty members demonstrate static and working models, simulations, animations and implemented projects in the department. Invited expert lectures (industrialists/academicians) are arranged to deliver the content beyond syllabus for knowledge enhancement. Value added courses have been organized for bridging the gap between Industry and Academia. Tutorials/ E-learning classes are practiced for participative learning with peer group concept. Assignments are given to improve the knowledge beyond the syllabus. ICTACT collaborative learning methods are encouraged to both students and faculty members to enrich knowledge and certification in the cutting-edge technologies. Laboratory practices are mandatory to have hands-on experience. Motivating students for doing research work and present papers in seminars/conferences/journals. Well stocked library with reference books and magazine for the knowledge enhancement. Monitoring system for curricular delivery HODs, Academic and Teaching coordinators are regularly monitoring the delivery of curriculum. Formal and informal feedbacks have been taken from the students in a regular interval to monitor course delivery, syllabus completion and other academic activities. Entrusting the teaching faculty with the task of mentoring 15-20 students on academic and personal issues. Class committee meeting is arranged where students' representatives can express their difficulties in the academic and administrative issues. Effectiveness of the curriculum delivery in theory and laboratory class, adherence of the course plan, examination and evaluation process to achieve OBE is regularly monitored by IQAC by planning periodic audits with team of members.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Biomedical signal Processing using Mat Lab	Nil	16/12/2019	30	Employability	Yes
REVIT	Nil	23/02/2019	8	Employability	Yes
STADD PRO	Nil	10/02/2019	9	Employability	Yes
Website Development	Nil	25/08/2019	5	Employability	Yes
Sales Force ADX201	Nil	03/09/2019	6	Entrepreneurship	Yes
Embedded System Design	Nil	02/08/2019	50	Employability	Yes
VLSI Design Techniques	Nil	18/12/2019	50	Employability	Yes
Problem Solving using Programing – Python	Nil	16/09/2019	5	Employability	Yes
Web Development	Nil	04/02/2020	3	Employability	Yes
Aircraft Rules and Regulations	Nil	23/01/2020	15	Employability	Yes
Air traffic	Nil	01/08/2019	15	Employability	Yes

Control					
Finite Element Analysis	Nil	05/08/2019	5	Employability	Yes
Advanced Sheet Metal Design	Nil	05/08/2019	5	Employability	Yes
ANSYS 19.1	Nil	21/01/2020	5	Employability	Yes
Automotive Design Using Soild Works	Nil	21/01/2020	5	Employability	Yes
Business English	Nil	16/10/2019	5	Employability	Yes
Nano Technology in Engineering Field	Nil	06/11/2019	5	Employability	Yes

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
Number of Students	552	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		

View File

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		

View File

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

IQAC has implemented a structured feedback mechanism for analyzing the effectiveness of the teaching learning process through 1. Class committee meeting 2.End semester feedback 3.Informal feedback from the students. The feedback mechanism helps in the overall development of the quality of teaching learning process, infrastructure development. Class Committee Meeting The feedback received on academic grievances related to coverage of syllabus, understanding level, grievances on the examinations, study materials, need of special or revision classes from the students are analyzed. The feedback also received on non-academic grievances such as infrastructure, transportation, hostel, food, activities. In few cases, solutions are provided directly by the chairperson, whereas in other cases, problems are reported to the HoD for further action. The non-academic complaints are forwarded to the appropriate authorities by HoD for solutions and respective coordinators follow-up. Academic grievances are handled by the subject teacher and HOD. The action taken to redress the suggestions expressed in the meeting is recorded in the minutes of meeting. This kind of practice helps to improve the teachinglearning process. End Semester feedback The IQAC recommends end semester feedback including the course outcome as the major point in it. The IQAC has recommends a set of questions to be answered by the students using online Google form. Though hardcopy of feedback was practiced earlier, the IQAC recommends the paperless official work using digital concept. The analysis report is taken by the HOD and the faculty member may be called for the personal counseling so as to improve teaching methods. Students' feedback on teaching-learning process is given due weightage in the self-appraisal form of the faculty members. The feedback on teaching-learning process in terms of syllabus is recommended to University for syllabus revision. Informal Feedback on Teaching-Learning Process An informal feedback on teaching-learning process is collected by the course teachers, Faculty advisor, HOD and IQAC (during academic audit). This helps the teacher to involve the students through various teaching pedagogies.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
No Data Entered/Not Applicable !!!				

View File

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2106	97	218	18	236

2.3 - Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
236	236	9	27	11	6

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)

Mentoring is the process of supporting relationship for students from teachers. It is usually in person, face-to-face between the teacher and the students for the transformation of knowledge, social, psychosocial support and comprehensive development of students. Reason for Mentoring Diversified students with different society stratum unable to cope up with common culture Medium of instruction in the earlier study induces inferiority complex Home-sickness and unable to cope up with hostel and college culture Fear of complexity on higher education Details of the Mentoring system The Institution allocates 2periods per week explicitly as mentoring hour in the time-table. During this mentor hour, mentor convene mentor-mentee meeting and discuss about the attendance, academic performance, participation in activities of the mentee students. Motivation and counselling will be done for those performance is week in all aspects. Others are encouraged and guided to do the particular task. Apart from this, students can meet the mentor any time. The Mentors are allocated with 15-20 students during the first semester and continued till the completion of the program. Mentors encourage the students to participate in academic, research, co-curricular, extracurricular and social activities. They analyze the SWOC of students for corrective action. Parents are called and students are counseled in their presence. Mentors recommend online courses to their mentees. Mentors take special interest to help the students at individual level for their holistic development, grow in communication skills, personality development, leadership skills, soft skills, interpersonal skills etc. Mentors are maintaining mentee information booklet whereas all the details about their mentees are updated then and there.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2203	236	1:9

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
196	236	Nill	50	28

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
2019	Dr.S. Poornachandra	Principal	IETE
2019	Dr.V.K.Shunmughanaathan	Director	Life time Achievement Award, received from ISTE

View File

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
No Data Entered/Not Applicable !!!				

View File

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

The Institution has made the following reforms in Continuous Internal Evaluation to make the assessment system more transparent: The institution follows the evaluation procedure prescribed by the affiliating University. The evaluation weightage is 20 for Internal Assessment Examinations and 80 for the End-Semester Examinations both theory and practical subjects. The academic calendar is prepared at the beginning of each academic semester where internal

assessment, practical and theory examination are scheduled. The question paper pattern for internal assessment examination (IAE) is similar to the University question paper. This will ease the students while taking university exam. Questions are prepared aligned with Course Outcomes (COs) and knowledge levels of Blooms Taxonomy. Two sets of question papers are prepared by the faculty members and expected to submit at least one week before the commencement of the exam. Each department has scrutiny committee which thoroughly checks the two sets of question papers and approves. Among the two-question paper, one will be selected by the committee. Scrutiny committee also ensure the usage of appropriate blooms taxonomy and contents to ensure that none of the questions are asked beyond the syllabus defined for each internal exam The syllabus for the each internal exam recommended as follows IAE-1 covers 100 of Unit-1 and 50 if Unit-2, IAE-2 covers remaining 50 of Unit-2 100 of Unit-3 and IAE-3 covers Unit-4 5 and latest recommendation is as follow IAE-1 covers Unit-1, IAE-2 covers Unit-2 3 and IAE-3 covers Unit-4 5. A squad constituted by exam cell monitors the conduct of internal assessment examinations. Malpractice during the exam will be referred to the disciplinary committee. At the end of the exams, such students are called along with the parents and conduct the enquiry. Retest is conducted if the students fail to attend the internal assessment examinations for valid reasons and improvement test is conducted for those who aspire for upgrading their performance. The second set of question paper will be used for conducting the improvement test. Answer papers are discussed in the presence of students and students have been informed the mistakes committed in the answer paper and any mistakes in the marks will be suitably addressed. Each department will conduct the analysis meeting where result will be analyzed at micro level. The following points are discussed in the result analysis meeting. • Comparison with previous year result • Subject wise analysis • Faculty wise analysis • Girls and boys • Day scholars and Hostellers • Scholarship and non scholarship students • Analysis of students coming from Tamil medium and English medium • Students ranking Based on the analysis, HODs and senior members of the department will finalize the suitable recommendations so as to improve the student's performance in the forthcoming internal exams.

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

The academic calendar of the Institution is prepared by the Principal in consultation with IQAC and HODs before commencement of every semester in line with the academic schedule of the Anna university. The academic calendar includes Holidays, Schedule for internal exams, Last working day, Date of Commencement of Theory practical University examination, Institutional level functions viz college day, sports day etc. Based on the Institution academic calendar, department academic calendar is prepared by the HOD in consultation with faculty members. The academic coordinator in association with IQAC helps in preparing the academic calendar. The department academic calendar consists of Schedule of internal exams, Seminars/ workshops, Value added courses, Conferences, schedule for Revision. Based on the academic calendar each faculty member prepares teaching plan for theory and lab subjects. Subject allocation for faculty members is done well in advance so that they could prepare their teaching materials. The teaching plan includes: • Preparation of study material including question bank • Syllabus and course plan • Teaching pedagogy for each topic • Assignments • Plan for Slow learner classes • Plan of Continuous Internal Exam Each continuous internal exam is well planned as scheduled in academic calendar by the exam cell coordinator of the department as well as institution Exam cell in charge. Three internal exams are conducted per semester. Syllabus for each internal exam is clearly defined at the beginning of the semester. The answer scripts are given to students after correction and any changes, clarifications will be addressed. After completion of internal exams, on the 3rd working day result analysis will be submitted by the exam coordinator. The internal marks are entered in the Anna University web portal as declared by the university. Internal marks are displayed in the notice board for the benefit of students. The university practical exams are conducted as per schedule given by university for maximum

6 days mentioned in the academic calendar. Only on unavoidable circumstances, the internal exams will be postponed. All the activities will happen as scheduled in the academic calendar.

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)

http://web.excelinstitutions.com/excel_engg/aeronautical_engineering/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					

View File

2.7 – Student Satisfaction Survey

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

http://web.excelinstitutions.com/excel_engg/wp-content/uploads/2021/07/EEC-Student-Satisfaction-Survey-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
Any Other (Specify)	60	IMCY	0.8	0.8
Any Other (Specify)	60	EAP	0.22	0.22
Any Other (Specify)	60	TNSCST	0.2	0.2
Any Other (Specify)	180	DST NIMAT EDII	0.4	0.4
Any Other (Specify)	365	CSIR	0.2	0.2
Any Other (Specify)	365	ICSSR	1.5	1.5
Any Other (Specify)	180	AICTE ATAL FDP	0.93	0.93
Students Research Projects (Other than compulsory by the University)	90	TTNSCST	0.3	0.3

View File

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
TNSCST Sponsored Two Days National Level Workshop on "Global Challenges In Sustainability of Machining Process"	Aeronautical Engineering	18/09/2019
Seminar on "Technological Aspects In Indian Aircrafts"	Aeronautical Engineering	26/07/2019
Industry Explorer'19 – 5th Edition	Aeronautical Engineering	21/09/2019

Hackathon	Civil	21/10/2019
Workshop on IOT with Rasperry Pi	Information Technology	21/09/2019
Workshop on Responsive Web Development	Information Technology	21/09/2019
Workshop On IOT with Machine Learning (CSE)	Information Technology	28/01/2020
Industry Ready Engineering	Electronics and Communication Engineering	31/07/2019
Smart Mobile Phone Servicing and Training	Electronics and Communication Engineering	20/08/2019
Network Devices Security Perspectives	Electronics and Communication Engineering	29/04/2020
AI for Better Future	Electronics and Communication Engineering	30/04/2020
Trend in IoT and its Applications	Electronics and Communication Engineering	01/05/2020
Electronic Circuits Simulation using TinkerCAD	Electronics and Communication Engineering	02/05/2020
Industry Explorer	Mechanical Engineering	21/09/2019

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
Simulation of non Linear Missile Guidance System	Sudharsan.P.P	SRET	01/04/2020	Best out going student of the Department
Design and Analysis of Aero Elastic Morping Wing	Anmol Krishna Mohan Chaudhary	SRET	01/04/2020	Best out going student of the College
Localization Algorithm for 5 G Ultra Dense Networks (UDN)	Dr. K.Geetha	Nill	27/03/2020	Patent
Watershed management of Ambasamuthram town to prevent flood	Ms D.Mythili	National Science Technology Fair 2019	31/08/2019	Appreciation
Innovation of ferro reinforced plastic.	Ms D.Mythili	National Science Technology Fair 2019	31/08/2019	Appreciation

[View File](#)

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
		26

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

Name of the Department	Number of PhD's Awarded
Computer Science and Engineering	1
Electronics and Communication Engineering	1
Mechanical Engineering	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	Civil	6	4.3
International	Computer Science and Engineering	15	Nill
International	Electronics and Communication Engineering	9	Nill
International	Information Technology	2	0.18
International	Aeronautical Engineering	25	Nill
International	Mechanical Engineering	8	13.7

No file uploaded.

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
Aeronautical Engineering	2
Mechanical Engineering	1
Computer Science and Engineering	15

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
No Data Entered/Not Applicable !!!						

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
No Data Entered/Not Applicable !!!						

View File

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

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				

View File

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
No Data Entered/Not Applicable !!!			

View File

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

View File

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
No Data Entered/Not Applicable !!!			

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
No Data Entered/Not Applicable !!!					

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
No Data Entered/Not Applicable !!!			

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
93.15	91.29

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

View File 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 patially)	Version	Year of automation
Auto lib	Fully	5.1	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	23666	6213874	226	126789	23892	6340663
Reference Books	9125	2503755	57	31977	9182	2535732
Journals	240	418820	12	14400	252	433220

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
No Data Entered/Not Applicable !!!			

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	617	12	0	1	1	1	10	100	0
Added	0	0	0	0	0	0	0	0	0
Total	617	12	0	1	1	1	10	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
E- Content Facilities	http://web.excelinstitutions.com/excel_engg/wp-content/uploads/2021/07/e-Content-Facility.pdf

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
26.75	26.48	321.19	317.98

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)

Our institution has well established maintenance systems for maintaining Physical, academic and support facilities. Physical facilities Maintenance. An exclusive housekeeping department takes care of the complete campus maintenance. The Class Rooms, Tutorial Rooms, Smart Class Rooms, Laboratories, Seminar Halls and Rest Rooms are cleaned on daily basis. This ensures the proper cleanliness of the campus. During the class committee meetings, students' feedbacks are taken on infrastructure maintenance complaints and suitable remedial actions are done. IQAC Infrastructure Coordinator ensures quality of maintenance of physical facilities. Academic facilities Maintenance All the equipments, instruments, machineries are properly used and maintained as recommended by the manufacturer to minimize the wear and tear. Our Institution has a list of genuine vendors for maintaining and up keeping the infrastructure. The stock verification is being carried out every semester and maintenance requisitions are invited from lab in-charges through proper channel. (a) Support facilities Maintenance The Estate Office appoints external agencies for the maintenance of lifts, fire extinguishers, fire systems and generator. To maintain the internet connectivity and CCTV security system, system administration team is appointed. 24/7 maintenance system provided for effective maintenance of all works in the campus. Institution has an exclusive maintenance mechanism where students and faculty member can lodge their complaint on electrical and plumbing faults. The maintenance team will rectify the problems immediately on 24/7 basis. There is staff to look after the maintenance and repair work of furniture and fixtures and other physical infrastructure. Following work is being carried out by Computer and System Maintenance department ERP Software support and maintenance Uploading of data on college website Renewal of software agreement such as Microsoft campus agreement etc. Online University examination Installation and upgradation of software Hardware maintenance of computer Keeping the records of all computers and peripherals including printers Lease line and BSNL line for Internet: Maintenance Service Maintenance of all UPS Maintenance and service of CCTV cameras and backup of video recorded. Campus wide networking.

http://web.excelinstitutions.com/excel_engg/wp-content/uploads/2021/04/file2.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	Nill	Nill	Nill
Financial Support from Other Sources			
a) National	Nill	Nill	Nill

b)International	Nill	Nill	Nill

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 implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			

View File

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Excel Placement Training	Nill	915	Nill	334
2019	GATE Coaching	42	Nill	Nill	Nill
2019	Industry Explorer	Nill	350	Nill	Nill
2019	TANCET	45	Nill	1	Nill

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
13	13	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					

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	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					

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

Civil Services	1
Any Other	1

View File

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		

View File

5.3 – Student Participation and Activities

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

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

View File

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

Students' participation in Academic Committees Class Committee: A class committee consists of a chairperson, class advisor, subject teachers, and the students' representatives. Class committee meeting is held thrice in a semester. Student members are nominated based on the learning abilities like advanced slow learners, gender, other state/country, hosteller, day scholar, scholarship holders etc. During Class committee, meeting students express their feedback regarding academic and administrative matters. Internal Quality Assurance Cell (IQAC): Institutional IQAC has student's members to provide suggestions to the academic and administrative improvements. Library Committee: Library committee comprises of Principal, librarian, faculty and students as representatives. Meeting is convened once in a month where students give suggestions for the requirement and effective utilization. Students' participation in Administrative Committees Students associations: Students association is formed in departments under the guidance of the HOD as the President. Office bearers meet once in a month to plan and carry out the activities. They conduct symposium, seminar, workshops and conferences every year. Hostel Committee: Hostel committee comprises of chief warden, warden and student representatives. Meeting is held once in a week. Committee decides the menu for the mess. Students can express their suggestions/ideas during the meeting. Sub committees include • Mess committee • Disciplinary committee • Infrastructure/Recreation/sports committee • Health and Sanitation Committee • Antiragging Committee Grievance and Redressal committee: Institution has well structured Grievance and Redressal committee. Students can express the general issues related to academic and non-academic in the meeting. The chairman and other members of the committee analyse the problems and redress appropriately. Anti-Ragging Committee: The College has formed an Anti-Ragging committee with the Principal as the Convener. This committee effectively controls ragging, which is a violation of fundamental human rights and values. At the beginning of every year, this committee forms an Anti-Ragging Squad to control ragging. The student representatives are educated by the faculty regarding anti ragging measures and impact in turn they will educate peers. Women's Empowerment cell: It understands the issues related to women, makes the college campus a safe place for women staff and students, besides empowering them to take decisions on the issues within the College Campus including Hostel. The student representatives are made aware to prevent sexual harassment and promote gender equity among the students, teaching and non-teaching staff. Sports Committee: The student representatives along with the physical directors and faculty

members motivate the students to participate in indoor and outdoor games. The purpose of the committee is to identify the talented students in the campus and coach them in their field of interest. Cultural Committee: The cultural committee consists of faculty advisor as head and students as members. The purpose of the committee is to identify the talented students in the campus and train them suitably. This committee meets once in a month to discuss and provide various opportunities in cultural activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

3825

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni network has a real life benefit for current students. Alumni also donate their valuable time to offer career support to current students. To enhance the students' experience and give them that competitive edge in today's tough job market. To make use of this alumni network, MEGA Alumni Meet 2020 was organized on 08.03.2020. Around 585 alumni participated in the event and it was very grand success. Everyone shared their industrial and professional experience with their junior students. Many of them gave input for junior students towards their placement preparation, higher studies preparation and recent technologies used in the industry. This was very helpful and motivation for the students. Regular Alumni guest lecture were organized in each department on recent technologies for the benefit of students.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institute practices decentralization and participative management concepts at various levels. Institution have a strong belief in delegating powers at different levels for the successful performance. It has different governing bodies at different levels for decentralization Practices. They are governing council body, program advisory committee, Department Academic Advisory committee (DAAC), Internal quality assurance cell (IQAC). Under IQAC, different coordinators at professor level are assigned to monitor academic, teaching, Research activities, Industry Institute Interaction, Infrastructure, etc., Faculty and staff are assigned with the roles and responsibility to work in a harmonious environment with complete transparency. IQAC has a well-developed process to ensure quality benchmarks of academic and administrative activities. Administrative Level Principal delegates the autonomy to the Head of the Departments and Department Examination coordinator to conduct the Internal Assessment Examination/ Evaluation at the department level effectively and efficiently. IQAC prepares the academic calendar at the institution level on considering the uploading dates of internal marks in the university web portal. The department exam coordinators prepare the schedule for the Internal Assessment Examinations and it is reflected in the department academic calendar. The hall superintendents are allocated for invigilation by the coordinator. The squad for monitoring the fair conduct of the internal examination is deputed by the IQAC. Decentralization of Internal Assessment Examination/ Evaluation System The Exam cell of the institution is decentralized into department level to conduct the Internal Assessment Examination/ Evaluation in a

transparent manner. Three Internal Assessment Examinations are conducted in each semester as per University regulation and achieved the expected Course Outcome (CO) in each course. The various levels of team participate in the Internal Assessment Examination/ Evaluation System as appended below. Teaching fraternity Level Head of the department forms the scrutiny committee for preparing question papers and evaluating answer scripts based on the specialization and seniority. Teaching fraternity is given an opportunity for setting two set of question papers in their respective subjects adhering to Blooms Taxonomy. The quality of the question papers is scrutinized for syllabus coverage, pattern, course outcomes and knowledge Levels with the quality index. Subject teacher prepares question bank covering the content of the syllabus. Senior faculty members are given responsibility to act as the member of the squad to curb the malpractice during Internal Assessment Examination. Subject teachers evaluate the answer scripts as per the scheme recommended by IQAC. Maximum of three working days are given for the evaluation of answer scripts and verified by the scrutinizing committee. Subject teacher uploads the internal marks in the Anna university web portal. Student Level Students are given an opportunity to express their grievances related to the Internal Assessment Examination in the class committee meeting. Students can convey their grievances through mail using suggestions@excelcolleges.com Outcome Each department takes responsibility for the effective conduction of Internal Assessment Examination due to decentralization. Faculty and students level grievances are addressed immediately at the 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
Admission of Students	Admissions are as per the government Norms, 65 of the seats filled through government quota 35 by the management. In addition -5 of seats are allotted for Jammu Kashmir students and 15 of seats are allotted for foreign national students.
Industry Interaction / Collaboration	The Industry-Institute Partnership Cell is well-established for promoting and nurturing the industry linkages. It provides exposure to the students to supplement their learning process and the faculty to improve their teaching skills. Industry explorer is a unique program organized every year to bridge the gap between the industry and academia for the technology transfer. It facilitates value added courses, industrial visits, in-plant training, industrial projects and internships for students, short term training to the faculty members in cutting edge technologies. Research and Development activities in collaboration with industries are encouraged. Offering technical consultancy to the specific needs of the industries such as conducting Energy and Power Quality Audits, design, material testing etc. To equip the students to meet the industrial needs, through the Industry- Institute partnership cells the college adapts the following activities: Industrial visits are arranged for students regularly • Need based Guest lectures by Industrial Experts are arranged now and then. • Students are insisted to approach the companies for getting internships under the guidance of Training and Placement cell • Facilitates the experts from industry to interact the students.
Human Resource Management	This is achieved through providing a better teaching learning environment in the institution, well defined recruitment policy based on the merit of applicant within the general

	frame work of the Government norms Holding staff development programme for all faculty members, Encouraging the faculty members to attend leadership training programmes. Providing on duty to the faculty for attending seminars, symposia, workshops, conferences invited lectures and research activities
Library, ICT and Physical Infrastructure / Instrumentation	The state-of-art infrastructure facilities is the significant concern of the institution. Institution has spent an average of 13.56 lakh on infrastructure and resources. Institution has 41 classrooms/ smart classes/ seminar halls with ICT facilities. Management spends average of 112.69 lakh on infrastructure augmentation. The college has provided with more than 617 computers with LAN and UPS facilities and 20 air-conditioned laboratories. The computer centers are equipped with high-end computers, accessories such as Laser, Inkjet and Dot matrix printers, scanners, LCD and OHP projectors. The college has in-house Computer Maintenance Cell (CMC). Adequate financial allocations are made for internal maintenance work of all infrastructures. As an average of, approximately 210.96 Lakhs is spent for maintenance of college Infrastructure. The campus is fully enabled with Wi-Fi in the speed of 30 Mbps. The college has licensed and open source software in various departments. Computer and student ratio 1:5.2. In every department, ICT enabled classrooms are available with internet connectivity for supporting the teaching-learning process. The college has 39 LCD Projectors and 2 OHP to enhance the teaching and learning. CCTV cameras are installed in the college premises to monitor the campus activity and maintain security. Six smart classrooms with interactive boards are available interactive teaching-learning process. The central library is automated with DelNet (a ILMS). The library is enriched with rare books, project reports, reference/ text books, e- resources, e-journal, Wi-Fi and CCTV for security. Library could accommodate 300 students. 23.57 of teachers and students are using library on daily basis. The library has 26 computers with internet facilities and 2 printers. The college main library has 41046 books and 1058 journals. Separate gyms for boys and girls are provided in the hostels. Institution has basket ball court, kho-kho, shuttle court, cricket pitch, kabbaddi court etc. Institution has in-house sport facilities like carrum, chess, table tennis etc. are available.
Research and Development	Institution has a dedicated team of researchers headed by a Director (RD). A senior faculty member in each department has been nominated as research coordinator. Research meetings are regularly convened to discuss research activities and applying for funding proposals. Faculty members and undergraduate/postgraduate students are provided with adequate resources to pursue research in their respective field of interest. Students are encouraged to take up research project under the supervision of the faculty members. The Institution has 31 Ph.Ds holders, 38 pursuing Ph.D. and remaining faculty members are working collaboratively. The faculty members pursuing research are encouraged by providing them the required equipments, books, on duty facilities, financial assistance for conferences/journals, e -resources, computer facilities, Wi-Fi etc. The college provides incentives to the faculty for their research contribution. The departments of CSE, ECE and Mechanical Engineering are recognized as "Research Centers" by the Anna University. RD cell motivates the faculty members to write research publications, to apply

	for grants from funding agencies like AICTE, DRDO, TNSCT and NP CIL and to publish patents.
Examination and Evaluation	Our institution follows the norms of Anna university for conduction and evaluation of examination. Internal examination is conducted for 20 of the total marks and remaining 80 is from the end semester University examination. 3 internal assessment examinations are conducted per semester. The syllabus for 1st internal assessment examination is UNIT 1. Second internal assessment examination is UNIT 23 and 3rd internal examination is UNIT 45. The internal assessment papers are evaluated by corresponding faculty members as per key and answer sheets are distributed to the students after discussing the answers for question papers. Hence, the students are clarified with the evaluation method. Improvement tests are conducted if students are absent or failed due to valid reasons. Both IAE marks and attendance are uploaded in the Anna University web portal as scheduled by the University.Central valuation is conducted by the Anna University for the evaluation of answer script as per the direction of zonal coordinator (appointed by Anna University)
Teaching and Learning	The faculty members are assigned courses based on their competency, subject expertise and experience. Each faculty member prepares the structured lesson plan, detailed course materials, question bank for theory subjects and lab manual for practical subjects as per guidelines given by IQAC. Faculty members incorporate the teaching pedagogy considering experiential learning, participative learning and problem solving methods in content delivery during their preparation. All the faculty members use ICT for effective teaching-learning process. Each faculty member is assigned with 15-20 students for mentoring. Class Committee meetings are conducted thrice during the semester. Based on the feedback, appropriate remedial measures are put into practice to improve the performance of the students. The major decisions/ improvements done based on the feedback received are communicated to the students. Based on the results from the internal examinations some remedial measures like conduction of coaching classes, additional class tests, guiding advanced learners to obtain university ranks, encouraging students to participate in extracurricular and co curricular activities.
Curriculum Development	The Institute follows the curriculum prescribed by the Anna University. The curriculum is well translated to the students after thorough preparation as well as critical thought by the teachers concerned. Choice Based Credit System introduced in 9 UG programs and 6 PG programs from the academic year 2018-19. The institution encourages the faculty to keep themselves update their knowledge by offering refresher courses, faculty development programmes and workshops. The IQAC academic coordinator monitors and assists the faculty members for effective curriculum delivery. Department invites suggestion and feedback from students, teachers, employers, Alumni and parents regarding the curriculum. The institution ensures its availability in the website

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

E-governace area	Details
Planning and Development	Semester Configuration Staff Planning Academic Plan Timetables Teaching Content Teaching plans Combined class Set electives Set advisor Copy timetable Students progression Student data upload Student leave approval
Administration	Student attendance for every hour Student activity detail

	Attendance-day wise, student wise, subject wise, unrecorded attendance Feed back-subject wise
Finance and Accounts	Fee payment: tuition fee, hostel fee, stores fee, bus fee Fee paid statement
Student Admission and Support	Application Schedule Course Program Year of admission Upload application Used to find out application from data base (Name,Application No)
Examination	Internal Exam Schedule Internal Question auto generation Result Analysis – student wise, staff wise, subject wise, year wise ,department wise, college wise ,Students internal examination attendance- subject wise, class wise, department wise Comparative analysis

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				

View File

6.3.2 – Number of professional development / administrative training programmes organized by the 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)
No Data Entered/Not Applicable !!!						

View File

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				

View File

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	76	Nill	7

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
The college offers 50 of the registration fee with OD for faculty who are presenting the papers in national International seminars. Group Insurance schemes, Free medical consultation by the resident doctor First aid and 24x7 ambulance service. Transport facility, vacation, maternity	Group Insurance schemes, Free medical consultation by the resident doctor First aid and 24x7 ambulance service. Transport facility, vacation, maternity leave and PF facilities. Gift during	Group Insurance schemes, Hospital and Ambulance and transport facilities. SRET scholarship for meritorious students, Fees concession for

leave and PF facilities. Gift during Diwali festival Partly sponsored by college for the tour funded by staff club 5 days leave for marriage. Fees concession to the wards	Diwali festival Partly sponsored by college for the tour funded by staff club 5 days leave for marriage. Fees concession to the wards	the students having good academic background. Free medical consultation by the resident doctor

6.4 – Financial Management and Resource Mobilization

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

A financial audit is an independent, objective evaluation of the Institution's financial reports and financial reporting processes. The primary purpose for financial audits is to give Management, Principal and HODs reasonable assurance that financial statements are accurate and complete. Internal financial auditors are Institution employees while the external auditors work from an outside audit firm. Internal Audits All the internal transactions are audited by the audit team at institutional level. The institution conducts internal finance audit regularly: payments, receipts and accounting on daily dealings carried out by the Senior Accountant. The work carried out by the accountant are as follows: • Monthly salary for all the employees of the Institution •Grocery for Hostel mess • Audit on income and expenditure towards the events such as seminars, workshops, conferences, • Expenditure towards value added courses, sports and games etc. • Remuneration and gifts to invited speakers, experts, juries of the events etc. • Purchase of instruments/ equipments, computers, stationeries, books etc. • Maintenance of accounts towards construction, computer, lab equipments, landscape, hostel • mess, transportation etc. External Audits At the end of Financial Year annual accounts statement viz., Balance sheet, receipt payment and income expenditures are forwarded to the External Auditor for final auditing. The audit of accounts and submission of income tax return are being carried out every year. It comprises of • Salary audits • Budget audit • Fees received audits •Maintenance audit • Expenditure audit • Cost audit

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
SRET scholarship	16336900	Students Tuition Fee

No file uploaded.

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	Yes	IQAC
Administrative	No	Nill	Yes	IQAC

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

• Parents are very important stake holders in all the college academic and • Administrative activities such as DAAC, PAC. • All parents are requested to visit college campus semester once to know about their ward performance or to • attend appreciation meeting • All the parents are invited for annual day

function, sports meet and graduation day • All Faculty members contact their mentee parents regularly to inform their ward absenteeism, class test Performance and disciplinary activities. • Parents are actively participating in the parent feedback activities.

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

1 Skill Development program for Non-Teaching staff (FDP) 2 TNSCST Sponsored Two Days National Level Workshop on "Global Challenges In Sustainability of Machining Process" 3 Seminar on "Technological Aspects In Indian Aircrafts" 4 A National Level Workshop on "Drone Design Fabrication and Testing" 5 5 days FDP on Innovative teaching Methods 6 Basic MS office Training 7 Computer OS Installation training 8 FDP on "Introduction to Cloud Computing" 9 Cloud infrastructures and services 10 Workshop on Python Angular JS framework 11 Hands on training for PCB Soldering practice 12 Workshop on instrumentation application and maintenance of instruments 13 Personality Development programme 14 Soft Skills Development programme 15 CSIR sponsored Two days Workshop on "Big Data Era of Big Spatial Data" 16 ICSSR sponsored Two Days National Seminar on "Multilingualism and Need of Language Diversity in the Rural Education" 17 Training on Basics of Computer 18 Training programme on Enterprise Resource Planning

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

• Introduced TWO UG program such as B.E. SAFETY FIRE ENGINEERING and B.Tech Artificial Intelligence • Online Lecture Materials for students Access • Admission of International Students • Internships and Industrial training for Faculty members • More project proposal sent by students and faculty members • More number of programs participation such as FDP, Seminar, Webinar by students and faculty members • More number of journal publications by faculty members • Effective Mentor Hour Introduced from I to IV year Classes • Students participated in Hack ton • Improvement in the quality of research paper published in standard Journals (national and international) • •

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
No Data Entered/Not Applicable !!!					

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
Fit India movement	29/08/2019	29/08/2019	240	60
Cauvery calling	04/09/2019	04/09/2019	40	200
Awareness programme on women's safety and respect	23/10/2019	23/10/2019	55	75
Guest lecture on " Women related Laws"	25/06/2019	25/06/2019	200	Nill

Yoga and Mediation	28/07/2019	28/07/2019	55	75
Career Challenges of Civil Engineer	02/05/2020	02/05/2020	55	35
My Journey " College to corporate to Entrepreneurship" -	27/04/2020	27/04/2020	84	45
Guest lecture on " Women related Laws"	25/06/2019	25/06/2019	200	Nill
Sapling Plantation Programme	14/08/2019	14/08/2019	25	25
Nutrition for Women	07/01/2020	07/01/2020	60	12
Guest lecture on " Gender sensitization "	19/08/2019	19/08/2019	100	150
Self defense workshop for girls with TN police	21/01/2020	21/01/2020	550	Nill
Women's day	10/03/2020	10/03/2020	500	Nill
Cook Without Fire	03/03/2020	03/03/2020	24	14
One Student One Tree-Tree Plantation	15/08/2019	15/08/2019	8	12
Awareness Program on Women Safety and Respect	23/08/2019	23/08/2019	62	48
Hebatities-B virus Awareness Program	31/07/2019	31/07/2019	74	176
Corona Virus Awareness Program	08/02/2020	08/02/2020	52	348
National Science Day	28/02/2020	28/02/2020	64	236
Legal Awareness Programme	14/03/2020	14/03/2020	200	50

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
Percentage of power requirement of the University met by the renewable energy sources Alternate Energy source : Solar energy capacity 154.35 KW (Main blockA1 Block) Total power requirement – 350 MWH /Year Solar power plant generation – 125 MWH /Year Percentage of Renewable energy 35.71

7.1.3 – Differently abled (Divyangjan) friendliness

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

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
No Data Entered/Not Applicable !!!							

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)
Students Hand book	01/06/2019	Code of conduct in the academic calendar was specified

| Employee Handbook | 01/06/2019 | Code of Institution continuously monitors the activities of the employees towards the code of conduct and ethics in the working place Institution has specified clearly the code of conduct for students, faculty members, administrators outlining the social norms, religious rules and responsibilities and proper practices of an individual Institution organizes several activities related to professional ethics, self development for students and faculty members |

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			

[View File](#)

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

 Bio mass plant-Recycling of waste water for tree plantation Rain Water Harvesting Green club E-waste materials management Eco Club to create environmental awareness and other activities to motivate the energy conservation aspects like use of Renewable Energy Installation of Solar power plant as a renewable energy inside the campus Sewage water treatment plant Tree Plantation through Rotaract club in the premises of the institution Pedestrian friendly roads Plastic free campus Green landscaping with trees and plants ERP Software CAMU (Admission, Students Attendance, Fee management, Lesson Plan,feedback) E-Communications Use of Energy saving electrical sockets in the department. Maximizing Natural Light

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE – 1 : Industry-Institute Relation towards Skill Development Objectives To impart the Engineering skill from the industries To bridge the gap between the industry and academia To make the students job ready by the end of the program To groom the students to become Entrepreneur The Context There is a need to create avenues for a close academia and industry interaction through all the phases of technology development, starting from conceptualizing to commercialization. Students need to be skilled to work on innovative ideas. The industrial linkages will help the Institution and hence the students It should continue for longer period for preparing the man power of world class in the field of technology by inculcating various skills required thereby contributing to the economic and social development To help to design and deliver training modules for students that they are made industry-ready. To help the faculty to understand expectation of industry so that they can align their teaching to the needs of the industry. To facilitate internships/in-plant training/industrial project for students to ensure that they get industry exposure during their campus days, which leads to better employability To groom them an entrepreneur by inviting achievers of the industries The various types of interactions between academic institute and industry addressed regularly. It is evident that collaboration of industry and institution in skill development leads to innovations. This practice creates healthy environment in the country by which there will be an all-round development. Institution has an explicit division for industrial linkage which houses placement division under the headship of a director. They play a pivoting role to link the industries with departments based on the requirement. The best practices of our Institute to enhance the interaction between Industries and Institute are: • Industrial visits/tours • Industrial training/internships • Industrial projects • Patenting • Industrial consultancy • Product development through collaboration participation in the industrial expo • Inviting industrialist as guest speaker/expert • Arranging the hands on training in the cutting edge •

Technology Entrepreneur development through industrial collaboration • Online courses for filling the industrial gaps • Value added courses Students are visiting the industries as a normal procedure and encouraged to undergo industrial training and internship during their winter and summary holidays. Industrial linkage division is arranging the industries to the students to undergo training. Students are encouraged to take up industrial project which help them to understand the industrial requirement. IPR cell is conducting seminars and encouraging the students/ faculty members to register for patent if their project has novelty. Few faculty members are taken the industrial relation to the next level by taking the consultancy work from the industries. Students are involved in the development which gives more hands on industrial project. Guest lectures are organized by each department to fill the gap between the academia and the technology expected from the industries. This will enable the students to study content beyond the syllabus to make them self industry-ready. Each department conduct value added course and certificate course for the benefits of students. This will help the students to update their knowledge in cutting edge technology. Online course linked with industrial need are announced by the department so that students can have the international certification. Department invites industrial expert for the expert lecture, functions and activities. Students could interact with the industrialist and discuss their doubts directly. Students could able understand the corporate ethics and expectation from them. Science Expo The college conducts Science Tech Expo every year in the month of October to kindle young minds. It explores the innovative and creative thoughts of the young minds, finding the right persons to implement the innovative project ideas. It guides the students to explore their knowledge for real time practical training by providing laboratories with advanced equipments to motivate the students to participate actively. It also provides the opportunity for students, teachers and other people to improve their understanding of science and share their research projects and investigations. Indeed, a science fair is a good form of knowledge-building and social development. Evidence of Success • On organizing the industry explorer program, students are exposed to industrial expectations to focus on the real time skill set • Performance is improved by 30 in placement • Increase in participation of students in attending internship • Industry understands the need of institution and has come forward to offer in plant training • Industrial visits/Projects with our continuous efforts • More industry participation of industries in Industry explorer program • More online course registration by faculty and students • More number of funds received from different agencies • Students are encouraged to take up industrial projects • Innovative projects and identified and applied for IPR • Enhancement of problem-solving skill to face the challenges associated with carrying out investigation • Participation in design contests by students Outcomes: • CSIR programs were arranged in the campus on technology and skill development • Two DST, EDII sponsored Entrepreneurship Awareness camps (EAC) were arranged on the motivation towards entrepreneurial thoughts • DST sponsored 3 days EAC has been arranged through CED, Madurai • Students attended program in FTI, Bangalore • Online learning and examinations were arranged through amazon web services, sales Forge, Yuvi Geek networks Pvt., Ltd., Red Hat and Oracle • Webinars through IIT Remote centre • Programs by ICT Academy Problems Encountered and resources required • Students' communication is a biggest threat due to their family background • Interface with leading industries is a mighty task • Getting Industrial training/ project in software industries is a difficult task • The institution is far away from the Industrial corridor. Best Practices -2 : Outcome Based Education (OBE) in Teaching-Learning Process Objectives ☐ To calculate the PO attainment to understand the success of teaching-learning process To increase the students involvement in the learning process ☐ To use the teaching pedagogy for effective teaching ☐ To prepare the students to meet the global demands in technological implementation and innovation through research The Context OBE is focused around the students for successful learning outcomes at the end of the program. The outcomes are the abilities to be developed and the performance of the students in terms of learning competence in using the

content, information, ideas and tools. The Practice OBE is practiced in each department to understand the attainment of each course delivery from the following. Program Educational Objectives (PEOs) PEOs are programme specific objectives and realized through various surveys after four to five years of student employment. PEO describes the career and professional accomplishments of an engineering graduate. Program Outcomes (POs) and Program Specific Outcomes (PSOs) POs and PSOs are to be aligned with PEOs and graduate attributes. PSOs are specific to each program. Both are related to Knowledge, Skill and Attitude of graduates as they progress through their graduation. Course Outcomes (COs) COs are more specific statements to a particular course in the program, which are required to be attained at the end of each course. CALCULATING CO LEVEL FOR INTERNAL AND EXTERNAL EXAMS Assessment and Evaluation Methods: There are two methods for assessment namely, direct and Indirect methods where The internal exam questions must be mapped to their CO's, this help us to list the marks obtained by students for CO. RUBRICS helps us to define the threshold through which level of attainment of a CO's are calculated. Rubrics exam used in sample calculation is Rubrics (for threshold value 50) 50 of students above 50 1 (low) 60 of the students above 50 2 (medium) 70 of the students above 50 3 (high) The Threshold value is the Minimum pass percentage for each CO in a subject. Step 1: Calculating CO level for internal and external exams The marks obtained by the students for each CO (internals and university) are listed out as shown in the below figure is based on the weightage allocated (max mark CO wise) for the CO's in the exam. Level of CO attainment is based on the percentage of students above the threshold percentage. For example: In the above table to calculate the level of CO1 for Test 1, the marks scored by 4 students are listed CO-wise and their max mark is specified. Since 50 is the pass percentage threshold and rubrics are set for 50, by calculating number of students above threshold (only 2 out of 4 which is 50) the level is defined as 1(low) as specified in the rubrics Step 2: Calculating Final CO attainment for the subject Based on the level of CO obtained for internal and external from the above method the final CO attainment is calculated.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://web.excelinstitutions.com/excel_engg/wp-content/uploads/2021/04/18-191.pdf

7.3 – Institutional Distinctiveness

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

Institutional Distinctiveness Distinctiveness - Diversity of Students Promoting diversity in the Institutions is a big challenge. We have highlighted diversity practiced in our institution and illustrate the ways to incorporate an understanding of diversity in the classroom and beyond. The Institution has admitted students from various states in India and nearby countries such as Yemen, Gana, Korea, Saudi Arabia, Srilanka, Bangadesh, Nepal, Bhutan etc. Much discussion about diversity focuses on the forms of marginalization: Race, Gender and physical orientation 1. Diversity in the classroom Having a diverse group of students simply means recognizing that all the people are unique in their own way. Their differences consist of their reading level, athletic ability, cultural background, personality, religious beliefs, etc., There has always been diversity in the classroom, but it is important to embrace it and make positive use of it. Teachers value the diversity and model this attitude to their students. Teachers recognize and respect the fact that students are different and these differences are generally good things. For example, when attempting to solve a problem, teacher assembles a diverse team with many skills and many different ways of approaching the problem than a team that has all their strength concentrated in one area. Teachers playing number of roles in the classroom yet, valuing diversity is one of the most important ones. Here is a list of environments created where each student feels valued and respected. Take the time to learn

students background, interest and learning style. Create an environment that is conducive to each individual student to learn about each other and gain an appreciation for the diversity they bring to the classroom. Teach students that everyone has strength and weakness. When working in teams, students are encouraged to take advantage of their strengths of the team members to produce the best possible results. Invite guest speaker from different places may share certain qualities with students. Implement a zero tolerance for anything that is disrespectful, hurtful, or intolerant of diversity 2. Learning Culture, Location and Ambiance The atmosphere in the classroom reflects the importance of the work undertaken by both students and faculty members. Anna University and AICTE are recommending English as the medium instruction. This avoids the language problem. A classroom with a strong culture for learning is characterized by high cognitive energy. There are high expectations from all students and the classroom is a place where the teacher and students value learning and hard work. For the weak students from other countries, the institute arranges special coaching classes to improve the performance. Separate hostels for Tamilnadu, Kerala, North India and other country students are in place. Food menus are prepared according to their willingness. Significant festivals of their states are celebrated in the campus on request. Example Kerala students celebrate Onam festival, Tamilnadu students celebrate Pongal festival and North Indian students celebrate Durga pooja as like their native. In festival day, respective students are allowed to wear traditional dresses. Mentors are allocated to the students to give counseling

Provide the weblink of the institution
http://web.excelinstitutions.com/excel_engg/wp-content/uploads/2021/04/file1.pdf

8.Future Plans of Actions for Next Academic Year

No data enetered!!!