



## **YEARLY STATUS REPORT - 2021-2022**

### **Part A**

#### **Data of the Institution**

<b>1.Name of the Institution</b>		<b>EXCEL ENGINEERING COLLEGE</b>
• Name of the Head of the institution		<b>Dr.K.BOMMANNA RAJA</b>
• Designation		<b>PRINCIPAL</b>
• Does the institution function from its own campus?		<b>Yes</b>
• Phone No. of the Principal		<b>9626238999</b>
• Alternate phone No.		<b>9524422299</b>
• Mobile No. (Principal)		<b>9626238999</b>
• Registered e-mail ID (Principal)		<b>principaleec@excelcolleges.com</b>
• Address		<b>NH 544, Salem Main Road, Komarapalayam, Namakkal District.</b>
• City/Town		<b>Namakkal</b>
• State/UT		<b>Tamilnadu</b>
• Pin Code		<b>637303</b>
<b>2.Institutional status</b>		
• Autonomous Status (Provide the date of conferment of Autonomy)		<b>21/08/2020</b>
• Type of Institution		<b>Co-education</b>
• Location		<b>Rural</b>

• Financial Status	<b>Self-financing</b>				
• Name of the IQAC Co-ordinator/Director	<b>Dr.A.Karthikeyan</b>				
• Phone No.	<b>9944620850</b>				
• Mobile No:	<b>9944620850</b>				
• IQAC e-mail ID	<b>chiefiqac@excelcolleges.com</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/08/AQAR-2020-21-latest-as-on-30.07.2023.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/08/AQAR-2020-21-latest-as-on-30.07.2023.pdf</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/05/Academic-Calendar-2.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/05/Academic-Calendar-2.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B+</b>	<b>2.56</b>	<b>2016</b>	<b>05/11/2016</b>	<b>04/11/2021</b>
<b>Cycle 1</b>	<b>A+</b>	<b>3.26</b>	<b>2019</b>	<b>28/03/2019</b>	<b>31/12/2025</b>
<b>6.Date of Establishment of IQAC</b>			<b>30/12/2014</b>		
<b>7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?</b>					

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Aeronautical Engineering	AICTE RPS	AICTE	18/02/2022	1048333
Aeronautical Engineering	TNSCST CB	TNSCST	27/12/2021	150000
Aeronautical Engineering	TNSCST SPS	TNSCST	11/03/2022	15000
Computer Science and Engineering	TNSCST SPS	TNSCST	11/03/2022	7500
Electronics and Communication Engineering	TNSCST SPS	TNSCST	11/03/2022	15000
Mechanical Engineering	TNSCST SPS	TNSCST	11/03/2022	15000
Institute level	AICTE SIH	AICTE	17/08/2022	672000

#### 8. Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> <li>Upload the latest notification regarding the composition of the IQAC by the HEI</li> </ul>	<a href="#">View File</a>	
<b>9.No. of IQAC meetings held during the year</b>	<b>6</b>	
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10.Did IQAC receive funding from any</b>	<b>No</b>	

<b>funding agency to support its activities during the year?</b>											
<ul style="list-style-type: none"> <li>• If yes, mention the amount</li> </ul>											
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>											
IQAC made significant contributions to NBA Re-Accreditation Process for four departments successfully (AERO, MECH, ECE and CSE).											
Data collected by IQAC for the progress of Teaching-Learning process, Research Grants, Publications and Patent/ Copy Rights and Industrial Linkages to achieve the 3.5 Star- rating in Institution's Innovative Council (IIC)											
IQAC supported for achieving ATAL Ranking of Institutions on Innovation Achievements - (ARIIA 2021)											
All the necessary data are collected by IQAC from all the departments for participating NIRF RANKING 2021											
IQAC conducted NAAC Awareness Activities for mentoring institutions (Excel Engineering & Technology, Excel College of Architecture and Planning, Excel College of Pharmacy, The Kavery College of Arts and Science, The Kavery Engineering College) under PARMARSH Scheme											
<b>12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</b>											
<table border="1"> <thead> <tr> <th data-bbox="67 1211 783 1290">Plan of Action</th><th data-bbox="783 1211 1482 1290">Achievements/Outcomes</th></tr> </thead> <tbody> <tr> <td data-bbox="67 1290 783 1570">Academic Schedule has been planned for ODD and EVEN Semester wise which includes List of Working days &amp; Holidays, Internal Exam schedule and Review Meeting.</td><td data-bbox="783 1290 1482 1570">Regular teaching activities, internal assessment exams, result analysis meetings, academic and non-academic activities were successfully completed as per the plan.</td></tr> <tr> <td data-bbox="67 1570 783 1760">Two Value Added courses for imparting transferable and life skills will be conducted by each department for 30hrs.</td><td data-bbox="783 1570 1482 1760">27 Valued added courses were conducted by various departments.</td></tr> <tr> <td data-bbox="67 1760 783 1951">Board of studies and Academic Council meeting will be conducted for R2020 syllabus for all UG and PG Courses.</td><td data-bbox="783 1760 1482 1951">Board of studies and Academic Council meeting were conducted successfully.</td></tr> <tr> <td data-bbox="67 1951 783 2080">Women's empowerment activities are planned through the Women's</td><td data-bbox="783 1951 1482 2080">More than 10 activities were conducted successfully.</td></tr> </tbody> </table>	Plan of Action	Achievements/Outcomes	Academic Schedule has been planned for ODD and EVEN Semester wise which includes List of Working days & Holidays, Internal Exam schedule and Review Meeting.	Regular teaching activities, internal assessment exams, result analysis meetings, academic and non-academic activities were successfully completed as per the plan.	Two Value Added courses for imparting transferable and life skills will be conducted by each department for 30hrs.	27 Valued added courses were conducted by various departments.	Board of studies and Academic Council meeting will be conducted for R2020 syllabus for all UG and PG Courses.	Board of studies and Academic Council meeting were conducted successfully.	Women's empowerment activities are planned through the Women's	More than 10 activities were conducted successfully.	
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Empowerment cell.	
More than 50% of students should be sent to industries for internship and industrial projects.	1100 students of all the departments successfully completed the internship.
Syllabus review feedback should be collected from all the stakeholders through online and offline mode for ODD and EVEN semester. Students' Satisfaction Survey has been collected through online mode for all UG & PG courses.	All the data were collected from all stakeholders and action taken reports were submitted to higher authorities successfully. Responses have been collected from the students and action has been taken.
Slow and Advanced learners should be identified after the first internal examination. Separate coaching classes and study materials should be provided to slow learners. At least 50% of advanced learners are encouraged to participate in various external activities beyond academic curriculum.	Coaching classes were planned and the performance of the slow learners were improved. Advanced learners participated in various external activities like Hackathon, Ideathon, Code Contest, Symposium, Workshops, Seminars, Webinars, etc.
All faculty and students are motivated to take up NPTEL online certification courses.	7 faculty members and 44 students completed the NPTEL Course successfully.
All faculty members are encouraged to use various teaching pedagogy methods and ICT tools.	Various teaching pedagogy methods and ICT Tools like PPT, NPTEL video lectures, animations were also used for teaching classes.
All faculty members are informed to prepare Course files with lecture notes before the commencement of the semester.	Course files and lecture notes were audited.
Faculty and Students are encouraged to publish research papers in UGC, SCI, Scopus and reputed journals. At least 5 publications should be made by each department.	More than 132 papers were published in reputed journals by various department faculty members and students.

Annual budget should be submitted by all the departments to the infra-coordinator before the commencement of the semester.	Annual budget were submitted to Principal.
Faculty members are motivated to apply Research proposals for various agencies.	More than 75 proposals were successfully submitted to various agencies such as AICTE, DST, CSIR, ICSSR, SERB, ICMR, DRDO, FAER, TNSCST, UGC etc. and 10 funds were sanctioned for the worth of RS.19.22 lakhs.
Extension activities and outreach activities should be planned by each department, club and cell such as NSS, NCC, YRC, RRC, Rotaract, Green and Energy clubs.	Many social activities were conducted through NCC, YRC, Swacch Bharat, Green Club, RRC, Rotaract etc.
Signing of two MOU with the reputed industries has been planned by all departments.	More than 10 MOU were signed by all the departments in the reputed industries.
Soft skills, Placement training, coaching for GATE examinations should be provided to all second, third and final year students.	Soft skills and Placement training were given intensively for 10 days for all the departments at the beginning of the academic year. Later, these training program were scheduled along with the regular timetable. GATE exam coaching classes were also conducted by each department for all the third and final year students. Exclusive pre-placement and group focussed training were given to the final year students before 5 days of the campus interview.
Alumni Activities have been planned.	Global Alumni Meet was conducted on 13.08.2022 and 750 alumni students took part in the meet. More than 15 activities were also conducted by all the

	departments.
Paperless governance may be encouraged in all places.	Communication and circular are sent through HOD and faculty e-mail and Whatsapp group.
Organizing Tech fest, Guest lecture, Workshop, Seminar, Conference should be planned by all departments.	More than 145 technical events were conducted for which academicians and eminent speakers from various reputed industries like CTS, TCS, Infosys, IBM, BHEL, DRDO, HCL, HIL etc., delivered lectures.
National and International level Sports meet should be planned by the Sports department.	Students participated at Zonal, State and National level in various competitions.
Each Department must follow one unique Best Practice.	Every department is advised to follow unique best practice like Project based Learning, Activity based Learning, Innovative teaching methods etc.
Participated in various private ranking.	Participated in NIRF Ranking successfully. Academic Insights-36th Rank OBE Ranking - Silver Band India Today -216th Rank Careers360 - Secured AAA+ grade Educational Excellence Awards 2022 for Excellent Administration, Quality education and Placement. Indian Academic Ranking -Positioned Gold band for Academic Excellence R world Ranking - Silver Band for Employability and startup Ecosystem Excellence R world Ranking- Gold Band for Research Excellence ARIIA-Ranking got 3.5 star rating
Academic and Administrative Audit has been planned.	Academic Audit is successfully conducted and the SWOC has been analyzed department wise.
13.Was the AQAR placed before the statutory body?	Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	22/11/2021

**14. Was the institutional data submitted to AISHE ?**

**Yes**

- Year

Year	Date of Submission
2021-22	11/02/2023

### **15. Multidisciplinary / interdisciplinary**

The vision and mission of Excel Engineering College focuses on offering a wide range of programmes of global standard in the fields of Science, Engineering, Technology and Management studies to promote research and to transform the students into globally competent personalities. The CBCS curriculum gives more focus on Humanities, Social Sciences, Management courses, Basic Science, Professional core and electives, open elective courses, employability enhancement courses and mandatory courses. The Humanities and Basic Science courses contribute around 20% of the overall credits in curriculum along with STEM courses in all B.E/B.Tech Programs. The CBCS curriculum provides affability to students in selecting the courses and credits based on their choice to equip themselves for their career growth and to face challenges in the competitive world. The curriculum offers credit based Industrial Training, Internships in Industries, Industry oriented courses, Online Industrial courses and Industry mentorship for the students to enhance their technical skills. Besides the college affords the students to be a member in Professional Societies like ISTE, IEEE and IEI to endow themselves in interdisciplinary skills with a better exposure by participating in the organized programmes. To support multidisciplinary education as per NEP policy, students are encouraged to select open elective and core elective courses of their own choices. Various Club activities like Fine Arts Club which includes Music, Cultural and Photography, Tamil Mandram, Trekking , Rotaract, NCC, NSS, Science Club, Maths Club, English Literary Club, Green Club and Swatch Bharath Club are organized to bring the



students with multipotentiality. Soft skills, Computer Programming and Placement Training are also habituated to all the disciplines to empower themselves in the society.

#### **16.Academic bank of credits (ABC):**

The Academic bank of credits is expected to be introduced by our affiliating university in the coming sessions. We shall follow their lead, since we are obliged to adhere to their prescription and it is under consideration.

#### **17.Skill development:**

To enrich the students to acquire exceptional skills apart from the mandatory credits, a set of curriculum is offered as a one credit course for skill development. The institution has MoU with PMKVY, TNSDC and various industries and agencies for training the students. A few skill development centers such as Hyundai, Excel Technology Business Incubator, Centre for Excellence and ICT Academy for both students and faculties are accessible in the college campus. Fine Arts Club includes Music, Dance, Painting, Singing to expose the talents of the students. Value added certificate courses are offered to all disciplines to enhance the skill. Entrepreneurship programme is conducted by EDC. NSS activities are organized for the students to be acquainted with the societal responsibility and the development. Life skills and Yoga courses are separately conducted for physical and mental fitness. Excel Technology Business Incubator has MoU with the Ministry of MSME for the skill development and Entrepreneurship. Students are given opportunities to enforce themselves in Internship training and field projects regularly. Special coaching is also given for the Sports to build them to participate in University, State and National level matches

#### **18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

As students are imbibed with Human values, Indian culture and Tradition, the college conducts a few festival celebrations for the students to be even more acquainted with different culture and festivals. As the institution intakes the diversity of students across India, it makes them easier to learn the language, culture and rituals along with the Unity as Indians. Induction programmes are conducted to educate the awareness of environmental issues and Universal human values. As a part of the curriculum, Hindi is included as Language Elective- II for North Indian Students and respective faculties are also accessible in the college

**19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

The ultimate aim of introducing the outcome-based education in the institution is to provide student-centered learning that focuses on measuring their performance through outcomes on completion of UG or PG program after Four or two years respectively. The outcomes include knowledge, attainment of skills, values, attitude and appropriate judgment. The objective of Outcome Based Education (OBE) is to maximize the students' learning which consequently improves their understanding and application skills. In Excel, OBE has been practiced since 2013. According to Outcome Based Education guidelines, every programme has Program Educational Objectives (PEOs), Program Outcomes (POs), Program Specific Outcomes (PSOs) Course Outcomes (COs) specified by NBA. COs of each theory and lab is mapped with POs and PSOs. Every course syllabus is organized as five units in which each of the units is designed to impart a specific skill. Each unit will have one Course Outcomes (COs). Every COs are developed that distinguishes a measurable outcome in terms of skills gained. COs attainment is computed using direct method (Internal examinations, University examinations, tests, assignments, tutorial, laboratory observation etc) and indirect method (Course End Survey) with 40/60 weightage for assessment tools. Each faculty responsibility to access course outcomes through their theory and laboratory. Course outcome keywords were mapped with Blooms level which is very useful to accessing students outcomes. Similarly POs and PSOs are measured through course outcomes of theory and laboratory by direct measurements. The indirect method of accessing POs and PSOs are through the various participation activities like Implant Training, Industrial Visit, Value added courses, Online certificate courses like NPTEL, MOOC etc., Workshop, Symposium, Seminar, Project contest, societal activities and responsibilities and Sports & Cultural activities. Co-curricular and extra-curricular activities are conducted regularly in all departments to measure students' outcome. The OBE process is followed persistently in our Autonomous curriculum from 2020 onwards. The POs, PSOs and COs for each program and each course was prepared based on the graduate attributes like knowledge, problem solving, design and develop solutions, Conduct investigations, latest tool usage, responsible citizen in the society, self and lifelong learning, Communication and social skills and Cultural & ethical competence. The PEOs are measured directly POs and PSOs of each department in direct way. The Alumni, employer survey forms were used to measure PEOs from third year after completion of degree. From PEOs attainment the corresponding department vision and mission able to measure after seven to ten years. This OBE process has been educated through IQAC to all the faculties every year.

**20.Distance education/online education:**

To promote optimal learning environment, students and faculties are given opportunities on various online platforms. During the COVID-19 pandemic period, teaching- learning process was operated effectively through online mode. The institution has subscribed to both Google Suite which includes all Google tools like Google Meet, Google Classroom, Zoom and Microsoft Teams to flourish and furnish the entire teaching-learning process along with interaction sessions through the online domain. Students' assignments, tutorials and exams were monitored through Google classroom. Various Webinars, Conferences, Guest lectures, Industrial interactions were conducted through online platforms. Students and faculties were encouraged to equip themselves by taking up online courses like NPTEL, SWAYAM, Coursera and also concurred in many online events conducted by other colleges. The institute adopted online education and executed successfully.

**Extended Profile****1.Programme**

1.1	26
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

**2.Student**

2.1	2997
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2	559
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3	2928
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Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of courses in all programmes during the year:	<b>1338</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.2 Number of full-time teachers during the year:	<b>345</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3 Number of sanctioned posts for the year:	<b>337</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>4.Institution</b>	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	<b>929</b>
4.2 Total number of Classrooms and Seminar halls	<b>76</b>
4.3 Total number of computers on campus for academic purposes	<b>684</b>
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	<b>36988000</b>

**Part B**

## CURRICULAR ASPECTS

### 1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Excel Engineering College (EEC), affiliated to Anna University Chennai, got autonomous status in the year 2020-21. It is the responsibility of autonomous college to design and develop curriculum based on the guidelines of AICTE and affiliating university meeting the requirement of local and global needs. Hence, our college proposed a process to develop these curriculum and syllabus for all programs meticulously. At first step, the subject experts of various courses are identified and informed to engage in this process by getting valuable feedback from the members of PAC and DAAC.. After incorporating suggestions from BoS, it is submitted to academic council then governing council for the approval. The courses were designed and developed with the relevance to the local, regional and global needs with the learning objectives in par the national and global trends for the benefit of the students. The curriculum developed by our institution focuses employability, skill development, innovations, entrepreneurship, higher studies, livelihood, sustainable development, physical and mental health. With the aim of reducing and measuring curricular gaps, the curriculum developed by our institution comprises of Course learning Objectives, Course Outcomes (COs) mapped with the Program Outcomes (POs) and Program Specific Outcomes (PSOs).

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="#">0</a>

### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

14

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

720

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

## 1.2 - Academic Flexibility

### 1.2.1 - Number of new courses introduced across all programmes offered during the year

134

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

26

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

EEC Integrates cross cutting issues relevant to gender, environment and sustainability, human values, and professional ethics. Also EEC has provided different courses in the curriculum for the holistic development of students; through this courses students will enhance global challenging environments and to inculcate general competencies like social ethical values, human values, environment sensitivity, etc., Gender: EEC incorporates Women Empowerment and Grievance Redressal Cell for the students to solve social and gender related issues facing in the society. Gender Equity Program is conducted once in a semester. Environment and Sustainability: EEC included the three credit course of "Environmental Science and Engineering" in the curriculum, for the sake of students to understand the ecosystem and to balance with the sustainability. Human Values and Professional Ethics: EEC added this "Professional Ethics and Human Values" elective course for the final year students to adopt, and to bring out the codes, moral duties and virtues applied to an organization. Social Development Activities like Blood Donation, Awareness Camp, Sapling Plant, Swatch Bharat, etc., is conducted once in a semester.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

27

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.3.3 - Number of students enrolled in the courses under 1.3.2 above**

2910

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.3.4 - Number of students undertaking field work/projects/ internships / student projects**

1107

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4 - Feedback System**

**1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**      **A. All 4 of the above**



File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://excelinstitutions.com/excel_engg/feedback/">https://excelinstitutions.com/excel_engg/feedback/</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://excelinstitutions.com/excel_engg/feedback/">https://excelinstitutions.com/excel_engg/feedback/</a>
Any additional information	<a href="#">View File</a>

### TEACHING-LEARNING AND EVALUATION

#### 2.1 - Student Enrollment and Profile

##### 2.1.1 - Enrolment of Students

##### 2.1.1.1 - Number of students admitted (year-wise) during the year

1151

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

##### 2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

929

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Bridge courses are organized in respective subjects for newly admitted students to fill the gaps.

### Special Programmes for Advanced Learners

- Advanced learners are encouraged to make posters and PPT presentations.
- Student seminars and symposiums are regularly organized.
- Advanced learners are motivated to take part in inter-collegiate competitions
- They are given e-links of MOOCs on SWAYAM, NPTEL, NDL, Spoken Tutorial portals for listening to lectures on advanced topics.
- Advanced learners are informed about competitive exams and career pathways. They are advised to go through standard reference books in the library.

### Special Programmes for Weak Learners

- Advanced learners are given opportunity to represent the institution as anchors for various online programmes.
- Remedial classes/ difficulty sessions/ extra and special classes are taken regularly.
- Detailed Question wise feedback is given to weak learners on their performance in unit tests, semester exams/ university practicals.
- Peer teaching is employed by having advanced learners teach a few topics assigned for the benefit of weak learners.

Students are taught test taking strategies. Teachers help slow learners by administering Unit tests and assignments periodically.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2022	4248	327

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## 2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

The college provides a variety of learning experiences: •

- Students experience theoretical learning through related practicals. Also, field trips for science students facilitate observing and collecting data and specimens related to the subject.
- Students are involved in interactive learning, problem-solving exercises, group discussions, seminars, paper presentations, quiz competitions, workshops, role-play, etc
- Educational screenings in the classroom make subject learning interesting.
- The learning experience is upgraded by extensive use of ICT tools- PPTs, LCD, interactive boards by teachers, especially consequent to the COVID-19 pandemic and evaluated through mock tests, quiz, and online testing.
- Learning is made student-centric through project work, seminar presentations and assignments.
- Students often volunteer in conferences, seminars and workshops.
- Students are motivated to register on portals of e-learning like SWAYAM, NPTEL, NDL, Spoken Tutorials and the survey for registration was monitored through Google forms.
- The College Central Library provides internet facilities, access to texts, reference books, Educational CDs and DVDs.

- E-repository is available in the library along with subscription to the DELNET Database.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="#">0</a>

### 2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

- The college has prioritized the use of ICT in teaching -learning.
- Preparation of e-resources in various subjects in the form of PPTs, digital material, and top resource links has created a repository of knowledge, available to students in the departments and in the library compiled under Greenstone Digital Library.
- The Network Resource Centers cater to need of internet resources with facility for downloading, reprography and printing in library.
- Staff rooms and Central library have networked internet connections. Campus is wi-fi enabled.
- Classes, seminars, guest lectures, etc. using LCD projectors are conducted in available science laboratory spaces, and in AV Hall, Seminar Hall and the College auditorium, as needed.
- Faculties are enriched through training workshops on digital tools, online portals such as National Digital Library, SWAYAM, etc.
- Use of ICT by incorporating audio-visual material makes lessons visually interesting, positively impacting both the learning outcomes of students and their attendance.
- Some teachers now use of modern methods of teaching learning, such as Google sites and Google classroom, to implement 'flipped learning', posting and receiving assignments, post educational resources and materials, Google forms to evaluate students, etc.
- Use of ICT by incorporating audio-visual material makes lessons visually interesting, positively impacting both the learning outcomes of students and their attendance.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://excelinstitutions.com/excel_engg/digital-transformation-at-smart-classroom/">https://excelinstitutions.com/excel_engg/digital-transformation-at-smart-classroom/</a>
Upload any additional information	<a href="#">View File</a>

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

327

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

#### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

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 Institutional 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 of portion. 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

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full-time teachers against sanctioned posts during the year

345

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

63

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

1125

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

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

68

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

288

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

#### Continuous Internal Examination (CIE):

- Introduced Question Bank System for Continuous internal Examinations. Question papers are generated from the question Bank.

#### End Semester Examinations (ESE):

- Question papers are set by subject experts from different Higher Education Institutions like NITs, State Universities etc., as well as by identified internal faculty.
- Introduced the setting of hybrid version of question papers by selecting quality questions from the question papers set by external and internal subject experts.
- Auditing of question papers set by the external and internal subject experts to verify its specified standards as per the CoE norms.
- Introduced the system of "Revaluation" thus enabling the students to appeal for any discrepancies in the valuation.
- System of issue of photocopy of the answer script to the students' on-demand has been introduced enabling the student to verify the scheme of award of marks.
- Introduction of Outcome Based Evaluation model to enhance the quality of Assessment & Evaluation Process by following Blooms Taxonomy and Rubrics in evaluation, as well as addressing the gaps in the curriculum.
- Mapping of questions with the following in the internal examination question paper to ensure balanced cognitive levels of learning.
  - Blooms Taxonomy Levels.
  - Course Outcomes (COs).
  - Programme Outcomes (POs).

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://excelinstitutions.com/excel_engg/overview/">https://excelinstitutions.com/excel_engg/overview/</a>

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

Outcome Based Education (OBE) is a student-centric learning approach and is made mandatory to Higher educational institutes by all regulatory bodies like UGC, NAAC etc. It helps the students to acquire predetermined set of expected knowledge, skills, values or attributes. Programme outcomes (POs), Programme Specific Outcomes (PSOs) and Course outcomes (COs) are necessary for the flexibility and innovation in programme design, syllabi development, teaching-learning process and assessment of student learning levels.



The POs, PSOs, and COs are disseminated through Institute Website, Prospectus, Course file, Departments, Laboratories, etc. As a part of the Induction Programme, Institute appraises about POs, PSOs, and COs, and other academic details to the fresh batch of students of respective academic programs. Each Course Outcome is mapped to Program Outcomes in terms of relevance. Three levels of relevance are based on the degree of correlation i.e. 1 for low, 2 for medium and 3 for high correlation. The contribution of course to each PO is expressed in terms of the average relevance of COs mapped to that particular PO. The agreed-upon COs forms the basis for achieving POs and PSOs and thus contributing towards achieving the Mission and Vision of the Institute.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Link for additional Information	<a href="https://excelinstitutions.com/excel_engg/curriculum-syllabus/">https://excelinstitutions.com/excel_engg/curriculum-syllabus/</a>

#### 2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

At the end of each academic year, computation of POs attainment is done from the attainment of all curriculum components. Level of attainment computed for COs/PSOs/POs include both direct and indirect assessment tools. The PO and CO attainment is evaluated in the following way:

**Direct Method:** First three levels of learning like remembering, understanding and applying to some extent and fourth level of leaning by analyzing can be assessed by conducting standardized examinations (Semester End Examinations (SEE) where students are given limited amount of time. Internal Assessment Exam (IAE) and Semester End Examination (SEE) are the prime tools for evaluation of PO and CO attainment. The IAE matrix comprises of two tests, assignments, presentations, practicals and quizzes.

**Indirect Method:** Student Feedback on Curriculum is obtained and the same is shared with the department so that their feedback is discussed and relevant changes if any are made. PO is evaluated based on the performance of the students in terms of their progression to higher studies, qualification in competitive examinations and placement. Field visits conducted by departments

also add to the level of students. Students are encouraged to participate in all the curricular, co-curricular and extracurricular activities of College.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://excelinstitutions.com/excel_engg/curriculum-syllabus/">https://excelinstitutions.com/excel_engg/curriculum-syllabus/</a>

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

527

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="#">0</a>

### 2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

[https://excelinstitutions.com/excel\\_engg/wp-content/uploads/2023/07/Students-Satisfaction-Survey-2021-22-and-Action-Taken.pdf](https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/07/Students-Satisfaction-Survey-2021-22-and-Action-Taken.pdf)

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

- The Institute has a well-defined policy for promoting and incentivizing research. The faculty members are encouraged to undertake sponsored research and consultancy projects in order to strengthen the research profile of the Institute. Research

and Consultancy is carried in the energy, health, environment, manufacturing, communication, etc., These projects are very important for maintaining external and global linkages and are also a source of revenue for the Institute. With regard to sponsored research projects, the Institute has a well-crafted policy. As the Institute is fortunate of having bright and knowledgeable faculty, they are encouraged to take up consultancy projects. Such projects are immensely beneficial for the industry and they use it as a development tool. Further to above, the Institute has a Policy on Incentives for Research Publications. Excel Engineering College incentive policy for research is well defined for the benefit of the faculty members.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://excelinstitutions.com/excel_engg/about-the-centre-of-research/">https://excelinstitutions.com/excel_engg/about-the-centre-of-research/</a>
Any additional information	<a href="#">View File</a>

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

0

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	No File Uploaded
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

### 3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

14

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.2 - Resource Mobilization for Research

#### 3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

19.22

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.2.2 - Number of teachers having research projects during the year

10

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="#">NA</a>
List of research projects during the year	<a href="#">View File</a>

#### 3.2.3 - Number of teachers recognised as research guides

13

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

10

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://www.tanscst.tn.gov.in/results">https://www.tanscst.tn.gov.in/results</a>
Any additional information	<a href="#">View File</a>

## 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

- Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge. Excel Engineering College provides enriching ecosystem for inculcating research and innovative approach amongst the students and staff by taking several initiatives at management and college level through financial, technological and infrastructural support and at faculty level by providing platforms through events, seminars, workshops, skill based courses and research publications, for creation and transfer of knowledge.

The initiatives taken are as follows:

- There is a research committee at college level for making policy related to research and innovation.
- The central library provides facilities for creation of knowledge and research support through reference books, research journals, encyclopedia, reading room, Digital library, Delnet, plagiarism software support.
- Spacious laboratories, computers, internet and all other ICT

facilities available for all the departments.

- Under Institute Innovation Council various programmes like innovative project competitions, Hackathon, Debugging, Quiz, Poster presentation, exhibition and workshops at department as well as institute level are conducted.
- Through IRRP cell (Industrial Relation and Research projects) and EDC cell (Entrepreneur cell), industrial experts from reputed industries, scientists, entrepreneurs, Research scholars, members from NGOs are invited to visit the campus and share their experience and innovative ideas.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://excelinstitutions.com/excel_engg/about-the-centre-of-research/">https://excelinstitutions.com/excel_engg/about-the-centre-of-research/</a>

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

41

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4 - Research Publications and Awards

**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following:** Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

**A. All of the above**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

#### 3.4.2.1 - Number of PhD students registered during the year

15

File Description	Documents
URL to the research page on HEI website	<a href="https://excelinstitutions.com/excel_engg/about-the-centre-of-research/">https://excelinstitutions.com/excel_engg/about-the-centre-of-research/</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

50

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

4

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/05/3.4.4_compressed.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/05/3.4.4_compressed.pdf</a>

### 3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

#### 3.4.5.1 - Total number of Citations in Scopus during the year

62

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

#### 3.4.6.1 - h-index of Scopus during the year

7

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

#### 3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

0



File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	No File Uploaded
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

- Multifarious activities in the Institute involving the students with the objective of sensitizing various social issues and strengthening community participation for holistic development are carried out inside the campus under the banner of NSS.
- Women's Day is celebrated as part of Gender Sensitization programs. "International Yoga Day" is celebrated too for making the students mentally and physically fit.
- Following activities are undertaken to engage faculty, students, and staff in the neighborhood community, viz. SwatchBharat initiatives, NO to Plastic campaign, Tree

plantation, Health campus, Blood donation, Vaccination campus. In keeping touch with SwatchBharat initiatives all across the country, students reached out to villagers near Komarapalayam, erode as part of the outreach programme.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://excelinstitutions.com/excel_engg/clubs-societies/">https://excelinstitutions.com/excel_engg/clubs-societies/</a>

### 3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

19

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

53

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

3084

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.7 - Collaboration

#### 3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

1228

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

42

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

- The College is surrounded by peaceful green and silent environment conducive for quality education.
- There are 76 classrooms in which 44 with ICT facilities. There are more than 30 laboratories, 7 seminar halls and 6 browsing centers. Wi-Fi facility is available inside the campus. Spacious Auditorium is available for 3000 members. There is an

open-air stage, a conference room and store rooms.

- There are separate outdoor facilities for Football, hockey, cricket, volleyball, basketball, athletics and other track and field events.
- Basic amenities on college premises include separate staff and student parking, canteen, drinking water premises, first-aid, solar energy generation, CCTV cameras for security, fire safety and separate restrooms for boys, and girls.
- A fully computerized library uses AUTOLIB software and is well-equipped with a stack room, reading hall and network resource center. Its collection of books and resources, supplemented with various departmental libraries form a strong support system.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">NA</a>

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

- The College auditorium has been recently sound proofed for better indoor cultural programs. There is an open-air stage for flag hoisting and open air programs.
- Separate Gym is available for both boys and girls in hostel.
- Regular practice of Yoga and exercises are carried out in EEC by Excel College of Naturopathy & Yoga science.
- Indoor stadium-cum-sports complex having all modern facilities. It provides required space and facilities for a number of indoor games such Cricket and Football Tuff shuttle court, Table Tennis.
- Sports activities will be conducted every year inside the campus and the winners will get the accolades in the Annual Day through an eminent chief guest.
- Yoga Day is celebrated regularly, with online celebration for the past two years, with Yoga demonstrated by experts.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">NA</a>

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

44

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

369.88

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 4.2 - Library as a Learning Resource

#### 4.2.1 - Library is automated using Integrated Library Management System (ILMS)

**Data Requirement for last five years:** Provide a description of library with 1. Name of the ILMS Software: AUTO LIB 5.1 2. Nature of automation 3. Year of automation: 2007 The Central Library is fully automated with Integrated Library Management Software, AUTO LIB and 5.1 used for Circulation, Procurement, Online Public Access Catalogue (OPAC) and Project Repo The library documents are bar-coded and books are issued to users by reading the barcode of the document. The holdings include the books, journals, question papers and project reports. The library can access publications of all major

publishers like Elsevier, Springer, Taylor ICE, Emerald etc. The users can access around 27,000 E-books and 816 International journals. 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

**4.2.2 - Institution has access to the following: e- A. Any 4 or more of the above journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)**

12.55

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

**4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)**

**4.2.4.1 - Number of teachers and students using the library per day during the year**

426

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

#### Software Installation and Licensing Policy

- Any computer purchase made by the individual departments/projects should make sure that such systems have all licensed software (operating system, antivirus software and necessary application software) installed. Respecting the anti- piracy laws of the country, college IT policy does not have any pirated/unauthorized software installation on the college owned computers and the computers connected to the college campus network.

#### A. Operating System and its Updating

- Individual users should make sure that respective computer systems have their OS updated in respective of their service packs/patches, through Internet. This is particularly important for

Windows based computers (both PCs and Servers). Checking for updates and updating of the OS should perform at least once in a week or so.

- College as a policy encourages user community to go for open source software such as Linux, office to be used on their systems wherever possible.

#### B. Antivirus Software and its updating

- Computer systems used in the college should have anti-virus software installed, and it should be activated at all times. The primary user of a computer system is responsible for keeping the computer system compliant with this virus protection policy.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2997	684

File Description	Documents
Upload any additional information	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

#### 4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure



#### 4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

285

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

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 kept clean 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 equipment, 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 for 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.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2227

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

500

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

### 5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	<a href="https://excelinstitutions.com/excel_engg/igac/#1617974294364-4631a027-f472">https://excelinstitutions.com/excel_engg/igac/#1617974294364-4631a027-f472</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

1742

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

**A. All of the above**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>

## **5.2 - Student Progression**

### **5.2.1 - Number of outgoing students who got placement during the year**

**437**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### **5.2.2 - Number of outgoing students progressing to higher education**

31

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	No File Uploaded

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

**5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year**

16

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.3 - Student Participation and Activities

**5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year**

8

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

**Students' participation in Academic Committees and 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.

#### 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' participate in Administrative Committees.

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 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.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

22

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to

the development of the institution through financial and other support services

Alumni network has a real life benefit for the students inside the campus. Alumni contribute their valuable time to offer career support to students inside the campus. They support in enhancing students exposure towards trends and requirement in industry and provide them competitive edges in today's challenging job market. Alumni meet is arranged often in our institution. Recently, Online alumni meet 2022 was organized on 13.08.2022 in google meet. Around 210 alumni participated in the event and it was a grand success. Everyone shared their industrial and Professional experience with their junior students. They also advised the students to develop their skill set in recent technologies used in the industry for the placement or higher studies. This session was very helpful and motivation for the students. Regular Alumni guest lecturers were organized in each department on various domains for the benefit of the students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://alumni.excelinstitutions.com/home.dz">https://alumni.excelinstitutions.com/home.dz</a>

#### 5.4.2 - Alumni's financial contribution during the year D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

EEC Integrates cross cutting issues relevant to gender, environment and sustainability, human values, and professional ethics. Also EEC has provided different courses in the curriculum for the holistic development of students; through this courses students will enhance global challenging environments and to inculcate general competencies like social ethical values, human values, environment sensitivity, etc.,

**Gender:** EEC incorporates Women Empowerment and Grievance Redressal Cell for the students to solve social and gender related issues facing in the society. Gender Equity Program is conducted once in a semester. **Environment and Sustainability:** EEC included the three credit course of "Environmental Science and Engineering" in the curriculum, for the sake of students to understand the ecosystem and to balance with the sustainability. **Human Values and Professional Ethics:** EEC added this "Professional Ethics and Human Values" elective course for the final year students to adopt, and to bring out the codes, moral duties and virtues applied to an organization. **Social Development Activities** like Blood Donation, Awareness Camp, Sapling Plant, Swatch Bharat, etc., is conducted once in a semester.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://excelinstitutions.com/excel_engg/about-the-institution/">https://excelinstitutions.com/excel_engg/about-the-institution/</a>

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Excel Engineering College believes in the implementation of the basic principles of management, aiming at achieving effectiveness and efficiency in the delivery of various education services to the students and all other stakeholders. In this endeavor, decentralization of decision making power, delegation of authority and responsibility, superior supervision and control are defined, implemented and monitored. The strategic processes set by the institution enables continual improvement in service quality leading to enlightened learning among students.

'Principal' is the head of the institution. Departmentation is defined on the basis of faculties of study and administration. Decentralization is effected from the heads of each department to their subordinates. The 'span' of control is purposively kept 'narrow' so as to ensure accountability at every level in the hierarchy. Objectives are defined for every position at every level in the hierarchy. So as to achieve the set objectives, authority and responsibility are delegated along with the power of decision making and control. It is also ensured that communication is the 'two way process' and without any barrier at any level in the hierarchy.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/07/6.2.1.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/07/6.2.1.pdf</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

### Introduction

The institute has a perspective plan in tune with the vision and mission of the college. Perspective plan is developed on considering inputs from various stakeholders.

### Outcome of Perspective plan of the Institution

NBA accreditation

NAAC "A+" accreditation

Research centre status

Permanent affiliation

2f and 12B Status

Outcome Based Education

Improved students participation in the co and extra-curricular activities

Scholarships

NBA accreditation process and deployment

Accreditation by NBA to four of our programs is one of the successful implementations of perspective plan based on the strategic plan.



Upon the recommendation of IQAC (after the NAAC cycle-1), we have improved in the following areas;

Teaching-Learning process

Research & Consultancy

Students Progression

Infrastructure development

Faculty development

Students and Society

Self appraisal and feedback system

Teaching-Learning Process:

Each department has developed the PEOs, PSOs and POs on looking at the vision and mission of the Institution/ Department. Mapping of COs and POs/ PSOs has been practiced and attainment has been calculated. The outcome based education (OBE) has been meticulously practised.

A regular internal l academic administrative audit (AAA) has been conducted in a regular frequency by the IQAC. The observation of the audit is discussed in the meeting.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/07/6.2.1.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/07/6.2.1.pdf</a>
Upload any additional information	<a href="#">View File</a>

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

### Functions of Various Bodies

#### 1. Functions of Governing Council

The Governing Council is being the supreme administrative authority of the Institution performs the following functions:

Monitors the academic and other related activities of the college.

Recommends Staff Selection Committee and accords the approval

Taking policy decisions with respect to the communications from the University, Government, AICTE, etc.

Monitors the Students and Faculty progress.

Recommends the Planning and Monitoring Board of the institution for implementation.

Approves the annual budget of the college.

## 2. Functions of Internal Quality Assurance Cell

IQAC was formed to ensure and promote the quality of education.

The progress of curricular, co-curricular and extra-curricular activities is monitored periodically by the IQAC. The coordinating team comprises of

Academic Coordinator

Teaching Coordinator

Activity Coordinator

Exam Coordinator

Research Coordinator

IIPC Coordinator

Website & News letter Coordinator

Alumni & Scholarship Coordinator

Training & Placement Coordinator

## 3. Functions of Women Empowerment Cell

Motivates the women students and staff to exhibit their skills in a

holistic manner. Enquires the complaints received from the aggrieved women in respect of sexual harassment and suitable recommendation is forwarded to the Principal. The events are conducted related to the women empowerment. Suggestions are given regarding facilities/events for the betterment of women in the campus.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/07/6.1.2.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/07/6.1.2.pdf</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="#">0</a>

### 6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institution has well placed effective welfare measures for teaching and non-teaching staff. Welfare measures include various facilities, services and amenities provided for improving their academic and career growth, health, efficiency, economic betterment and social status. The welfare measures followed in our Institution are

**Faculty Members**

**Fees concession to the wards**

**Accident Insurance**

50% concession in Transport

Gift during Diwali festival

Free medical consultation by the resident doctor

First aid and 24x7 ambulance service

12 days On Duty for Faculty Development and university assignment

15 days casual leave

21 days each in summer and winter vacation (Teaching)

7 days vacation (Non teaching)

5 days leave for marriage

50% Registration fee sponsorship for attending outside programs

Incentives for authoring books and publication in referred journals and reputed conferences

Organizing orientation program in every semester

Awards and rewards for meritorious work

Availability research centre facilities for pursuing Ph.D.

Maternity leave

Partly sponsored by college for the tour funded by staff club

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

**6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year**

91

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

40

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

310

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

### 6.4.1 - Institution conducts internal and external financial audits regularly

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/ equipment, computers, stationeries, books etc. • Maintenance of accounts towards construction, computer, lab equipment, landscape, hostel mess, transportation etc. External Audits at the end of the 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.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	No File Uploaded
Any additional information	No File Uploaded

#### 6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The major source of income for the college is through fee

collection. The trust takes care of capital expenditure on infrastructure and functional expenditures. Proper utilization of financial resources is planned at the beginning of every academic year. Finance department is responsible for mobilization of funds through collection of tuition fees.

The finance department is also responsible for optimal deployment of funds on the payment towards salary, tax, suppliers, contractors, service providers etc.

Every department submits the budget proposals based on the requirements planned for the academic year.

This is consolidated at the college level and submitted to the management for the approval. Based on the budget sanctioned, funds are released on priority basis. Every financial transaction is recorded and updated in the centralized accounting system.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="#">0</a>

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Internal Quality Assurance Cell (IQAC) contributed to assure the quality continuously through Academic Administrative Audit (AAA) process and to enhance student's performance through mentoring system.

Based on the recommendations of the IQAC, the Institution has upgraded the quality in every vertical for the development.

### 1. IQAC Academic and Administrative Audit

Periodic Academic Audit is carried out to ensure the quality in teaching-learning process.

### Objectives

To ensure the effectiveness in course delivery, assessment methods and attainment of COs and POs .To ensure the quality process in the administration

#### Structure of Academic Audit

Academic IQAC audit are conducted to assess the academic process towards the attainment of COs & POs and to improve the teaching-learning process. Internal audit is conducted by a team of members comprises of senior faculty members of other departments. IQAC facilitates the audit format to the auditing team.

Once the IQAC completes Audit format, the report is discussed with respective HOD and one week time frame is given to the respective department to ratify the observation. Upon the ratification, the report is submitted to the IQAC and gives suitable recommendations for improvement.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

**IQAC of the Institution has brought the following reforms in the Teaching-Learning Process;**

**Feedback System**

**Outcome based Education System**

**Teaching pedagogy in learning environment**

**Skill based learning process through participative learning method**

**Feedback System**

**Structures & Methodologies of Operations**

**IQAC has implemented a structured feedback mechanism for analyzing the effectiveness of the teaching learning process through**



Class committee meeting

End semester feedback

Informal feedback from the students

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 received on non-academic grievances such as infrastructure, transportation, hostel, food, activities are solved.

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 teaching-learning process.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/07/15th-Annual-day-2021-22.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/07/15th-Annual-day-2021-22.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

#### 1. Safety and Security

##### (a) Class room and laboratories

Institution has more than 40% of female faculty members, lady attenders and sweepers. Each department has a complaint box for the grievances to be redressed.

##### (b) Hostel and Transport safety and security

Ladies hostel is housed inside the campus with vigilant security guards round the clock to maintain the safety and security of girl students. The institution runs more than 59 buses in various routes for day scholars. Additional transport is provided to the students those who are involved in curricular and extra-curricular activities beyond the college hours.

##### (c) Cyber safety

The College premises, laboratories and corridors are under CCTV surveillance to ensure effective safety of the students. Internet is available to the students and staff on basis of 24x7, systems are protected with TACITINE firewall.

#### 2. Counseling

Mentors are allocated to the students to counsel their academic and personal problems to create fearless environment. Counseling is given to the students during mentor hour (9.20am- 9.30am).

3. Common Rooms and medical care Common rooms are available for both boys and girls. Magazines and newspapers are made available in the common room. Medical facilities like first aid box are kept for emergency.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://excelinstitutions.com/excel_engg/iga_c/#1617974294364-4631a027-f472">https://excelinstitutions.com/excel_engg/iga_c/#1617974294364-4631a027-f472</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment**

**B. Any 3 of the above**

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

#### **Solid waste management**

Solid waste management is the process of collecting, treating and disposing of solid materials to make the environment conducive for survival and retaining the natural setting which is taken care by the Institution. Proper collection of droppings from the trees and plants are converted into manure for fertilization. Food and vegetable wastes from mess and canteen are collected and fed to the animals inside and outside the campus.

#### **Liquid Waste Management:**

Due to the increase of water usage, the volume of sewage increases and safe disposal of sewage has become a cause of concern. Our

Institution has two sewage treatment plants (STP) to recycle the waste water. To ensure effective utilization of waste water, the lawns, saplings and trees in the campus are watered after recycling. Well constructed drainage system is in the form of closed collection tanks prevails in our campus.

#### E-Waste Management:

Disposal of e-waste is an emerging global environmental and public health issue and has become the most rapid growing segment of formal municipal waste stream in the world.

E-waste from the computer hardware, electronic equipments etc., are normally weeded out by the institute periodically to the external vendor.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution:** Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

#### 7.1.5 - Green campus initiatives include

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered

vehicles

**3. Pedestrian-friendly pathways**

**4. Ban on use of plastic**

**5. Landscaping**

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

#### 7.1.6 - Quality audits on environment and energy undertaken by the institution

**7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:**

**A. Any 4 or all of the above**

**1. Green audit**

**2. Energy audit**

**3. Environment audit**

**4. Clean and green campus recognitions/awards**

**5. Beyond the campus environmental promotional activities**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	<a href="#">View File</a>

**7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts**

**B. Any 3 of the above**

**Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc.**  
**Provision for enquiry and information:**  
**Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	<a href="#">View File</a>

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The institution believes in equality of all cultures and traditions. In evidence to this, the students belonging to different caste, religion, regions across PAN India including foreign nationals are admitted without any discrimination. Though the institution has diverse socio-cultural background and different linguistic, we do not have any intolerance towards cultural, regional, linguistic, communal socio economic and other diversities. In order to facilitate this process, various national cultural festivals such as Pongal, Onam, Holi, Dusshara, Ayudha pooja, Christmas, Ramzan , etc. are celebrated in the campus. In addition to this, birth anniversaries and memorials of great Indian personalities like Mahatma Gandhi, Sarvepalli Radhakrishnan, APJ Kalam, etc are organized in the campus making all the students to participate in the grand celebration.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

The institution sensitizes the students and the employees to the constitutional obligations about values, rights, duties and responsibilities and constantly works upon to nurture them as better citizens of the country through various curricular and extra-curricular activities.

The college curriculum is framed with courses like Professional Ethics, Value Education as a small step to inculcate ethical values among the students.

The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and everyone should obey the conduct rules. The institution encourages participation of students in Sports and Games, NCC and NSS at National level to strengthen nationwide bond and relation. The institution takes pride for rising up successful leaders among the students by conducting the department Association election to select Vice President. Students and Staff members participate in the national celebrations, Flag Day and take oaths for the cause of the nation. The institution takes many initiatives like conducting awareness campaigns, organizing orientation programmes, training programmes, seminars and workshops to sensitize the future leaders to inherit human values coping with the constitutional obligations.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized**

**A. All of the above**

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

National festivals are celebrated with enthusiasm. Our students are on a mission towards better India. They come together breaking the boundaries of religion and caste. The cultural, ethnic and religious diversity in India has given rise to myriad festivals that are celebrated with unparalleled enthusiasm by students. Here is the list of festivals celebrated in the campus;

- New year is celebrated with greater aspiration
- Pongal/ Makar Sankranti, a celebration of farmers who pray for an abundant agricultural wealth.
- Maha Shivarathri is celebrated to remember the end of ignorance and darkness of the human condition, destroyed by the eternal wisdom of Shiva.
- Holi festival marks the beginning of spring and festival of colors
- Easter is celebrated to recognize the resurrection of Jesus Christ after his crucifixion
- Eid al-Fitr is celebrated at the end of the fasting month of Ramzan.
- Raksha Bandhan is a festival celebrated to induce the unity of brother and sisterhood
- Onam, a harvest festival celebrated by the Malayalis
- The Navarathri Durga Pooja is performed in the campus for 7 days.
- Ayudha pooja is celebrated in the campus in a grand way
- Christmas celebrations are arranged in the campus.



File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

### BEST PRACTICE - 1

#### 1. Title of the Practice

Outcome Based Education (OBE) in Teaching-Learning Process

#### 2. Objective

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.

#### 3. 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.

#### 4. 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.

File Description	Documents
Best practices in the Institutional website	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2021/04/18-191.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2021/04/18-191.pdf</a>
Any other relevant information	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/07/7.2-Best-Practices.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/07/7.2-Best-Practices.pdf</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

#### Distinctiveness - Diversity of Students

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 consists of their reading level, athletic ability, cultural background, personality, religious beliefs, and the list goes on. There has always been diversity in the classroom, but it is important to embrace it and make positive use of it. Implement a "zero tolerance" for anything that is disrespectful, hurtfulor intolerant of diversity.

##### 2. Learning Culture, Location and Ambience

The atmosphere in the classroom reflects the importance of the work undertaken by both students and faculty members. English is the medium of instruction. Food menus are prepared according to their willingness.

Important festivals of their states are celebrated in the campus. Students are allowed to wear traditional dresses.

Group of institutions have different courses inside the campus and interacting with a diverse group of people provides many opportunities to learn from others.

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Excel Engineering College (EEC), affiliated to Anna University Chennai, got autonomous status in the year 2020-21. It is the responsibility of autonomous college to design and develop curriculum based on the guidelines of AICTE and affiliating university meeting the requirement of local and global needs. Hence, our college proposed a process to develop these curriculum and syllabus for all programs meticulously. At first step, the subject experts of various courses are identified and informed to engage in this process by getting valuable feedback from the members of PAC and DAAC.. After incorporating suggestions from BoS, it is submitted to academic council then governing council for the approval. The courses were designed and developed with the relevance to the local, regional and global needs with the learning objectives in par the national and global trends for the benefit of the students. The curriculum developed by our institution focuses employability, skill development, innovations, entrepreneurship, higher studies, livelihood, sustainable development, physical and mental health. With the aim of reducing and measuring curricular gaps, the curriculum developed by our institution comprises of Course learning Objectives, Course Outcomes (COs) mapped with the Program Outcomes (POs) and Program Specific Outcomes (PSOs).

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="#">0</a>

#### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

14

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

720

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

## 1.2 - Academic Flexibility

### 1.2.1 - Number of new courses introduced across all programmes offered during the year

134

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

26

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

EEC Integrates cross cutting issues relevant to gender, environment and sustainability, human values, and professional ethics. Also EEC has provided different courses in the curriculum for the holistic development of students; through this courses students will enhance global challenging environments and to inculcate general competencies like social ethical values, human values, environment sensitivity, etc., Gender: EEC incorporates Women Empowerment and Grievance Redressal Cell for the students to solve social and gender related issues facing in the society. Gender Equity Program is conducted once in a semester. Environment and Sustainability: EEC included the three credit course of "Environmental Science and Engineering" in the curriculum, for the sake of students to understand the ecosystem and to balance with the sustainability. Human Values and Professional Ethics: EEC added this "Professional Ethics and Human Values" elective course for the final year students to adopt, and to bring out the codes, moral duties and virtues applied to an organization. Social Development Activities like Blood Donation, Awareness Camp, Sapling Plant, Swatch Bharat, etc., is conducted once in a semester.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

27

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.3.3 - Number of students enrolled in the courses under 1.3.2 above**

2910

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.3.4 - Number of students undertaking field work/projects/ internships / student projects**

1107

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4 - Feedback System**

**1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://excelinstitutions.com/excel_engg/feedback/">https://excelinstitutions.com/excel_engg/feedback/</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://excelinstitutions.com/excel_engg/feedback/">https://excelinstitutions.com/excel_engg/feedback/</a>
Any additional information	<a href="#">View File</a>

### TEACHING-LEARNING AND EVALUATION

#### 2.1 - Student Enrollment and Profile

##### 2.1.1 - Enrolment of Students

##### 2.1.1.1 - Number of students admitted (year-wise) during the year

1151

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

##### 2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

929



File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Bridge courses are organized in respective subjects for newly admitted students to fill the gaps.

### Special Programmes for Advanced Learners

- Advanced learners are encouraged to make posters and PPT presentations.
- Student seminars and symposiums are regularly organized.
- Advanced learners are motivated to take part in inter-collegiate competitions
- They are given e-links of MOOCs on SWAYAM, NPTEL, NDL, Spoken Tutorial portals for listening to lectures on advanced topics.
- Advanced learners are informed about competitive exams and career pathways. They are advised to go through standard reference books in the library.

### Special Programmes for Weak Learners

- Advanced learners are given opportunity to represent the institution as anchors for various online programmes.
- Remedial classes/ difficulty sessions/ extra and special classes are taken regularly.
- Detailed Question wise feedback is given to weak learners on their performance in unit tests, semester exams/ university practicals.
- Peer teaching is employed by having advanced learners teach a few topics assigned for the benefit of weak learners.

Students are taught test taking strategies. Teachers help slow learners by administering Unit tests and assignments periodically.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2022	4248	327

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### 2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

The college provides a variety of learning experiences: •

- Students experience theoretical learning through related practicals. Also, field trips for science students facilitate observing and collecting data and specimens related to the subject.
- Students are involved in interactive learning, problem-solving exercises, group discussions, seminars, paper presentations, quiz competitions, workshops, role-play, etc
- Educational screenings in the classroom make subject learning interesting.
- The learning experience is upgraded by extensive use of ICT tools- PPTs, LCD, interactive boards by teachers, especially consequent to the COVID-19 pandemic and evaluated through mock tests, quiz, and online testing.
- Learning is made student-centric through project work, seminar presentations and assignments.
- Students often volunteer in conferences, seminars and workshops.
- Students are motivated to register on portals of e-learning like SWAYAM, NPTEL, NDL, Spoken Tutorials and the survey for registration was monitored through Google forms.
- The College Central Library provides internet facilities, access to texts, reference books, Educational CDs and DVDs.

- E-repository is available in the library along with subscription to the DELNET Database.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="#">0</a>

### 2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

- The college has prioritized the use of ICT in teaching-learning.
- Preparation of e-resources in various subjects in the form of PPTs, digital material, and top resource links has created a repository of knowledge, available to students in the departments and in the library compiled under Greenstone Digital Library.
- The Network Resource Centers cater to need of internet resources with facility for downloading, reprography and printing in library.
- Staff rooms and Central library have networked internet connections. Campus is wi-fi enabled.
- Classes, seminars, guest lectures, etc. using LCD projectors are conducted in available science laboratory spaces, and in AV Hall, Seminar Hall and the College auditorium, as needed.
- Faculties are enriched through training workshops on digital tools, online portals such as National Digital Library, SWAYAM, etc.
- Use of ICT by incorporating audio-visual material makes lessons visually interesting, positively impacting both the learning outcomes of students and their attendance.
- Some teachers now use of modern methods of teaching learning, such as Google sites and Google classroom, to implement 'flipped learning', posting and receiving assignments, post educational resources and materials, Google forms to evaluate students, etc.
- Use of ICT by incorporating audio-visual material makes lessons visually interesting, positively impacting both the learning outcomes of students and their attendance.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://excelinstitutions.com/excel_engg/digital-transformation-at-smart-classroom/">https://excelinstitutions.com/excel_engg/digital-transformation-at-smart-classroom/</a>
Upload any additional information	<a href="#">View File</a>

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

327

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

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 Institutional 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 of portion. 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

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full-time teachers against sanctioned posts during the year

345

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

63

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

1125

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

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

68

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

288

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

#### Continuous Internal Examination (CIE):

- Introduced Question Bank System for Continuous internal Examinations. Question papers are generated from the question Bank.

#### End Semester Examinations (ESE):

- Question papers are set by subject experts from different Higher Education Institutions like NITs, State Universities etc., as well as by identified internal faculty.
- Introduced the setting of hybrid version of question papers by selecting quality questions from the question papers set by external and internal subject experts.
- Auditing of question papers set by the external and internal subject experts to verify its specified standards as per the CoE norms.
- Introduced the system of "Revaluation" thus enabling the students to appeal for any discrepancies in the valuation.
- System of issue of photocopy of the answer script to the students' on-demand has been introduced enabling the student to verify the scheme of award of marks.
- Introduction of Outcome Based Evaluation model to enhance the quality of Assessment & Evaluation Process by following Blooms Taxonomy and Rubrics in evaluation, as well as addressing the gaps in the curriculum.
- Mapping of questions with the following in the internal examination question paper to ensure balanced cognitive levels of learning.
  - Blooms Taxonomy Levels.
  - Course Outcomes (COs).
  - Programme Outcomes (POs).

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://excelinstitutions.com/excel_engg/oerview/">https://excelinstitutions.com/excel_engg/o erview/</a>

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

Outcome Based Education (OBE) is a student-centric learning approach and is made mandatory to Higher educational institutes by all regulatory bodies like UGC, NAAC etc. It helps the students to acquire predetermined set of expected knowledge, skills, values or attributes. Programme outcomes (POs), Programme Specific Outcomes (PSOs) and Course outcomes (COs) are necessary for the flexibility and innovation in programme design, syllabi development, teaching-learning process and assessment of student learning levels.

The POs, PSOs, and COs are disseminated through Institute Website, Prospectus, Course file, Departments, Laboratories, etc. As a part of the Induction Programme, Institute apprises about POs, PSOs, and COs, and other academic details to the fresh batch of students of respective academic programs. Each Course Outcome is mapped to Program Outcomes in terms of relevance. Three levels of relevance are based on the degree of correlation i.e. 1 for low, 2 for medium and 3 for high correlation. The contribution of course to each PO is expressed in terms of the average relevance of COs mapped to that particular PO. The agreed-upon COs forms the basis for achieving POs and PSOs and thus contributing towards achieving the Mission and Vision of the Institute.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Link for additional Information	<a href="https://excelinstitutions.com/excel_engg/curriculum-syllabus/">https://excelinstitutions.com/excel_engg/curriculum-syllabus/</a>

#### 2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

At the end of each academic year, computation of POs attainment is done from the attainment of all curriculum components. Level of attainment computed for COs/PSOs/POs include both direct and indirect assessment tools. The PO and CO attainment is evaluated in the following way:

**Direct Method:** First three levels of learning like remembering, understanding and applying to some extent and fourth level of leaning by analyzing can be assessed by conducting standardized examinations (Semester End Examinations (SEE) where students are given limited amount of time. Internal Assessment Exam (IAE) and Semester End Examination (SEE) are the prime tools for evaluation of PO and CO attainment. The IAE matrix comprises of two tests, assignments, presentations, practicals and quizzes.

**Indirect Method:** Student Feedback on Curriculum is obtained and the same is shared with the department so that their feedback is discussed and relevant changes if any are made. PO is evaluated based on the performance of the students in terms of their progression to higher studies, qualification in competitive examinations and placement. Field visits conducted by departments



also add to the level of students. Students are encouraged to participate in all the curricular, co-curricular and extracurricular activities of College.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://excelinstitutions.com/excel_engg/curriculum-syllabus/">https://excelinstitutions.com/excel_engg/curriculum-syllabus/</a>

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

527

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="#">Q</a>

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

[https://excelinstitutions.com/excel\\_engg/wp-content/uploads/2023/07/Students-Satisfaction-Survey-2021-22-and-Action-Taken.pdf](https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/07/Students-Satisfaction-Survey-2021-22-and-Action-Taken.pdf)

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

- The Institute has a well-defined policy for promoting and incentivizing research. The faculty members are encouraged to undertake sponsored research and consultancy projects in order to strengthen the research profile of the Institute.

Research and Consultancy is carried in the energy, health, environment, manufacturing, communication, etc., These projects are very important for maintaining external and global linkages and are also a source of revenue for the Institute. With regard to sponsored research projects, the Institute has a well-crafted policy. As the Institute is fortunate of having bright and knowledgeable faculty, they are encouraged to take up consultancy projects. Such projects are immensely beneficial for the industry and they use it as a development tool. Further to above, the Institute has a Policy on Incentives for Research Publications. Excel Engineering College incentive policy for research is well defined for the benefit of the faculty members.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://excelinstitutions.com/excel_engg/about-the-centre-of-research/">https://excelinstitutions.com/excel_engg/about-the-centre-of-research/</a>
Any additional information	<a href="#">View File</a>

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

0

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	No File Uploaded
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

**3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year****14**

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.2 - Resource Mobilization for Research****3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)****19.22**

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.2.2 - Number of teachers having research projects during the year****10**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="#">NA</a>
List of research projects during the year	<a href="#">View File</a>

**3.2.3 - Number of teachers recognised as research guides****13**

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

10

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://www.tanscst.tn.gov.in/results">https://www.tanscst.tn.gov.in/results</a>
Any additional information	<a href="#">View File</a>

### 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

- Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge. Excel Engineering College provides enriching ecosystem for inculcating research and innovative approach amongst the students and staff by taking several initiatives at management and college level through financial, technological and infrastructural support and at faculty level by providing platforms through events, seminars, workshops, skill based courses and research publications, for creation and transfer of knowledge.

The initiatives taken are as follows:

- There is a research committee at college level for making policy related to research and innovation.
- The central library provides facilities for creation of knowledge and research support through reference books, research journals, encyclopedia, reading room, Digital library, Delnet, plagiarism software support.

- Spacious laboratories, computers, internet and all other ICT facilities available for all the departments.
- Under Institute Innovation Council various programmes like innovative project competitions, Hackathon, Debugging, Quiz, Poster presentation, exhibition and workshops at department as well as institute level are conducted.
- Through IRRP cell (Industrial Relation and Research projects) and EDC cell (Entrepreneur cell), industrial experts from reputed industries, scientists, entrepreneurs, Research scholars, members from NGOs are invited to visit the campus and share their experience and innovative ideas.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://excelinstitutions.com/excel_engg/about-the-centre-of-research/">https://excelinstitutions.com/excel_engg/about-the-centre-of-research/</a>

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

41

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4 - Research Publications and Awards

**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software**

**A. All of the above**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

#### 3.4.2.1 - Number of PhD students registered during the year

15

File Description	Documents
URL to the research page on HEI website	<a href="https://excelinstitutions.com/excel_engg/about-the-centre-of-research/">https://excelinstitutions.com/excel_engg/about-the-centre-of-research/</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

50

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

4

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/05/3.4.4_compressed.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/05/3.4.4_compressed.pdf</a>

### 3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

#### 3.4.5.1 - Total number of Citations in Scopus during the year

62

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

#### 3.4.6.1 - h-index of Scopus during the year

7

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

#### 3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

0

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	No File Uploaded
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.6 - Extension Activities

#### 3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

- Multifarious activities in the Institute involving the students with the objective of sensitizing various social issues and strengthening community participation for holistic development are carried out inside the campus under the banner of NSS.
- Women's Day is celebrated as part of Gender Sensitization programs. "International Yoga Day" is celebrated too for making the students mentally and physically fit.
- Following activities are undertaken to engage faculty, students, and staff in the neighborhood community, viz. SwatchBharat initiatives, NO to Plastic campaign, Tree



plantation, Health campus, Blood donation, Vaccination campus. In keeping touch with Swachh Bharat initiatives all across the country, students reached out to villagers near Komarapalayam, erode as part of the outreach programme.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://excelinstitutions.com/excel_engg/clubs-societies/">https://excelinstitutions.com/excel_engg/clubs-societies/</a>

### 3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

19

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

53

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

3084

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.7 - Collaboration

#### 3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

1228

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

42

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### INFRASTRUCTURE AND LEARNING RESOURCES

#### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

- The College is surrounded by peaceful green and silent environment conducive for quality education.
- There are 76 classrooms in which 44 with ICT facilities. There are more than 30 laboratories, 7 seminar halls and 6 browsing centers. Wi-Fi facility is available inside the campus. Spacious Auditorium is available for 3000 members.

There is an open-air stage, a conference room and store rooms.

- There are separate outdoor facilities for Football, hockey, cricket, volleyball, basketball, athletics and other track and field events.
- Basic amenities on college premises include separate staff and student parking, canteen, drinking water premises, first-aid, solar energy generation, CCTV cameras for security, fire safety and separate restrooms for boys, and girls.
- A fully computerized library uses AUTOLIB software and is well-equipped with a stack room, reading hall and network resource center. Its collection of books and resources, supplemented with various departmental libraries form a strong support system.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">NA</a>

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

- The College auditorium has been recently sound proofed for better indoor cultural programs. There is an open-air stage for flag hoisting and open air programs.
- Separate Gym is available for both boys and girls in hostel.
- Regular practice of Yoga and exercises are carried out in EEC by Excel College of Naturopathy & Yoga science.
- Indoor stadium-cum-sports complex having all modern facilities. It provides required space and facilities for a number of indoor games such Cricket and Football Tuff shuttle court, Table Tennis.
- Sports activities will be conducted every year inside the campus and the winners will get the accolades in the Annual Day through an eminent chief guest.
- Yoga Day is celebrated regularly, with online celebration for the past two years, with Yoga demonstrated by experts.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">NA</a>

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

44

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

369.88

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

##### 4.2.1 - Library is automated using Integrated Library Management System (ILMS)

**Data Requirement for last five years: Provide a description of library with**

1. Name of the ILMS Software: AUTO LIB 5.1
2. Nature of automation
3. Year of automation: 2007

The Central Library is fully automated with Integrated Library Management Software, AUTO LIB and 5.1 used for Circulation, Procurement, Online Public Access Catalogue (OPAC) and Project Repo. The library documents are bar-coded and books are issued to users by reading the barcode of the document. The holdings include the books

ajournals, question papers and project reports. The library can access publications of all major publishers like Elsevier, Springer, Taylor ICE, Emerald etc. The users can access around 27,000 E-books and 816 International journals. 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

**4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources**

**A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)**

**12.55**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

**4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)**

**4.2.4.1 - Number of teachers and students using the library per day during the year**

**426**

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

#### Software Installation and Licensing Policy

- Any computer purchase made by the individual departments/projects should make sure that such systems have all licensed software (operating system, antivirus software and necessary application software) installed. Respecting the anti- piracy laws of the country, college IT policy does not have any pirated/unauthorized software installation on the college owned computers and the computers connected to the college campus network.

#### A. Operating System and its Updating

- Individual users should make sure that respective computer systems have their OS updated in respective of their service packs/patches, through Internet. This is particularly important for

Windows based computers (both PCs and Servers). Checking for updates and updating of the OS should perform at least once in a week or so.

- College as a policy encourages user community to go for open source software such as Linux, office to be used on their systems wherever possible.

#### B. Antivirus Software and its updating

- Computer systems used in the college should have anti-virus software installed, and it should be activated at all times. The primary user of a computer system is responsible for keeping the computer system compliant with this virus protection policy.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

**4.3.2 - Student - Computer ratio**

Number of Students	Number of Computers
<b>2997</b>	<b>684</b>

File Description	Documents
Upload any additional information	<a href="#">View File</a>

**4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus****A. 750 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing****A. All four of the above**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

**4.4 - Maintenance of Campus Infrastructure**

**4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)****285**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

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 kept clean 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 equipment, 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 for 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.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

**STUDENT SUPPORT AND PROGRESSION**



**5.1 - Student Support****5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year****2227**

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year****500**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology**

**A. All of the above**

File Description	Documents
Link to Institutional website	<a href="https://excelinstitutions.com/excel_engg/iqac/#1617974294364-4631a027-f472">https://excelinstitutions.com/excel_engg/iqac/#1617974294364-4631a027-f472</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year**

1742

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

**A. All of the above**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>

## 5.2 - Student Progression

### 5.2.1 - Number of outgoing students who got placement during the year

437

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**5.2.2 - Number of outgoing students progressing to higher education**

31

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	No File Uploaded

**5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year****5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year**

16

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**5.3 - Student Participation and Activities****5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year**

8

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution****Students' participation in Academic Committees and 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.

#### 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' participate in Administrative Committees.

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 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.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

#### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

22

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumni network has a real life benefit for the students inside the campus. Alumni contribute their valuable time to offer career support to students inside the campus. They support in enhancing students exposure towards trends and requirement in industry and provide them competitive edges in today's challenging job market. Alumni meet is arranged often in our institution. Recently, Online alumni meet 2022 was organized on 13.08.2022 in google meet. Around 210 alumni participated in the event and it was a grand success. Everyone shared their industrial and Professional experience with their junior students. They also advised the students to develop their skill set in recent technologies used in the industry for the placement or higher studies. This session was very helpful and motivation for the students. Regular Alumni guest lecturers were organized in each department on various domains for the benefit of the students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://alumni.excelinstitutions.com/home.dz">https://alumni.excelinstitutions.com/home.dz</a>

**5.4.2 - Alumni's financial contribution during the year**

**D. 2 Lakhs - 5 Lakhs**

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

EEC Integrates cross cutting issues relevant to gender, environment and sustainability, human values, and professional ethics. Also EEC has provided different courses in the curriculum for the holistic development of students; through this courses

students will enhance global challenging environments and to inculcate general competencies like social ethical values, human values, environment sensitivity, etc.,

**Gender:** EEC incorporates Women Empowerment and Grievance Redressal Cell for the students to solve social and gender related issues facing in the society. Gender Equity Program is conducted once in a semester. **Environment and Sustainability:** EEC included the three credit course of "Environmental Science and Engineering" in the curriculum, for the sake of students to understand the ecosystem and to balance with the sustainability. **Human Values and Professional Ethics:** EEC added this "Professional Ethics and Human Values" elective course for the final year students to adopt, and to bring out the codes, moral duties and virtues applied to an organization. **Social Development Activities** like Blood Donation, Awareness Camp, Sapling Plant, Swatch Bharat, etc., is conducted once in a semester.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://excelinstitutions.com/excel_engg/about-the-institution/">https://excelinstitutions.com/excel_engg/about-the-institution/</a>

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Excel Engineering College believes in the implementation of the basic principles of management, aiming at achieving effectiveness and efficiency in the delivery of various education services to the students and all other stakeholders. In this endeavor, decentralization of decision making power, delegation of authority and responsibility, superior supervision and control are defined, implemented and monitored. The strategic processes set by the institution enables continual improvement in service quality leading to enlightened learning among students.

'Principal' is the head of the institution. Departmentation is defined on the basis of faculties of study and administration. Decentralization is effected from the heads of each department to their subordinates. The 'span' of control is purposively kept 'narrow' so as to ensure accountability at every level in the hierarchy. Objectives are defined for every position at every level in the hierarchy. So as to achieve the set objectives,

authority and responsibility are delegated along with the power of decision making and control. It is also ensured that communication is the 'two way process' and without any barrier at any level in the hierarchy.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/07/6.2.1.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/07/6.2.1.pdf</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

### Introduction

The institute has a perspective plan in tune with the vision and mission of the college. Perspective plan is developed on considering inputs from various stakeholders.

Outcome of Perspective plan of the Institution

NBA accreditation

NAAC "A+" accreditation

Research centre status

Permanent affiliation

2f and 12B Status

Outcome Based Education

Improved students participation in the co and extra-curricular activities

Scholarships

NBA accreditation process and deployment

Accreditation by NBA to four of our programs is one of the successful implementations of perspective plan based on the strategic plan.

Upon the recommendation of IQAC (after the NAAC cycle-1), we have improved in the following areas;

Teaching-Learning process

Research & Consultancy

Students Progression

Infrastructure development

Faculty development

Students and Society

Self appraisal and feedback system

Teaching-Learning Process:

Each department has developed the PEOs, PSOs and POs on looking at the vision and mission of the Institution/ Department. Mapping of COs and POs/ PSOs has been practiced and attainment has been calculated. The outcome based education (OBE) has been meticulously practised.

A regular internal 1 academic administrative audit (AAA) has been conducted in a regular frequency by the IQAC. The observation of the audit is discussed in the meeting.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/07/6.2.1.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/07/6.2.1.pdf</a>
Upload any additional information	<a href="#">View File</a>

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.



## Functions of Various Bodies

### 1. Functions of Governing Council

The Governing Council is being the supreme administrative authority of the Institution performs the following functions:

Monitors the academic and other related activities of the college.

Recommends Staff Selection Committee and accords the approval

Taking policy decisions with respect to the communications from the University, Government, AICTE, etc.

Monitors the Students and Faculty progress.

Recommends the Planning and Monitoring Board of the institution for implementation.

Approves the annual budget of the college.

### 2. Functions of Internal Quality Assurance Cell

IQAC was formed to ensure and promote the quality of education.

The progress of curricular, co-curricular and extra-curricular activities is monitored periodically by the IQAC. The coordinating team comprises of

Academic Coordinator

Teaching Coordinator

Activity Coordinator

Exam Coordinator

Research Coordinator

IIPC Coordinator

Website & News letter Coordinator

Alumni & Scholarship Coordinator

**Training & Placement Coordinator****3. Functions of Women Empowerment Cell**

Motivates the women students and staff to exhibit their skills in a holistic manner. Enquires the complaints received from the aggrieved women in respect of sexual harassment and suitable recommendation is forwarded to the Principal. The events are conducted related to the women empowerment. Suggestions are given regarding facilities/events for the betterment of women in the campus.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/07/6.1.2.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2022/07/6.1.2.pdf</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="#">0</a>

**6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination**

**A. All of the above**

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**6.3 - Faculty Empowerment Strategies**

**6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression**

The institution has well placed effective welfare measures for teaching and non-teaching staff. Welfare measures include various facilities, services and amenities provided for improving their

academic and career growth, health, efficiency, economic betterment and social status. The welfare measures followed in our Institution are

Faculty Members

Fees concession to the wards

Accident Insurance

50% concession in Transport

Gift during Diwali festival

Free medical consultation by the resident doctor

First aid and 24x7 ambulance service

12 days On Duty for Faculty Development and university assignment

15 days casual leave

21 days each in summer and winter vacation (Teaching)

7 days vacation (Non teaching)

5 days leave for marriage

50% Registration fee sponsorship for attending outside programs

Incentives for authoring books and publication in referred journals and reputed conferences

Organizing orientation program in every semester

Awards and rewards for meritorious work

Availability research centre facilities for pursuing Ph.D.

Maternity leave

Partly sponsored by college for the tour funded by staff club

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

**6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year**

**91**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

**6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year**

**40**

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)**

**310**

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

### 6.4.1 - Institution conducts internal and external financial audits regularly

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/ equipment, computers, stationeries, books etc.
- Maintenance of accounts towards construction, computer, lab equipment, landscape, hostel mess, transportation etc.

External Audits at the end of the 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.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	No File Uploaded
Any additional information	No File Uploaded

#### 6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The major source of income for the college is through fee collection. The trust takes care of capital expenditure on infrastructure and functional expenditures. Proper utilization of financial resources is planned at the beginning of every academic year. Finance department is responsible for mobilization of funds through collection of tuition fees.

The finance department is also responsible for optimal deployment of funds on the payment towards salary, tax, suppliers, contractors, service providers etc.

Every department submits the budget proposals based on the requirements planned for the academic year.

This is consolidated at the college level and submitted to the management for the approval. Based on the budget sanctioned, funds are released on priority basis. Every financial transaction is recorded and updated in the centralized accounting system.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="#">0</a>

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Internal Quality Assurance Cell (IQAC) contributed to assure the quality continuously through Academic Administrative Audit (AAA) process and to enhance student's performance through mentoring system.

Based on the recommendations of the IQAC, the Institution has upgraded the quality in every vertical for the development.

### 1. IQAC Academic and Administrative Audit

Periodic Academic Audit is carried out to ensure the quality in teaching-learning process.

#### Objectives

To ensure the effectiveness in course delivery, assessment methods and attainment of COs and POs .To ensure the quality process in the administration

#### Structure of Academic Audit

Academic IQAC audit are conducted to assess the academic process towards the attainment of COs & POs and to improve the teaching-learning process. Internal audit is conducted by a team of members comprises of senior faculty members of other departments. IQAC facilitates the audit format to the auditing team.

Once the IQAC completes Audit format, the report is discussed with respective HOD and one week time frame is given to the respective department to ratify the observation. Upon the ratification, the report is submitted to the IQAC and gives

suitable recommendations for improvement.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

**IQAC of the Institution has brought the following reforms in the Teaching-Learning Process;**

**Feedback System**

**Outcome based Education System**

**Teaching pedagogy in learning environment**

**Skill based learning process through participative learning method**

**Feedback System**

**Structures & Methodologies of Operations**

**IQAC has implemented a structured feedback mechanism for analyzing the effectiveness of the teaching learning process through**

**Class committee meeting**

**End semester feedback**

**Informal feedback from the students**

**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 received on non-academic grievances such as infrastructure, transportation, hostel, food, activities are solved.**



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 teaching-learning process.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">0</a>

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/07/15th-Annual-day-2021-22.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/07/15th-Annual-day-2021-22.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## **INSTITUTIONAL VALUES AND BEST PRACTICES**

### **7.1 - Institutional Values and Social Responsibilities**

**7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year**

## 1. Safety and Security

### (a) Class room and laboratories

Institution has more than 40% of female faculty members, lady attenders and sweepers. Each department has a complaint box for the grievances to be redressed.

### (b) Hostel and Transport safety and security

Ladies hostel is housed inside the campus with vigilant security guards round the clock to maintain the safety and security of girl students. The institution runs more than 59 buses in various routes for day scholars. Additional transport is provided to the students those who are involved in curricular and extra-curricular activities beyond the college hours.

### (c) Cyber safety

The College premises, laboratories and corridors are under CCTV surveillance to ensure effective safety of the students. Internet is available to the students and staff on basis of 24x7, systems are protected with TACITINE firewall.

## 2. Counseling

Mentors are allocated to the students to counsel their academic and personal problems to create fearless environment. Counseling is given to the students during mentor hour (9.20am- 9.30am).

3. Common Rooms and medical care Common rooms are available for both boys and girls. Magazines and newspapers are made available in the common room. Medical facilities like first aid box are kept for emergency.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://excelinstitutions.com/excel_engg/iqac/#1617974294364-4631a027-f472">https://excelinstitutions.com/excel_engg/iqac/#1617974294364-4631a027-f472</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy                      Biogas**

**B. Any 3 of the above**

plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

#### Solid waste management

Solid waste management is the process of collecting, treating and disposing of solid materials to make the environment conducive for survival and retaining the natural setting which is taken care by the Institution. Proper collection of droppings from the trees and plants are converted into manure for fertilization. Food and vegetable wastes from mess and canteen are collected and fed to the animals inside and outside the campus.

#### Liquid Waste Management:

Due to the increase of water usage, the volume of sewage increases and safe disposal of sewage has become a cause of concern. Our Institution has two sewage treatment plants (STP) to recycle the waste water. To ensure effective utilization of waste water, the lawns, saplings and trees in the campus are watered after recycling. Well constructed drainage system is in the form of closed collection tanks prevails in our campus.

#### E-Waste Management:

Disposal of e-waste is an emerging global environmental and public health issue and has become the most rapid growing segment of formal municipal waste stream in the world.

E-waste from the computer hardware, electronic equipments etc., are normally weeded out by the institute periodically to the external vendor.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

**A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

- 1.Restricted entry of automobiles**
- 2.Use of bicycles/ Battery-powered vehicles**
- 3.Pedestrian-friendly pathways**
- 4.Ban on use of plastic**
- 5.Landscaping**

**A. Any 4 or All of the above**

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

**7.1.6 - Quality audits on environment and energy undertaken by the institution**

**7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:**

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions/awards**
- 5. Beyond the campus environmental promotional activities**

**A. Any 4 or all of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	<a href="#">View File</a>

**7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

**B. Any 3 of the above**

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	<a href="#">View File</a>

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The institution believes in equality of all cultures and traditions. In evidence to this, the students belonging to different caste, religion, regions across PAN India including foreign nationals are admitted without any discrimination. Though the institution has diverse socio-cultural background and different linguistic, we do not have any intolerance towards cultural, regional, linguistic, communal socio economic and other diversities. In order to facilitate this process, various national cultural festivals such as Pongal, Onam, Holi, Dusshara, Ayudha pooja, Christmas, Ramzan , etc. are celebrated in the campus. In addition to this, birth anniversaries and memorials of great Indian personalities like Mahatma Gandhi, Sarvepalli Radhakrishnan, APJ Kalam, etc are organized in the campus making all the students to participate in the grand celebration.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

The institution sensitizes the students and the employees to the constitutional obligations about values, rights, duties and responsibilities and constantly works upon to nurture them as better citizens of the country through various curricular and extra- curricular activities.

The college curriculum is framed with courses like Professional Ethics, Value Education as a small step to inculcate ethical values among the students.

The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and everyone should obey the conduct rules. The institution encourages participation of students in Sports and Games, NCC and NSS at National level to strengthen nationwide bond and relation. The institution takes pride for rising up successful leaders among the students by conducting the department Association election to select Vice President. Students and Staff members participate in the national celebrations, Flag Day and take oaths for the cause of the nation. The institution takes many initiatives like conducting awareness campaigns, organizing orientation programmes, training programmes, seminars and workshops to sensitize the future leaders to inherit human values coping with the constitutional obligations.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized**

**A. All of the above**

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

National festivals are celebrated with enthusiasm. Our students are on a mission towards better India. They come together breaking the boundaries of religion and caste. The cultural, ethnic and religious diversity in India has given rise to myriad festivals that are celebrated with unparalleled enthusiasm by students. Here is the list of festivals celebrated in the campus;

- New year is celebrated with greater aspiration
- Pongal/ Makar Sankranti, a celebration of farmers who pray for an abundant agricultural wealth.
- Maha Shivarathri is celebrated to remember the end of ignorance and darkness of the human condition, destroyed by the eternal wisdom of Shiva.
- Holi festival marks the beginning of spring and festival of colors
- Easter is celebrated to recognize the resurrection of Jesus Christ after his crucifixion
- Eid al-Fitr is celebrated at the end of the fasting month of Ramzan.
- Raksha Bandhan is a festival celebrated to induce the unity of brother and sisterhood
- Onam, a harvest festival celebrated by the Malayalis
- The Navarathri Durga Pooja is performed in the campus for 7 days.
- Ayudha pooja is celebrated in the campus in a grand way
- Christmas celebrations are arranged in the campus.



File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

### BEST PRACTICE - 1

#### 1. Title of the Practice

Outcome Based Education (OBE) in Teaching-Learning Process

#### 2. Objective

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.

#### 3. 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.

#### 4. 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.

File Description	Documents
Best practices in the Institutional website	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2021/04/18-191.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2021/04/18-191.pdf</a>
Any other relevant information	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/07/7.2-Best-Practices.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/07/7.2-Best-Practices.pdf</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

#### Distinctiveness - Diversity of Students

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 consists of their reading level, athletic ability, cultural background, personality, religious beliefs, and the list goes on. There has always been diversity in the classroom, but it is important to embrace it and make positive use of it. Implement a "zero tolerance" for anything that is disrespectful, hurtful or intolerant of diversity.

## 2. Learning Culture, Location and Ambience

The atmosphere in the classroom reflects the importance of the work undertaken by both students and faculty members. English is the medium of instruction. Food menus are prepared according to their willingness.

Important festivals of their states are celebrated in the campus. Students are allowed to wear traditional dresses.

Group of institutions have different courses inside the campus and interacting with a diverse group of people provides many opportunities to learn from others.

File Description	Documents
Appropriate link in the institutional website	<a href="https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/07/7.3.1.pdf">https://excelinstitutions.com/excel_engg/wp-content/uploads/2023/07/7.3.1.pdf</a>
Any other relevant information	<a href="#">View File</a>

### 7.3.2 - Plan of action for the next academic year

- Participation and secure National level institutions Ranking: Faculty members are informed to improve their research publications, projects proposals funding, participation in different activities like FDP, STTP, industry tie ups, industrial training and internships. Also students are motivated to participate in extra curricular and co-curricular activities.
- Industrial Training for faculty members: Excel Engineering college has signed MoU with different leading industries. The main objective is to improve the industry institute interaction and provide the knowledge on latest technologies for faculty members and students.
- Industrial Projects: Students are encouraged to take more industrial projects to accomplish the societal needs.
- International collaboration: Excel Engineering College provides opportunities for international collaboration since this is the place of multicultural.
- Improve the number of research projects: Faculty members are motivated to apply for different project funding proposals by considering
- Center of excellence for all departments: All the departments are informed to identify the strength of the faculty members. Based on that centre of excellence can be

established soon.

- To publish minimum of 5 patents.
- Convert all the UG and PG students Projects to patents.
- More participation in hackathon and Ideathon.
- More startup and entrepreneurship activities.
- MoU with reputed industries.
- Placements in Core industries.
- Publish more research papers in International Conferences and Journal.
- Strengthening the Alumni database and their contribution at the departmental level.