



YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	Dhanalakshmi Srinivasan Engineering College
• Name of the Head of the institution	Dr K Elangovan
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04328220333
• Alternate phone No.	04328220333
• Mobile No. (Principal)	9585594581
• Registered e-mail ID (Principal)	principal@dsengg.ac.in
• Address	Thuraiyur Road, Perambalur
• City/Town	Perambalur
• State/UT	TamilNadu
• Pin Code	621212
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	21/08/2020
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr B Karthiga				
• Phone No.	9443412750				
• Mobile No:	9443412750				
• IQAC e-mail ID	iqacdsec1@dsengg.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://dsengg.ac.in/2019/aqar20-21.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:					
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A	3.05	2015	03/03/2015	31/12/2025
6.Date of Establishment of IQAC			14/03/2014		
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.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Nil	Nil	Nil	Nil	Nil	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				
9.No. of IQAC meetings held during the year	3				
• Were the minutes of IQAC meeting(s) and compliance to the decisions taken	Yes				

uploaded on the institutional website?	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
10. Did IQAC receive funding from any funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	
11. Significant contributions made by IQAC during the current year (maximum five bullets)	
IQAC has helped the stakeholders and conducted orientation for implementing NEP-2020	
IQAC has initiated reforms in the teaching-learning process to achieve Outcome Based Education (OBE) in the institution.	
IQAC has successfully guided the departments to conduct the Workshops in the Quality improvement in HEI and usage of modern pedagogy tools.	
IQAC has created a frame work and extended complete support to departments in preparing the SAR for NBA accreditation. IQAC has created the process for Academic and Administrative audits	
IQAC Organize Skill development programme help the students to learn the essential skills of their programme	
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:	

Plan of Action	Achievements/Outcomes				
To conduct Academic Audit.	The Academic audit is being conducted periodically.				
To establish the Memorandum of Understanding.	Five departments (Aero, BME, ECE,EEE & Food) has been signed MoU's with Industries to build Industry Instituted Partnership.				
To Promote quality education through Outcome Based Education (OBE) System.	It has been attained and achieved the OBE system in our Institution.				
To improve Placements the various training initiatives planned.	Conducted Technical Training, Aptitude Training and soft skills by the external vendors and trainees.				
13.Was the AQAR placed before the statutory body?	Yes				
<ul style="list-style-type: none"> Name of the statutory body 					
<table border="1"> <thead> <tr> <th>Name of the statutory body</th> <th>Date of meeting(s)</th> </tr> </thead> <tbody> <tr> <td>Academic Council</td> <td>11/05/2021</td> </tr> </tbody> </table>		Name of the statutory body	Date of meeting(s)	Academic Council	11/05/2021
Name of the statutory body	Date of meeting(s)				
Academic Council	11/05/2021				
14.Was the institutional data submitted to AISHE ?	Yes				
<ul style="list-style-type: none"> Year 					
<table border="1"> <thead> <tr> <th>Year</th> <th>Date of Submission</th> </tr> </thead> <tbody> <tr> <td>2021-22</td> <td>30/12/2021</td> </tr> </tbody> </table>		Year	Date of Submission	2021-22	30/12/2021
Year	Date of Submission				
2021-22	30/12/2021				
15.Multidisciplinary / interdisciplinary					
<p>This multi-discipline approach towards the building of a better future for our students is a unique feature of Dhanalakshmi Srinivasan Engineering College through which the college contributes to society by the creation of a future ready workforce. A distinctive feature of Dhanalakshmi Srinivasan Engineering College is the sustained effort of its IQAC towards curriculum</p>					

enrichment through interdisciplinary and multidisciplinary activities as they provide a social context and perspective to the teaching-learning process and an opportunity to broaden the knowledge gained from regular curricular activities. Recognizing the future paradigm shift of higher education towards a multidisciplinary model, as envisaged in the new education policy of the government, this endeavour of the IQAC reflects foresight and prepares the institution for seamlessly adopting the new policy, when implemented.

16.Academic bank of credits (ABC):

In preparation for implementing the Academic Bank of Credits (ABC), our Institute is actively aligning its systems to accommodate this innovative credit transfer mechanism. We are restructuring our curriculum frameworks, and developing standardized credit evaluation criteria. Faculty members are being trained to effectively evaluate and award credits for both traditional and non-traditional learning experiences. Additionally, information technology infrastructure is being upgraded to ensure secure storage and retrieval of credit data. The institutional preparedness aims to establish a robust ABC system that facilitates credit mobility, empowers learners with lifelong learning opportunities, and fosters collaboration among diverse educational entities.

17.Skill development:

Learning is the most essential tool to enhance the socio-economic growth of not only an individual but also of the entire nation. The higher education of 21st century faces several challenges in providing skill-centric learning, meeting the needs of the industry and society in the global platform. To confront such challenges, Dhanalakshmi Srinivasan Engineering College has established Centre for Skill Development in collaboration with NSIC (MSME) which aims to upgrade skills to international standards through significant industry participation and develop necessary frameworks of standards for quality assurance. Along with the outstanding academic learning, students in our institution are practically oriented with the different skill sets, bridging the gap between the academics and the industrial, societal needs. Detailed description of group is listed below: Health & Fitness: Orient and accelerate learners to pay attention towards health, fitness and to live a healthy life. Social Course: Cultivating the relationships and functioning of the society with government, economics, civics and sociology Service to Society: Inculcate the essence of Service to Humanity based on solidarity, sharing and brotherhood and create a sense of oneness. Skill course: Impart essential computing/ language / proficiency skills gaining

confidence towards active participation in administering the role. Technical Expertise: Instilling Capacity building skills that lead to implementation/ design of products, solution. Employability skills: Fostering career path across wide sectors beyond qualifications and experience.

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

Traditional knowledge or local knowledge is a record of human achievement in comprehending the complexities of life and survival in often unfriendly environments. Traditional knowledge, which may be technical, social, organisational, or cultural, was obtained as part of the great human experiment of survival and development. We have planned to integrate the Tamil Knowledge and Heritage of Tamil in the Curriculum on par with the Anna University in the forthcoming regulation.

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

The outcome-based approach is completely student-centred, which focuses on what students know and can actually do. Sharpening the focus onto student learning outcomes goes beyond mere tinkering with traditional structures and methods; it really constitutes a paradigm shift in educational philosophy and practice. Outcome based education is an educational methodology where each aspect of education is organized around a set of goals (outcomes). Students should achieve their goal by the end of the educational process. Throughout the educational experience, all students should be able to achieve their goals. It focuses on measuring student performance through outcomes. The OBE maps & measures the student performance at every step. The OBE model aims to maximize student learning outcomes by developing their knowledge & skills. Outcome-Based Education (OBE) is a student-centric teaching and learning methodology in which the course delivery, assessment are planned to achieve stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels.

20.Distance education/online education:

Not applicable to our Institution

Extended Profile

1.Programme

1.1 21

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 3913

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 837

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 3869

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 548

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 408

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1	21
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1	3913
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	837
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	3869
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3. Academic

3.1	548
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	408
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	408
Number of sanctioned posts for the year:	
4.Institution	
4.1	374
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	102
Total number of Classrooms and Seminar halls	
4.3	1000
Total number of computers on campus for academic purposes	
4.4	57494267
Total expenditure, excluding salary, during the year (INR in Lakhs):	

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.

Our Curriculum is designed on par with Anna University Curriculum and being an Autonomous Institute we have an Academic Flexibility. We have incorporated the courses into the curriculum based on the recent technological advancements. Apart from the technical level, we focused on Skill Development courses to enhance the skill level of students. We are following outcome based education in which all course outcomes are designed, based on Programme outcomes,

Programme Specific Outcome and Stakeholders Recommendations. The courses are mapped with PO and PSO's. The curricular programmes was structured including basic engineering sciences, humanities and social science, Professional Core, Professional Elective, Open Elective and Employability Enhancement course. Students are provided with an option to flexibly select their elective subjects. The curriculum of all UG and PG courses includes CGPA courses and non CGPA Courses. Categorization of course helps the students to equip themselves in core subject and other skill-oriented activities. The curriculum and syllabus is reviewed by Board of Studies and approved by Academic Council.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	http://dsengg.ac.in/dsengg-academi-ug-computerscience.php

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

15

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

42

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

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

320

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

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

21

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

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

AICTE has prescribed a number of mandatory courses, with a strong

emphasis on social studies. The skill course is an interdisciplinary course that integrates environmental science, gender issues, and human rights. It is accessible from undergraduate second-year students. Such courses were introduced in order to instill ethical values in students during the course of their studies. Additionally, all departments' cocurricular activities emphasise the importance of ethics, gender, human values, the environment, and sustainability.

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	View File
Any additional information	View File

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

9

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

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

452

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

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

832

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

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	http://dsengg.ac.in/dsengg-academic-cell-internalqual.php
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

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	http://dsengg.ac.in/dsengg-academic-cell-internalqual.php
Any additional information	View File

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

1172

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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)

374

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

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.

The slow and fast learners are identified based on their overall performance in university exams and internal assessment. The counsellor regularly monitor the progress of their students. The class teachers along with counsellors assess the progress of the students after every Assessment test and the parents are intimated through letter. Student performance (Assessment marks, attendance percentage and university results) is intimated to parents through the progress report (by post) twice the semester.

Support offered to slow-learners

Constant monitoring and interaction by mentors help to encourage, and arrange special classes by the faculty members and the peers. Mentors are available and accessible to the students to interact with one-to-one. Conduct workshops or seminars focused on improving study skills, time management, note-taking, and test preparation techniques. Learning materials, including textbooks, online resources, and lecture materials, are accessible to slow-learners. Faculty members conducts Remedial Classes and provide university question bank, discuss the ways of presenting the answers in the examinations. Collaborative learning experiences, such as group projects or study groups, where slow-learners can work with peers to enhance their understanding of course material. Collaborative learning allows for shared knowledge, peer support,

and the opportunity to learn from others' perspectives. Bridge courses are also conducted for courses based on the requirement. Special Programs are organized for the benefits of students by counseling cell coordinators.

Advanced Learners are motivated to participate at the events and to get University rankholders

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/dsengg-academi-ug-electricalcommu.php

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
23/06/2021	3869	408

File Description	Documents
Upload any additional information	View File

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:

College provides an effective platform for students to develop the updated skills, knowledge, attitude, values to shape their behavior with professional ethics. All departments conduct innovative programs which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and also ensures participative learning. The institute organizes Tech Day in which students showcase their learning in the form of innovative ideas. Also, students are motivated to participate in intercollege as well as national level competitions. The institute focuses on the student-centric methods of enhancing lifelong learning skills of students. Faculty members make efforts in making the learning activity more interactive by adopting the more student-centric methods.

File Description	Documents
Upload any additional information	View File
Link for additional Information	http://dsengg.ac.in/pdf/TECH-DAY.pdf

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

ICT TOOLS

Use of ICT tools helps a faculty member to engage students in effective learning and enables learning beyond the classroom.

Every classroom at our institute is equipped with an interactive projector, Audio and Video system with an internet facility. Classrooms facilitate the instructor and students to use both ICT tools enabled learning and conventional chalk-talk learning.

Online resources

All the faculty members are encouraged to use online resources to improve the teaching-learning process. Every faculty member had a practice of pursuing an online course every semester related to the course which makes them be updated. This helps the faculty members to prepare well for lectures.

Use of NPTEL videos and conceptual videos add value to our teaching-learning process.

Use of virtual lab (hosted by IIT), simulation tools and software make the students get insight knowledge on the subject.

Learning Management System (LMS)

Encouraging the students to learn beyond the classroom environment is achieved in our department by using Learning Management System (LMS). Google classroom is created for all the courses through which the student scan access learning resources at anytime.

Innovative learning methods are initiated and implemented by the faculty for students to learn in a better manner.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://classroom.google.com/u/2/c/NDc0Mzg2ODcyMDcx
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

373

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

Adherence to the academic calendar

Considering the list of Government holidays, Calendar of department events, Internal Test Schedule and the University calendar, the tentative institute academic calendar is charted by IQAC with due approval from the Principal. After which, the implementation of the same is cross checked by the Academic Audit committee whether the Department activities align with the Academic Calendar. If any discrepancy or any holidays due to natural calamities, compensation working day will be scheduled.

Course Plan

Design of course plan is inclusive of Syllabus, Objective of a course and individual units learning outcomes, list of references (Text, Reference Books and Web resources), usage of teaching aids, planning of assessment tests and assignment submission, details of assignment topics, content beyond syllabus, (if identified). The course instructors are instructed to prepare the course plan in prior to the commencement of the semester for the allotted courses. It is prepared for both the theory and laboratory

courses. The dispatch of the course plan to the students from day one for strict adherence to the same is made. The motivational perspective of the course instructor is enriched and students focus on the course is also built up by course plan itself. The teaching-learning process is reviewed based on the data recorded in the Log book by the Head of the Department.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

408

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
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

48

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	View File
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)

1875

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

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

54

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

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

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

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

IT integration is used throughout the examination process, from the pre-examination steps of creating a list of eligible candidates, assembling teams of invigilators, creating attendance sheets, and logistics to the post-examination steps of recording attendance on the day of the exam, tabulating the results after external evaluation, granting certificates, etc. On notice boards, timetables are posted. The Controller of Examinations oversees the examination procedure along with a group of members from the

Examination Committee. The attendance sheets and answer booklets are given to the invigilators.

The Chief Superintendents of Examinations will send the question papers to the exam rooms in the strictest of confidence, and after the exam, the invigilators will collect the booklets and turn them in to the Controller of Examinations. The theory and practical portions of the semester's final exam will each carry 100 marks. Exam Cell publishes grade lists with the necessary security features. Anna University has issued final degree certificates. A greater degree of flexibility in continuous assessment techniques offers the chance to raise internal marks.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://dsengg.ac.in/dsengg-examination-rulesandregulation.php

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

Curriculum compliance is systematic analysis of curriculum, prescribed by University, to identify the degree of competency of syllabi and its contents for attaining the Program Outcomes and program specific outcomes.

The Department Quality Improvement Committee (DQIC) carries out the study/investigation to reveal whether the syllabi and its contents intentionally and systematically provide students with opportunities to attain the appropriate knowledge, skill and attitudes. This process helps to identify the gap between University curriculum and Program Outcomes. The identification leads to rectification / remediation.

The procedural training towards Outcome Based Education (OBE) was imparted to the course instructors. Relevant courses are collected based on its contents and grouped them as modules. For each course, the knowledge level of course contents is identified using Revised Bloom's taxonomy and corresponding course outcomes are formulated. Curriculum compliance may be verified by organizing the information into a matrix (course-PO matrix) which maps each one to the other.

Mapping involves making collective judgments', by DQIC about the link between the course outcomes (COs) and the program outcomes (POs). Mapping not only provides the information of whether curriculum meets the academic and/or professional benchmark requirements (POs) but also manifests the way and possible level of attaining the POs by curriculum.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	http://dsengg.ac.in/dsengg-academi-ug-electricalcommu.php

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

The Program Educational Objectives (PEOs) are established to guide the programme and prepare the graduates to achieve career and professional accomplishments. The PEOs are further transformed into specific student performance and behaviors that demonstrate student learning and skill development as Program Outcomes (POs). Program Outcomes (POs) are clearly and unambiguously defined. As our college is affiliated to Anna University, We follow the curriculum prescribed by Anna University. All courses have their own course outcomes. Each course outcome is mapped to relevant POs and PSOs. Achieving course outcomes is the direct way of accomplishing program outcomes. In this context, the teaching-learning process and assessment methods are implemented in such a way to achieve the COs. Our college is aware that Teaching - Learning process is crucial part of outcome based education and implements / employs as the set of activities engaging with students to enable them to acquire the knowledge, skills and attitudes. Student-centered and practical oriented lectures, tutorials, collaborative learning, independent learning, peer teaching approaches with integration of appropriate teaching aids, and teaching materials are the educational strategies selected to support the learning outcomes.

Attainments procedure as attached below in the document.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

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

821

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	Nil

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

<http://dsengg.ac.in/pdf/SSS-Questinnaire-Students.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

At our Institution, research is the driving force behind our mission to advance knowledge and solve real-world engineering challenges. To ensure that our researchers have access to the best resources, our research facilities are regularly updated and equipped with cutting-edge technologies. State-of-the-art laboratories, advanced equipment, and specialized software enable our students to conduct experiments, simulations, and analyses at the forefront of their respective fields.

Our institution takes great pride in its transparent and well-defined policy for the promotion of research. The policy is openly available on our institutional website, detailing the criteria for evaluation, benchmarks for excellence, and the process for career progression based on research achievements. This clarity ensures fairness, objectivity, and equal opportunities for all researchers to be recognized and rewarded for their contributions.

With this promotion policy in place, a vibrant research culture thrives within our institution. Faculty members are motivated to pursue innovative research, collaborate across disciplines, and publish in reputable journals. The outcomes of our research endeavors not only contribute to academic excellence but also have practical applications, impacting industries and communities alike. As a result, our Institution remains a pioneer in groundbreaking research, shaping the future of engineering and inspiring the next generation of engineers and innovators.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	http://dsengg.ac.in/2018/placement/HR%20Manual.PDF
Any additional information	No File Uploaded

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)

123000

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
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

5

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
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)

222500

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

5

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.tanscst.tn.gov.in/rails/active_storage/disk/eyJfcmFpbHMiOnsibWVzc2FnZSI6IkJBaDdDRG9JYTJWNVNTSWRTMnRoTVVoTlVWVWmpZVlJ0Y2tkMFVUUmFNbGhIWVZaNUJqb0dSVlE2RUdScGMzOnZjMmwwYVc5dVNTSnJhVzVzYVc1bE95Om1hV3hsYm1lGdFpUMGlVMVJETFdObGJuUmxjbk10TWpBeU1TMHlNaUFsTWpneEpUSTVMbkJrWmlJN0lHWnBiR1ZlWVcxBEtqMVZWRVl0T0NjblUxUkRMV05sYm5SbGNuTXRNakF5TVMweUlpVXlNO1V5T0RFbE1ga3VjR1JtOmpzRlZEblJZMjllZEdWdWRGOTBlWEJsU1NJVVlYOnDiR2xqWVhScGIyNHZjR1JtOmpzRlZBPT0iLCJleHAiOiIyMDIzLTA3LTI1VDExOjM0jUwLjlxMFoiLCJwdXIiOiJibG9iX2tleSJ9fQ==--ce2d0fb4led4a7bf15028f89b4fe90741c10f894/STC-centers-2021-22%20(1).pdf?content_type=application%2Fpdf&disposition=inline%3B+filename%3D%22STC-centers-2021-22+%25281%2529.pdf%22%3B+filename%2A%3DUTF-8%27%27STC-centers-2021-22%2520%25281%2529.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

3

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

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

5

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.tanscst.tn.gov.in/rails/active_storage/disk/eyJfcmFpbHMiOnsibWVzc2FnZSI6IkJBaDdDRG9JYTJWNVNTSWRTMnRoTVVoTlVWWmpZVlJ0Y2tkMFVUUmFNbGhIWVZaNUJqb0dSVlE2RUdScGMzQnZjMmwwYVc5dVNTSnJhVzVzYVc1bE95Qm1hV3hsYm1GdFpUMGlVMVJETFdObGJuUmxjbk10TWpBeU1TMHlNaUFsTWpneEpUSTVMbkJrWmlJN0lHWnBiRlZlZWVcxBEtqMVZWRVl0T0NjblUxUkRMV05sYm5SbGNuTXRNakF5TVMweU1pVXlNQ1V5T0RFbE1ga3VjRlJtQmpzRlZEblJZMjllZEdWdWRGOTBlWEJsU1NJVVlYOnDiR2xgVWhScGIyNHZjRlJtQmpzRlZBPT0iLCJleHAIoiIyMDIzLT A3LTI5VDExOjMlOjUwLjlkxMFoiLCJwdXIiOiJibG9iX2tleSJ9fQ==--ce2d0fb41ed4a7bf15028f89b4fe90741c10f894/STC-centers-2021-22%20(1).pdf?content_type=application%2Fpdf&disposition=inline%3B+filename%3D%22STC-centers-2021-22+%25281%2529.pdf%22%3B+filename%2A%3DUTF-8%27%27STC-centers-2021-22%2520%25281%2529.pdf
Any additional information	No File Uploaded

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.

Our college has established a remarkable ecosystem for innovation and knowledge transfer. With dedicated management support, an entrepreneurship cell, and industry collaborations, fosters a culture of creativity and practical learning. The institution's community orientation drives students and faculty to work on projects that address local challenges, creating a positive impact on the rural population. The incubation center provides crucial support to aspiring entrepreneurs, nurturing their ideas into successful ventures. Innovation challenges and networking events further enhance students' exposure and confidence. Despite being in a rural setting, the college's commitment to excellence and relevance ensures that students are well-prepared for real-world engineering challenges and are equipped to contribute to the development of their rural community and beyond.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/index.php

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

31

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

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

C. Any 2 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	View File
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

0

File Description	Documents
URL to the research page on HEI website	http://dsengg.ac.in/dsengg-academic-comm-research.php
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

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

95

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

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

43

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

215

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

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

6

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

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	View File
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	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
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

In our college, students were engaged in extension activities that focused on social issues and their holistic development. Throughout the year, they participated in projects addressing challenges such as sustainable infrastructure and clean energy. Additionally, students took part in "Extension activities," living in nearby communities to experience their realities firsthand.

The institution encouraged clubs centered around social causes, organizing workshops and awareness campaigns on education, digital literacy, and the environment. These activities not only shaped students into socially responsible citizens but also had a positive impact on the neighboring communities, improving living conditions and awareness.

Overall, the institution's approach to extension activities fostered socially conscious engineers, making a meaningful contribution to society's well-being.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

2

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

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)

15

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

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

1580

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

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**

104

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

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)

19

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
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 modern facilities required for the effective teaching - learning process is more than adequate and they exceed the minimum specified requirements by the various statutory bodies. State of the art laboratories are made available for all the programme. Every Department has a provision for ICT enabled classrooms. As physical infrastructure is vitally tied to the college's vision, the institution assures its availability and best uses it. To "create a pedestal for the students' innate innovation, teamwork, originality, and competence, expose them to global challenges, and help them become leaders in the Indian vision of modern society." After reviewing the course requirements, the computer-to-student ratio, the budgetary boundaries, the operational condition of the existing equipment, a need assessment for replacement, up-gradation, or addition of the existing infrastructure is carried out at the beginning of the academic year based on suggestions from the Heads of departments, lab technicians, and system administrators. The Department heads anticipates all needs for facilities, including furnishings, labs, and other equipment. Educating academics on the usage of new technology through workshops, awareness campaigns, and training programmes ensures the best possible deployment of infrastructure. By employing sufficient and highly qualified lab workers and system administrators, effective infrastructure utilisation is ensured. The promotion of creative teaching and learning methods ensures

maximum utilisation. In order to conduct certificate programmes, co-curricular activities, parent-teacher meetings, campus recruitment training classes, seminars, conferences, etc. outside of regular college hours, how well is the physical infrastructure used.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/dsengg-campus-laboratory-ece.php

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

Sports and extracurricular activities are integral parts of the Institute's Skill Courses. This is done to assess students as well as encourage engagement. For sports, games, and cultural events, we offers suitable facilities. Students have participated in the various such cultural events organised by other Universities, both at the state and national level and brought several accolades to the Institute. The institution features three sizable playgrounds with space for a variety of sports, including basketball, volleyball, cricket, football, hockey, and kho-kho. Facilities for gymnasiums and tennis courts are available on another field. Functions and cultural activities can be organised in well-equipped auditorium. For students, intra- and inter-facility games as well as sporting tournaments are regularly scheduled each year. Facilities for outdoor and indoor sports and games include badminton, volley ball, basketball, carrom, table tennis, and chess. To compete in Zonal and Inter-Zonal students receive specialised training.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/dsengg-campus-sportsgames.php

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

10

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

57494267

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

The library has online, e-journals access through DELNET services. The library has a large and constantly growing collection of online resources such as NPTEL, e-journals, e-books, and so on. These e-resources are accessible anywhere in the campus at any time. We are using campus wide unlimited access. OPAC (Online Public Access Catalogue) is provided to the users through NIRMALS library software. Library materials and services are automated with commercial software package called NIRMALS. All the transactions are fully computerized. The bar-coded ID and the scanner are used for charging and discharging the books.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/dsengg-campus-library.php

4.2.2 - Institution has access to the following: B. Any 3 of the above
e-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	View File
Upload any additional information	View File

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

0

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

10

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

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

The Institution has dedicated Internet Leased line of 15 Mbps, connected to more than Thousand terminals throughout the Campus. Students and faculty are free to access internet. This helps the students to prepare papers on the latest technologies to be presented in various symposiums and seminars. Interested students who are willing to go abroad for further studies can take up tests such as GRE and TOEFL, take up online mock test and also browse through websites of various universities and centers of higher education around the world. The access speed enables the Students and Staff to download and upload files at a fast rate.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/dsengg-campus-internet.php

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3913	1000

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus A. 50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: E. None of the above
Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

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)

16759486

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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.

The college holds regular meetings of the various committees formed for this purpose and uses the grants received as per the requirements in the interest of students to ensure the best allocation and utilization of the financial resources available for the maintenance and upkeep of various facilities. Laboratory: The lab technician in charge, the lab technician, and the HODs of the relevant departments all oversee the maintenance account record-keeping. Laboratory upkeep involves the following: The technicians of related owner enterprises perform the calibration, repair, and maintenance of sophisticated lab equipment. creates a report on the material that has been lost or damaged, the repairs made, or the installation of new equipment in the lab. Under the System administrator's supervision, lab assistants maintain the functionality of the college computers and their accoutrements.

Sports: College Physical Directors are assigned to oversee the upkeep of sports equipment. **Library:** The involved departments provide the list of books needed and the requirements, and HODs are involved in the process. The Principal has duly approved and signed the finalized list of required books.

Before taking an exam, students must have 'no dues' from the library in order to ensure the return of books. The library committee also plans and decides on other issues like the weeding out of outdated titles and the schedule for book issue and return, among others.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

2094

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

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

395

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

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	https://www.dsengg.ac.in/pdf/News-letter-Vol-8.pdf
Details of capability development and schemes	View File
Any additional information	View File

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

850

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

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

707

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

16

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
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

0

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

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

7

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

Students have active representation in academic and administrative bodies and committees of the Institute.

Class Committees:

All programmes have class committees for each course that comprise of student members representing meritorious as well as weak students, along with faculty members nominated by the Head of the Department, other than the course teacher. The Class Committees provide feedback on all aspects of the programme and respective course. Class Committee Meetings are held regularly, at least twice in each semester.

Cultural and Sports Committees:

Students have strong representations in all cultural and sports and games committees and help in organization and management of events. Students manage the entire functioning of the cooperative mess and organize extra-curricular events and competitions throughout the year.

Hostel Administration:

Students provide strong support in the administration and

management of hostel affairs.

Organization of Special Events include, Seminar, workshop, conference Independence Day, Republic Day, Engineers Day, ScienceDay and various NSS and social service activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.dsengg.ac.in/dsengg-academic-scc-antiragging.php

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

8

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

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 association and the institution jointly believe in creating and maintaining association with its alumni. The Alumni Association provides an interface for establishing a link between the alumni, staff, and students of the institute. DSEC alumni are currently working at various positions all over the globe and proving their mettle in all spheres of engineering and management. The Alumni Association Contribution through various means:- 1. Book Donation: Contribution by donating Books.

2. Alumni Interaction: They are invited as resource persons at various events, guest lectures and panel discussions. They provide inputs and share their experiences regarding skills, recent technologies & trends in corporate world, application of knowledge and corporate working culture.

3. Placement & Career Guidance Assistance: Alumni are working in organizations at various capacities. They keep the faculties and the placement officer abreast about the available job opportunities. They assist and guide the students to crack the interviews. They also share their experience with the students and motivate them for their career development in various domains.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.dsengg.ac.in/dsengg-alumni.php

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	View File

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

Governance is the primary activity that connects management, faculty, staff, students, and the community. In our opinion, it should perform its duties effectively, efficiently, and economically. We believe that proper administration and modern governance should be carried out in a manner that actively acknowledges diversity, respects individual identity and deeply held beliefs, and reflects balance. Decentralized and participatory governance is ensured by the College. By including all of its stakeholders, it places an emphasis on collaborative administration. The Principal, Vice Principal, Dean of Academics, Dean of Research, Dean of Students, IQAC Coordinator, Controller of Examinations, Chief Superintendent of Examinations, Heads of Department, Office Manager, and Coordinator of various institutional cells are all recruited by the Management.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://dsengg.ac.in/gcm.php

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

Decentralization and participative management is essential for fostering a dynamic and successful academic environment. In all academic and extracurricular activities, the institute promotes a culture of participatory management. The Institute implements all of its decisions using a committee system. In the committees, every stakeholder is involved. The Principal appoints faculty members to various Committees and forms them. All of these committees and clubs have installed student office bearers. Students are in charge of planning guest lectures, seminars, workshops, industrial visits, extension services, cultural events, and intra and intercollegiate competitions held in the Departments with the assistance of the faculty. The student representatives serve as a crucial conduit between the management and the students.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

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

The Institutional Strategic/Perspective Plan stands as a comprehensive roadmap for the institution's growth and progress. Meticulously we have crafted with a vision for the future, the plan outlines key objectives, innovative strategies, and measurable goals to achieve excellence. With a strong emphasis on academic prowess, research advancements, and industry collaboration, the plan aims to nurture a culture of continuous

improvement and adaptability.

The successful implementation of the plan is evident through various transformative initiatives. Cutting-edge infrastructure and technology have been seamlessly integrated into the learning environment, fostering an enriching educational experience. Faculty development programs have empowered educators to deliver top-notch instruction, while research centers have thrived, pushing the boundaries of knowledge. Collaborations with industries have been established, bridging the gap between academia and real-world challenges.

As a result of these well-executed efforts, the institution has witnessed remarkable progress, elevating its reputation as a leader in engineering education. With the plan serving as a guiding light, the institution continues to excel, producing outstanding graduates and contributing to the advancement of society and technology.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://dsengg.ac.in/pdf/News-letter-Vol-8.pdf
Upload any additional information	No File Uploaded

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.

The functioning of institutional bodies is evident through their effective and efficient policies, administrative set-up, appointment and service rules, and procedures. These bodies, whether governmental, corporate, or non-profit, are designed to ensure smooth operations and achieve their objectives with utmost competence. Clear and well-defined policies provide a framework for decision-making and governance. The administrative set-up ensures the delegation of responsibilities and fosters accountability. Appointment and service rules enable the selection of qualified personnel and maintain a professional workforce.

Streamlined procedures enhance productivity and minimize bureaucracy. When these aspects work harmoniously, institutions can fulfill their missions, serve their stakeholders, and contribute to the overall growth and welfare of society.

Service rules, Procedures, Recruitment and Promotional policies:

HR Manual:

It is a manual formalized for human resources that presents a broad overview of service rules, procedure, Recruitment and Promotional policies of our Institute. The copies of HR manual are made available at website for the easy access to stakeholders. The HR manual was implemented right from inception of the college (2001-02).

Year of Publishing: 2020-21(Revised).

File Description	Documents
Paste link to Organogram on the institution webpage	http://dsengg.ac.in/2018/placement/HR%20Manual.PDF
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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

B. Any three of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	No File Uploaded
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

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 diligently prioritized the welfare and career development of both its teaching and non-teaching staff, laying the foundation for a thriving and motivated workforce. Through well-crafted welfare measures, the institution ensures a supportive and conducive work environment that caters to the physical, mental, and emotional well-being of its employees. Comprehensive health insurance, wellness programs, and counseling services are readily available to address their needs.

Moreover, the institution offers numerous avenues for career growth and progression. Regular training sessions, workshops, and seminars are organized to enhance professional skills and expertise. Encouraging a culture of continuous learning, the institution provides opportunities for staff to pursue higher education and research, availing them of various scholarship and sabbatical programs.

Recognition and rewards for outstanding performance further motivate the staff, fostering a sense of pride and dedication towards their roles. Transparent promotion and appraisal systems ensure fairness and equity in career advancement.

As a result of these effective welfare measures and career development opportunities, the institution boasts a content and committed workforce, ultimately contributing to the institution's overall success and reputation in the educational landscape.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	www.dsengg.ac.in

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

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

11

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

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.)

154

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The institution demonstrates a strong commitment to financial transparency and accountability by conducting regular internal and external financial audits. These audits are a systematic and thorough examination of the institution's financial records, processes, and transactions. Internal audits are carried out by an independent team within the institution, while external audits

involve outsiders.

These audits serve as critical tools to assess the institution's financial health, identify potential risks, detect any discrepancies, and ensure compliance with financial regulations and best practices. By conducting these audits regularly, the institution can instill confidence among stakeholders, including students, staff, and regulatory bodies, while maintaining a high level of financial integrity and efficiency.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	www.dsengg.ac.in

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	View File
Any additional information	No File Uploaded

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

As an esteemed engineering institution, strategic mobilization of funds and optimal resource utilization are paramount to its sustainable growth and academic excellence. The institution employs a multifaceted approach to secure funds from various sources, including government grants, private donors, corporate partnerships, and research funding agencies. A dedicated fundraising team works diligently to build relationships with potential benefactors and communicate the institution's vision and impact.

Furthermore, the institution prioritizes prudent financial management by conducting regular financial audits, budget reviews, and cost optimization exercises. It allocates resources

judiciously, directing funds to areas crucial for enhancing teaching and research capabilities, upgrading infrastructure, and promoting innovation and technology adoption.

To maximize resource utilization, the institution fosters a culture of innovation and encourages interdisciplinary collaboration. It promotes research and development projects that have real-world applications, attracting additional funding and generating revenue through patents and commercialization.

Through these institutional strategies for fund mobilization and resource utilization, the engineering institution ensures a conducive environment for academic excellence, enabling students and faculty to thrive, conduct cutting-edge research, and contribute significantly to societal progress and technological advancements.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

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)

The Internal Quality Assurance Cell (IQAC) of the engineering institution has made significant contributions in institutionalizing quality assurance strategies and processes. Over the past year, it has led to incremental improvements in various aspects, including academic excellence, research and innovation, infrastructure upgradation, and student support. Faculty development programs and research initiatives have been instrumental in elevating the institution's reputation.

In the post-accreditation phase, the IQAC has further strengthened its efforts by implementing comprehensive quality initiatives for subsequent cycles. Regular monitoring, feedback collection, and benchmarking against global standards have been employed to ensure continuous enhancement. As a result, the engineering institution stands as a beacon of academic excellence, producing competent and

industry-ready graduates, while upholding its commitment to delivering quality education in the field of engineering.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/dsengg-academic-cell-internalqual.php

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

The institution places paramount importance on continuously enhancing its teaching-learning process, operational structures, and methodologies to uphold academic excellence. This responsibility lies with the Internal Quality Assurance Cell (IQAC), which conducts regular and thorough reviews in accordance with established norms and guidelines.

The IQAC employs a comprehensive approach during its assessments, meticulously evaluating the effectiveness of diverse pedagogical approaches and strategies. It also critically examines operational structures and administrative procedures to identify potential areas for optimization and efficiency.

Equally crucial is the scrutiny of learning outcomes, enabling the institution to gauge the success of its educational programs and pinpoint areas that require further improvements. To ensure a holistic perspective, the IQAC actively engages faculty members, students, and other stakeholders to gather valuable feedback and insights.

Based on the outcomes of these reviews, the institution takes proactive measures to implement corrective actions, integrate innovative practices, and bolster the overall quality of education imparted. The IQAC's commitment to continuous improvement ensures that the institution remains at the forefront of providing a dynamic and enriching learning environment for its students, fostering their growth, and nurturing successful engineering professionals.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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)

B. Any 3 of the above

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

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

The Institution offers an excellent, diverse work environment with a strong ethical foundation. In all of its actions, it adheres to the highest ethical standards. All people are given equal opportunities.

Education and Awareness: Promoting gender equity often begins with educating individuals about the importance of gender equality and challenging gender stereotypes. This can be done through public campaigns, Health care programs, Awareness programs on gender equality, and educational initiatives aimed at changing societal attitudes and perceptions.

Empowerment and Leadership Programs: Our Institution promotes gender equity by providing training, mentoring, and leadership development programs specifically designed for women and marginalized genders. These initiatives aim to enhance their skills, confidence, and representation in various fields.

Through its Anti-Ragging Committee and Grievance Redressal Committee, the college provides social security.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://dsengg.ac.in/dsengg-academic-scc-wc.php

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

B. Any 3 of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

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: In women's washrooms, incinerators are installed for the sanitary and secure disposal of spent sanitary towels. Dustbins are available in each classroom for the collection of paper waste. Dustbins are cleaned daily.

Food Waste: The canteen and hostels each have trash cans for collecting food waste. The hostel's kitchen trash serves as the primary substrate for the biogas generator. Each day, one cylinder of biogas is typically produced. Farm waste collected from livestock, poultry, and other sources Field crops are used on the campus farm and for composting. The primary substrate for the hostel's biogas unit is cow manure.

Liquid Waste: In the chemistry lab, micro-scale experiments have

taken on the role of conventional macro-scale experiments as a green practise to reduce the use of chemicals and water. The collection drains on the back side of college buildings receive liquid waste produced by the RO units. The farm's crops are watered with the gathered water.

Activities: "Cleaning Campaign" is conducted every semester to raise awareness among students about the importance of recycling and waste segregation.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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	View File
Any other relevant information	View File

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	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	View File

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:

C. Any 2 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	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	No File Uploaded

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,

B. Any 3 of the above

reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
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	View File

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).

- Cultural Awareness and Sensitivity Training:** Motivational lectures by distinguished professionals are organised for the students' all-around development in order to foster the development of their personalities and prepare them to be responsible citizens who uphold the national values of social and communal harmony and national integration.
- Student Welfare Cell:** The institution encourages and supports the formation of student clubs that conduct numerous events, such as New Year's, Fresher's Day, Teacher's Day, Women's Day, Yoga Day, Youth Day, and Science Day. These clubs give students a place to socialise, exchange stories, and develop intercultural understanding.
- Multicultural Events and Celebrations:** Organise celebrations that honour and promote other customs, languages, and cultures. These celebrations of festivals like Pongal, Onam, Ugadi, and Holi offer chances for cultural exchange and enlightenment.
- To ensure continual progress in the spread of moral, cultural, and spiritual values among the students and staff, as well as tolerance and harmony among various groups, the institution routinely assesses and evaluates the efficacy of these programmes and solicits feedback from the college community.
- We have robust infrastructure for a variety of sports activities for the students' physical development in addition to academic and cultural activities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

- 1. Workshops and Seminars:** Organise seminars and workshops on constitutional duties, principles, rights, and responsibilities. Invite professionals, lawyers, and special guests to share their expertise and lead discussions. These gatherings may concentrate on a particular theme, such as social justice, equality, or democratic ideals.
- 2. Human Rights Education:** Integrate human rights education into the curriculum or professional growth programmes. The concept of human rights, their importance, and how they interact with constitutional requirements can all be covered in specific courses, modules, or seminars.
- 3. Student-led Initiatives:** Student-led Initiatives: Encourage student-led initiatives that plan activities that inspire people to engage in different behaviours that advance the "Unity in Diversity" of our homeland. The institution makes sure that the students engage in all such activities with great enthusiasm. The institution celebrates Republic Day and Independence Day.
- 4. Awareness Campaigns:** Awareness Campaigns: Launch awareness campaigns that highlight the importance of constitutional obligations, values, rights, and responsibilities. Utilise various mediums such as posters, videos, social media, and campus-wide events to disseminate information and encourage active citizenship.
- 5. By implementing these sensitization measures,** institutions can cultivate a community that is knowledgeable, engaged, and committed to upholding constitutional values, rights, duties, and responsibilities.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
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	View File
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	View File
Any other relevant information	No File Uploaded

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

- 1. Independence Day:** Marking the national day of independence or liberation, institutions organise flag-raising ceremonies, patriotic performances, cultural displays, and educational activities to honour the nation's history and values.
- 2. Republic Day:** Recognizing the day when the constitution was adopted or enacted, institutions conduct seminars, panel discussions, or workshops to raise awareness about the constitution, its significance, and its right and responsibility.
- 3. National Voters' Day:** On January 25, the institution observes Voters Day in conjunction with the Voter Awareness Forum. Programmes to educate young people about their voting rights are also organised by the NSS.
- 4. World Environment Day:** Focusing on environmental sustainability, institutions organise tree-planting drives, eco-awareness campaigns, recycling initiatives, and educational workshops to raise awareness about environmental

issues and encourage sustainable practises.

5. International Day of Science: Highlighting the importance of Science, institutions organise quiz, workshops, and Project Expo "IGNITRA" to exhibit their technical design thinking and Innovation.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
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

1. Title of the Practice

Offering Skill Development Course

2. Goal:

The goal of offering skill courses is to enhance the employability and entrepreneurship potential of individuals, equipping them with practical skills and knowledge relevant to various industries.

3. Context:

The rapid pace of technological advancement and changing industry dynamics often lead to a misalignment between traditional educational curricula and the skills needed by the job market.

4. Practice:

Detailed description of Course is listed below:

- **Health & Fitness:** Orient and accelerate learners to pay attention towards health, fitness and to live a healthy life.
- **Social Course:** Cultivating the relationships and functioning of the society with government, economics, civics and

sociology

- **Service to Society:** Inculcate the essence of Service to Humanity based on solidarity, sharing and brotherhood and create a sense of oneness.
- **Skill course:** Impart essential computing/ language / proficiency skills gaining confidence towards active participation in administering the role.
- **Technical Expertise:** Instilling Capacity building skills that lead to implementation/ design of products, solution.
- **Employability skills:** Fostering career path across wide sectors beyond qualifications and experience.
- **Proficiency Exam:** Measures the student abilities and skills in their specific programme and also to know how well he/she has learned, understood and internalized the related concepts and principles of his/her courses.

5. Evidence of Success:

- **Positive Feedback:** Positive feedback from participants, employers, and industry experts about the relevance and quality of the skills taught in these courses.

6. Resources Required:

- **Placement and Networking Support:** Establishing a strong network with industries for placement opportunities, internships, and industry exposure.

File Description	Documents
Best practices in the Institutional website	http://dsengg.ac.in/2020/Best-Practices.pdf
Any other relevant information	Nil

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)

1. **Energy Efficiency Measures:** The institution has implemented energy efficiency measures across its campus. It has upgraded lighting systems to energy-efficient LEDs and installed sensors and controls for optimised energy management. These efforts have led to substantial energy

savings and a more sustainable campus environment.

2. **Research and Innovation:** The institution has established a dedicated research centre focused on emerging technologies. Its researchers and faculty actively engage in cutting-edge research, exploring new technologies and solutions in the fields of artificial intelligence, data analytics, 3D printing, cloud computing, and electric vehicles.
3. **Sustainable Campus Operations:** The institution has implemented sustainable practises in its daily operations. It has adopted recycling programmes and implemented water conservation measures. Additionally, the institution promotes sustainable food practises, including sourcing locally produced and organic food for its cafeterias and promoting plant-based meal options.
4. **Community Outreach and Collaboration:** Since its inception in 2001, the college has rendered a valuable contribution to the field of higher education among underprivileged students, particularly students from refugee families who settled here after partition. The highly qualified teachers of the college try to impart quality education through both conventional and non-conventional methods. The institution also promotes girls' education.

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.

Our Curriculum is designed on par with Anna University Curriculum and being an Autonomous Institute we have an Academic Flexibility. We have incorporated the courses into the curriculum based on the recent technological advancements. Apart from the technical level, we focused on Skill Development courses to enhance the skill level of students. We are following outcome based education in which all course outcomes are designed, based on Programme outcomes, Programme Specific Outcome and Stakeholders Recommendations. The courses are mapped with PO and PSO's. The curricular programmes was structured including basic engineering sciences, humanities and social science, Professional Core, Professional Elective, Open Elective and Employability Enhancement course. Students are provided with an option to flexibly select their elective subjects. The curriculum of all UG and PG courses includes CGPA courses and non CGPA Courses. Categorization of course helps the students to equip themselves in core subject and other skill-oriented activities. The curriculum and syllabus is reviewed by Board of Studies and approved by Academic Council.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	http://dsengg.ac.in/dsengg-academi-ug-computerscience.php

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

15

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

42

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

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

320

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

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

21

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

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

AICTE has prescribed a number of mandatory courses, with a strong emphasis on social studies. The skill course is an interdisciplinary course that integrates environmental science, gender issues, and human rights. It is accessible from undergraduate second-year students. Such courses were introduced in order to instill ethical values in students during the course of their studies. Additionally, all departments' cocurricular activities emphasise the importance of ethics, gender, human values, the environment, and sustainability.

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	View File
Any additional information	View File

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

9

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

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

452

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

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

832

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

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	http://dsengg.ac.in/dsengg-academic-cell-internalqual.php
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

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	http://dsengg.ac.in/dsengg-academic-cell-internalqual.php
Any additional information	View File

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

1172

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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)

374

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

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.

The slow and fast learners are identified based on their overall performance in university exams and internal assessment. The counsellor regularly monitor the progress of their students. The class teachers along with counsellors assess the progress of the students after every Assessment test and the parents are intimated through letter. Student performance (Assessment marks, attendance percentage and university results) is intimated to parents through the progress report (by post) twice the semester.

Support offered to slow-learners

Constant monitoring and interaction by mentors help to encourage, and arrange special classes by the faculty members and the peers. Mentors are available and accessible to the students to interact with one-to-one. Conduct workshops or seminars focused on improving study skills, time management, note-taking, and test preparation techniques. Learning materials, including textbooks, online resources, and lecture materials, are accessible to slow-learners. Faculty members conducts Remedial Classes and provide university question bank, discuss the ways of presenting the answers in the examinations. Collaborative learning experiences, such as group projects or study groups, where slow-learners can work with peers to enhance their understanding of course material. Collaborative learning allows for shared knowledge, peer support, and the opportunity to learn from others' perspectives. Bridge courses are also conducted for courses based on the requirement. Special Programs are organized for the benefits of students by counseling cell coordinators.

Advanced Learners are motivated to participate at the events and to get University rankholders

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/dsengg-academi-ug-electricalcommu.php

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
23/06/2021	3869	408

File Description	Documents
Upload any additional information	View File

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:

College provides an effective platform for students to develop the updated skills, knowledge, attitude, values to shape their behavior with professional ethics. All departments conduct innovative programs which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and also ensures participative learning. The institute organizes Tech Day in which students showcase their learning in the form of innovative ideas. Also, students are motivated to participate in intercollege as well as national level competitions. The institute focuses on the student-centric methods of enhancing lifelong learning skills of students. Faculty members make efforts in making the learning activity more interactive by adopting the more student-centric methods.

File Description	Documents
Upload any additional information	View File
Link for additional Information	http://dsengg.ac.in/pdf/TECH-DAY.pdf

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

learning

ICT TOOLS

Use of ICT tools helps a faculty member to engage students in effective learning and enables learning beyond the classroom.

Every classroom at our institute is equipped with an interactive projector, Audio and Video system with an internet facility. Classrooms facilitate the instructor and students to use both ICT tools enabled learning and conventional chalk-talk learning.

Online resources

All the faculty members are encouraged to use online resources to improve the teaching-learning process. Every faculty member had a practice of pursuing an online course every semester related to the course which makes them be updated. This helps the faculty members to prepare well for lectures.

Use of NPTEL videos and conceptual videos add value to our teaching-learning process.

Use of virtual lab (hosted by IIT), simulation tools and software make the students get insight knowledge on the subject.

Learning Management System (LMS)

Encouraging the students to learn beyond the classroom environment is achieved in our department by using Learning Management System (LMS). Google classroom is created for all the courses through which the student scan access learning resources at anytime.

Innovative learning methods are initiated and implemented by the faculty for students to learn in a better manner.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://classroom.google.com/u/2/c/NDc0Mzg2ODcyMDcx
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

373

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

Adherence to the academic calendar

Considering the list of Government holidays, Calendar of department events, Internal Test Schedule and the University calendar, the tentative institute academic calendar is charted by IQAC with due approval from the Principal. After which, the implementation of the same is cross checked by the Academic Audit committee whether the Department activities align with the Academic Calendar. If any discrepancy or any holidays due to natural calamities, compensation working day will be scheduled.

Course Plan

Design of course plan is inclusive of Syllabus, Objective of a course and individual units learning outcomes, list of references (Text, Reference Books and Web resources), usage of teaching aids, planning of assessment tests and assignment submission, details of assignment topics, content beyond syllabus, (if identified). The course instructors are instructed to prepare the course plan in prior to the

commencement of the semester for the allotted courses. It is prepared for both the theory and laboratory courses. The dispatch of the course plan to the students from day one for strict adherence to the same is made. The motivational perspective of the course instructor is enriched and students focus on the course is also built up by course plan itself. The teaching-learning process is reviewed based on the data recorded in the Log book by the Head of the Department.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

408

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
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

48

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	View File
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)

1875	
File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded
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	
54	
File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded
2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year	
0	
File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded
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	
IT integration is used throughout the examination process, from the pre-examination steps of creating a list of eligible candidates, assembling teams of invigilators, creating attendance sheets, and logistics to the post-examination steps of recording attendance on the day of the exam, tabulating the results after external evaluation, granting certificates, etc.	

On notice boards, timetables are posted. The Controller of Examinations oversees the examination procedure along with a group of members from the Examination Committee. The attendance sheets and answer booklets are given to the invigilators.

The Chief Superintendents of Examinations will send the question papers to the exam rooms in the strictest of confidence, and after the exam, the invigilators will collect the booklets and turn them in to the Controller of Examinations. The theory and practical portions of the semester's final exam will each carry 100 marks. Exam Cell publishes grade lists with the necessary security features. Anna University has issued final degree certificates. A greater degree of flexibility in continuous assessment techniques offers the chance to raise internal marks.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://dsengg.ac.in/dsengg-examination-rulesandregulation.php

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

Curriculum compliance is systematic analysis of curriculum, prescribed by University, to identify the degree of competency of syllabi and its contents for attaining the Program Outcomes and program specific outcomes.

The Department Quality Improvement Committee (DQIC) carries out the study/investigation to reveal whether the syllabi and its contents intentionally and systematically provide students with opportunities to attain the appropriate knowledge, skill and attitudes. This process helps to identify the gap between University curriculum and Program Outcomes. The identification leads to rectification / remediation.

The procedural training towards Outcome Based Education (OBE) was imparted to the course instructors. Relevant courses are collected based on its contents and grouped them as modules. For each course, the knowledge level of course contents is identified using Revised Bloom's taxonomy and corresponding

course outcomes are formulated. Curriculum compliance may be verified by organizing the information into a matrix (course-PO matrix) which maps each one to the other.

Mapping involves making collective judgments', by DQIC about the link between the course outcomes (COs) and the program outcomes (POs). Mapping not only provides the information of whether curriculum meets the academic and/or professional benchmark requirements (POs) but also manifests the way and possible level of attaining the POs by curriculum.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	http://dsengg.ac.in/dsengg-academi-ug-electricalcommu.php

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

The Program Educational Objectives (PEOs) are established to guide the programme and prepare the graduates to achieve career and professional accomplishments. The PEOs are further transformed into specific student performance and behaviors that demonstrate student learning and skill development as Program Outcomes (POs). Program Outcomes (POs) are clearly and unambiguously defined. As our college is affiliated to Anna University, We follow the curriculum prescribed by Anna University. All courses have their own course outcomes. Each course outcome is mapped to relevant POs and PSOs. Achieving course outcomes is the direct way of accomplishing program outcomes. In this context, the teaching- learning process and assessment methods are implemented in such a way to achieve the COs. Our college is aware that Teaching - Learning process is crucial part of outcome based education and implements / employs as the set of activities engaging with students to enable them to acquire the knowledge, skills and attitudes. Student-centered and practical oriented lectures, tutorials, collaborative learning, independent learning, peer teaching approaches with integration of appropriate teaching aids, and teaching materials are the educational strategies selected to support the learning outcomes.

Attainments procedure as attached below in the document.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

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

821

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	Nil

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

<http://dsengg.ac.in/pdf/SSS-Questinnaire-Students.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

At our Institution, research is the driving force behind our mission to advance knowledge and solve real-world engineering challenges. To ensure that our researchers have access to the best resources, our research facilities are regularly updated and equipped with cutting-edge technologies. State-of-the-art laboratories, advanced equipment, and specialized software enable our students to conduct experiments, simulations, and

analyses at the forefront of their respective fields.

Our institution takes great pride in its transparent and well-defined policy for the promotion of research. The policy is openly available on our institutional website, detailing the criteria for evaluation, benchmarks for excellence, and the process for career progression based on research achievements. This clarity ensures fairness, objectivity, and equal opportunities for all researchers to be recognized and rewarded for their contributions.

With this promotion policy in place, a vibrant research culture thrives within our institution. Faculty members are motivated to pursue innovative research, collaborate across disciplines, and publish in reputable journals. The outcomes of our research endeavors not only contribute to academic excellence but also have practical applications, impacting industries and communities alike. As a result, our Institution remains a pioneer in groundbreaking research, shaping the future of engineering and inspiring the next generation of engineers and innovators.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	http://dsengg.ac.in/2018/placement/HR%20Mannual.PDF
Any additional information	No File Uploaded

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)

123000

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
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

5

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
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)

222500

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

5

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.tanscst.tn.gov.in/rails/active_storage/disk/eyJfcMfPbHMiOmsibWVzc2FnZSI6IkJBaDdDRG9JYTJWNVNTSWRTMnRoTVVoTlVWwmpZVlJ0Y2tkMFVUUuMfNbgHlWVZaNUJqb0dSVlE2RUdScGMzQnZjMmwwYVc5dVNTSnJhVzVzYVc1bE95QmlhV3hsYm1GdFpUMGlVMVJETFdObGJuUmxbk10TWpBeU1TMHlNaUFsTWpneEpUSTVMbkJrWmlJN0lHWnBiRlZlWVcxbEtqMVZWRVl0T0NjblUxUkRMV05sYm5SbGNuTXRNakF5TVMweU1pVXlNQ1V5T0RFbE1qa3VjR1JtQmpzR1ZEblJZMjllZEdWdWRGOTBlWEJsU1NJVVlYQnZlR2xqWVhScGIyNHZjR1JtQmpzR1ZBPT0iLCJleHAiOiIyMDIzLTA3LTI1VDEuOjM1OjUwLjkxMFoiLCJwZXIiOiJibG9iX2tleSJ9fQ==--ce2d0fb41ed4a7bf15028f89b4fe90741c10f894/STC-centers-2021-22%20(1).pdf?content_type=application%2Fpdf&disposition=inline%3B+filename%3D%22STC-centers-2021-22+%25281%2529.pdf%22%3B+filename%2A%3DUTF-8%27%27STC-centers-2021-22%2520%25281%2529.pdf
Any additional information	No File Uploaded

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.

Our college has established a remarkable ecosystem for innovation and knowledge transfer. With dedicated management support, an entrepreneurship cell, and industry collaborations, fosters a culture of creativity and practical learning. The institution's community orientation drives students and faculty to work on projects that address local challenges, creating a positive impact on the rural population. The incubation center provides crucial support to aspiring entrepreneurs, nurturing their ideas into successful ventures. Innovation challenges and networking events further enhance students' exposure and confidence. Despite being in a rural setting, the college's commitment to excellence and relevance ensures that students

are well-prepared for real-world engineering challenges and are equipped to contribute to the development of their rural community and beyond.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/index.php

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

31

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

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

C. Any 2 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	View File
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	
0	
File Description	Documents
URL to the research page on HEI website	http://dsengg.ac.in/dsengg-academic-comm-research.php
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded
3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year	
95	
File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded
3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year	
43	
File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
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	
215	

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

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

6

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

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	View File
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	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
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

In our college, students were engaged in extension activities that focused on social issues and their holistic development. Throughout the year, they participated in projects addressing challenges such as sustainable infrastructure and clean energy. Additionally, students took part in "Extension activities," living in nearby communities to experience their realities firsthand.

The institution encouraged clubs centered around social causes, organizing workshops and awareness campaigns on education, digital literacy, and the environment. These activities not only shaped students into socially responsible citizens but also had a positive impact on the neighboring communities, improving living conditions and awareness.

Overall, the institution's approach to extension activities fostered socially conscious engineers, making a meaningful contribution to society's well-being.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

2

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

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)

15

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

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

1580

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

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

104

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

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)

19

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
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 modern facilities required for the effective teaching - learning process is more than adequate and they exceed the minimum specified requirements by the various statutory bodies. State of the art laboratories are made available for all the programme. Every Department has a provision for ICT enabled classrooms. As physical infrastructure is vitally tied to the college's vision, the institution assures its availability and best uses it. To "create a pedestal for the students' innate innovation, teamwork, originality, and competence, expose them to global challenges, and help them become leaders in the Indian vision of modern society." After reviewing the course requirements, the computer-to-student ratio, the budgetary boundaries, the operational condition of the existing equipment, a need assessment for replacement, up-gradation, or addition of the existing infrastructure is carried out at the beginning of the academic year based on suggestions from the Heads of departments, lab technicians, and system

administrators. The Department heads anticipates all needs for facilities, including furnishings, labs, and other equipment. Educating academics on the usage of new technology through workshops, awareness campaigns, and training programmes ensures the best possible deployment of infrastructure. By employing sufficient and highly qualified lab workers and system administrators, effective infrastructure utilisation is ensured. The promotion of creative teaching and learning methods ensures maximum utilisation. In order to conduct certificate programmes, co-curricular activities, parent-teacher meetings, campus recruitment training classes, seminars, conferences, etc. outside of regular college hours, how well is the physical infrastructure used.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/dsengg-campus-laboratory-ece.php

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

Sports and extracurricular activities are integral parts of the Institute's Skill Courses. This is done to assess students as well as encourage engagement. For sports, games, and cultural events, we offers suitable facilities. Students have participated in the various such cultural events organised by other Universities, both at the state and national level and brought several accolades to the Institute. The institution features three sizable playgrounds with space for a variety of sports, including basketball, volleyball, cricket, football, hockey, and kho-kho. Facilities for gymnasiums and tennis courts are available on another field. Functions and cultural activities can be organised in well-equipped auditorium. For students, intra- and inter-facility games as well as sporting tournaments are regularly scheduled each year. Facilities for outdoor and indoor sports and games include badminton, volley ball, basketball, carrom, table tennis, and chess. To compete in Zonal and Inter-Zonal students receive specialised training.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/dsengg-campus-sportsgames.php

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

10

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

57494267

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

The library has online, e-journals access through DELNET services. The library has a large and constantly growing collection of online resources such as NPTEL, e-journals, e-books, and so on. These e-resources are accessible anywhere in the campus at any time. We are using campus wide unlimited access. OPAC (Online Public Access Catalogue) is provided to the users through NIRMALS library software. Library materials

and services are automated with commercial software package called NIRMALS. All the transactions are fully computerized. The bar-coded ID and the scanner are used for charging and discharging the books.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/dsengg-campus-library.php

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

B. Any 3 of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

0

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the year (Data Template)	View File

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**

10

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

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

The Institution has dedicated Internet Leased line of 15 Mbps, connected to more than Thousand terminals throughout the Campus. Students and faculty are free to access internet. This helps the students to prepare papers on the latest technologies to be presented in various symposiums and seminars. Interested students who are willing to go abroad for further studies can take up tests such as GRE and TOEFL, take up online mock test and also browse through websites of various universities and centers of higher education around the world. The access speed enables the Students and Staff to download and upload files at a fast rate.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/dsengg-campus-internet.php

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3913	1000

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 50 Mbps
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File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

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	E. None of the above
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File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

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)

16759486

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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.

The college holds regular meetings of the various committees formed for this purpose and uses the grants received as per the requirements in the interest of students to ensure the best

allocation and utilization of the financial resources available for the maintenance and upkeep of various facilities.

Laboratory: The lab technician in charge, the lab technician, and the HODs of the relevant departments all oversee the maintenance account record-keeping. Laboratory upkeep involves the following: The technicians of related owner enterprises perform the calibration, repair, and maintenance of sophisticated lab equipment. creates a report on the material that has been lost or damaged, the repairs made, or the installation of new equipment in the lab. Under the System administrator's supervision, lab assistants maintain the functionality of the college computers and their accoutrements.

Sports: College Physical Directors are assigned to oversee the upkeep of sports equipment. **Library:** The involved departments provide the list of books needed and the requirements, and HODs are involved in the process. The Principal has duly approved and signed the finalized list of required books.

Before taking an exam, students must have 'no dues' from the library in order to ensure the return of books. The library committee also plans and decides on other issues like the weeding out of outdated titles and the schedule for book issue and return, among others.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

2094

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

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

395

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

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	https://www.dsengg.ac.in/pdf/News-letter-Vol-8.pdf
Details of capability development and schemes	View File
Any additional information	View File

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

850

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

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

707

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

16	
File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
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	
0	
File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded
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	
7	
File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution	
Students have active representation in academic and administrative bodies and committees of the Institute.	
Class Committees:	

All programmes have class committees for each course that comprise of student members representing meritorious as well as weak students, along with faculty members nominated by the Head of the Department, other than the course teacher. The Class Committees provide feedback on all aspects of the programme and respective course. Class Committee Meetings are held regularly, at least twice in each semester.

Cultural and Sports Committees:

Students have strong representations in all cultural and sports and games committees and help in organization and management of events. Students manage the entire functioning of the cooperative mess and organize extra-curricular events and competitions throughout the year.

Hostel Administration:

Students provide strong support in the administration and management of hostel affairs.

Organization of Special Events include, Seminar, workshop, conference Independence Day, Republic Day, Engineers Day, Science Day and various NSS and social service activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.dsengg.ac.in/dsengg-academic-scc-antiragging.php

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

8

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

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 association and the institution jointly believe in creating and maintaining association with its alumni. The Alumni Association provides an interface for establishing a link between the alumni, staff, and students of the institute. DSEC alumni are currently working at various positions all over the globe and proving their mettle in all spheres of engineering and management. The Alumni Association Contribution through various means:-

1. Book Donation: Contribution by donating Books.

2. Alumni Interaction: They are invited as resource persons at various events, guest lectures and panel discussions. They provide inputs and share their experiences regarding skills, recent technologies & trends in corporate world, application of knowledge and corporate working culture.

3. Placement & Career Guidance Assistance: Alumni are working in organizations at various capacities. They keep the faculties and the placement officer abreast about the available job opportunities. They assist and guide the students to crack the interviews. They also share their experience with the students and motivate them for their career development in various domains.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.dsengg.ac.in/dsengg-alumni.php

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	View File

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

Governance is the primary activity that connects management, faculty, staff, students, and the community. In our opinion, it should perform its duties effectively, efficiently, and economically. We believe that proper administration and modern governance should be carried out in a manner that actively acknowledges diversity, respects individual identity and deeply held beliefs, and reflects balance. Decentralized and participatory governance is ensured by the College. By including all of its stakeholders, it places an emphasis on collaborative administration. The Principal, Vice Principal, Dean of Academics, Dean of Research, Dean of Students, IQAC Coordinator, Controller of Examinations, Chief Superintendent of Examinations, Heads of Department, Office Manager, and Coordinator of various institutional cells are all recruited by the Management.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://dsengg.ac.in/gcm.php

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

Decentralization and participative management is essential for fostering a dynamic and successful academic environment. In all academic and extracurricular activities, the institute promotes a culture of participatory management. The Institute implements all of its decisions using a committee system. In the committees, every stakeholder is involved. The Principal appoints faculty members to various Committees and forms them. All of these committees and clubs have installed student office bearers. Students are in charge of planning guest lectures, seminars, workshops, industrial visits, extension services, cultural events, and intra and intercollegiate competitions held in the Departments with the assistance of the faculty. The student representatives serve as a crucial conduit between the management and the students.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

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

The Institutional Strategic/Perspective Plan stands as a comprehensive roadmap for the institution's growth and progress. Meticulously we have crafted with a vision for the future, the plan outlines key objectives, innovative strategies, and measurable goals to achieve excellence. With a strong emphasis on academic prowess, research advancements, and industry collaboration, the plan aims to nurture a culture of continuous improvement and adaptability.

The successful implementation of the plan is evident through various transformative initiatives. Cutting-edge infrastructure and technology have been seamlessly integrated into the learning environment, fostering an enriching educational experience. Faculty development programs have empowered educators to deliver top-notch instruction, while research centers have thrived, pushing the boundaries of knowledge. Collaborations with industries have been established, bridging the gap between academia and real-world challenges.

As a result of these well-executed efforts, the institution has witnessed remarkable progress, elevating its reputation as a leader in engineering education. With the plan serving as a guiding light, the institution continues to excel, producing outstanding graduates and contributing to the advancement of society and technology.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://dsengg.ac.in/pdf/News-letter-Vol-8.pdf
Upload any additional information	No File Uploaded

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.

The functioning of institutional bodies is evident through their effective and efficient policies, administrative set-up, appointment and service rules, and procedures. These bodies, whether governmental, corporate, or non-profit, are designed to ensure smooth operations and achieve their objectives with utmost competence. Clear and well-defined policies provide a framework for decision-making and governance. The administrative set-up ensures the delegation of responsibilities and fosters accountability. Appointment and service rules enable the selection of qualified personnel and maintain a professional workforce. Streamlined procedures enhance productivity and minimize bureaucracy. When these aspects work harmoniously, institutions can fulfill their missions, serve their stakeholders, and contribute to the overall growth and welfare of society.

Service rules, Procedures, Recruitment and Promotional policies:

HR Manual:

It is a manual formalized for human resources that presents a broad overview of service rules, procedure, Recruitment and Promotional policies of our Institute. The copies of HR manual are made available at website for the easy access to stakeholders. The HR manual was implemented right from inception of the college (2001-02).

Year of Publishing: 2020-21(Revised).

File Description	Documents
Paste link to Organogram on the institution webpage	http://dsengg.ac.in/2018/placement/HR%20M anual.PDF
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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

B. Any three of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	No File Uploaded
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

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 diligently prioritized the welfare and career development of both its teaching and non-teaching staff, laying the foundation for a thriving and motivated workforce. Through well-crafted welfare measures, the institution ensures a supportive and conducive work environment that caters to the physical, mental, and emotional well-being of its employees. Comprehensive health insurance, wellness programs, and counseling services are readily available to address their needs.

Moreover, the institution offers numerous avenues for career growth and progression. Regular training sessions, workshops, and seminars are organized to enhance professional skills and expertise. Encouraging a culture of continuous learning, the institution provides opportunities for staff to pursue higher

education and research, availing them of various scholarship and sabbatical programs.

Recognition and rewards for outstanding performance further motivate the staff, fostering a sense of pride and dedication towards their roles. Transparent promotion and appraisal systems ensure fairness and equity in career advancement.

As a result of these effective welfare measures and career development opportunities, the institution boasts a content and committed workforce, ultimately contributing to the institution's overall success and reputation in the educational landscape.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	www.dsengg.ac.in

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

38

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

11

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

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.)

154

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The institution demonstrates a strong commitment to financial transparency and accountability by conducting regular internal and external financial audits. These audits are a systematic and thorough examination of the institution's financial records, processes, and transactions. Internal audits are carried out by an independent team within the institution, while external audits involve outsiders.

These audits serve as critical tools to assess the institution's financial health, identify potential risks, detect any discrepancies, and ensure compliance with financial regulations and best practices. By conducting these audits regularly, the institution can instill confidence among stakeholders, including students, staff, and regulatory bodies, while maintaining a high level of financial integrity and efficiency.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	www.dsengg.ac.in

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	View File
Any additional information	No File Uploaded

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

As an esteemed engineering institution, strategic mobilization of funds and optimal resource utilization are paramount to its sustainable growth and academic excellence. The institution employs a multifaceted approach to secure funds from various sources, including government grants, private donors, corporate partnerships, and research funding agencies. A dedicated fundraising team works diligently to build relationships with potential benefactors and communicate the institution's vision and impact.

Furthermore, the institution prioritizes prudent financial management by conducting regular financial audits, budget reviews, and cost optimization exercises. It allocates resources judiciously, directing funds to areas crucial for enhancing teaching and research capabilities, upgrading infrastructure, and promoting innovation and technology adoption.

To maximize resource utilization, the institution fosters a culture of innovation and encourages interdisciplinary collaboration. It promotes research and development projects that have real-world applications, attracting additional funding and generating revenue through patents and

commercialization.

Through these institutional strategies for fund mobilization and resource utilization, the engineering institution ensures a conducive environment for academic excellence, enabling students and faculty to thrive, conduct cutting-edge research, and contribute significantly to societal progress and technological advancements.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

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)

The Internal Quality Assurance Cell (IQAC) of the engineering institution has made significant contributions in institutionalizing quality assurance strategies and processes. Over the past year, it has led to incremental improvements in various aspects, including academic excellence, research and innovation, infrastructure upgradation, and student support. Faculty development programs and research initiatives have been instrumental in elevating the institution's reputation.

In the post-accreditation phase, the IQAC has further strengthened its efforts by implementing comprehensive quality initiatives for subsequent cycles. Regular monitoring, feedback collection, and benchmarking against global standards have been employed to ensure continuous enhancement. As a result, the engineering institution stands as a beacon of academic excellence, producing competent and industry-ready graduates, while upholding its commitment to delivering quality education in the field of engineering.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://dsengg.ac.in/dsengg-academic-cell-internalqual.php

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

The institution places paramount importance on continuously enhancing its teaching-learning process, operational structures, and methodologies to uphold academic excellence. This responsibility lies with the Internal Quality Assurance Cell (IQAC), which conducts regular and thorough reviews in accordance with established norms and guidelines.

The IQAC employs a comprehensive approach during its assessments, meticulously evaluating the effectiveness of diverse pedagogical approaches and strategies. It also critically examines operational structures and administrative procedures to identify potential areas for optimization and efficiency.

Equally crucial is the scrutiny of learning outcomes, enabling the institution to gauge the success of its educational programs and pinpoint areas that require further improvements. To ensure a holistic perspective, the IQAC actively engages faculty members, students, and other stakeholders to gather valuable feedback and insights.

Based on the outcomes of these reviews, the institution takes proactive measures to implement corrective actions, integrate innovative practices, and bolster the overall quality of education imparted. The IQAC's commitment to continuous improvement ensures that the institution remains at the forefront of providing a dynamic and enriching learning environment for its students, fostering their growth, and nurturing successful engineering professionals.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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)

B. Any 3 of the above

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

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

The Institution offers an excellent, diverse work environment with a strong ethical foundation. In all of its actions, it adheres to the highest ethical standards. All people are given equal opportunities.

Education and Awareness: Promoting gender equity often begins with educating individuals about the importance of gender equality and challenging gender stereotypes. This can be done through public campaigns, Health care programs, Awareness programs on gender equality, and educational initiatives aimed at changing societal attitudes and perceptions.

Empowerment and Leadership Programs: Our Institution promotes gender equity by providing training, mentoring, and leadership development programs specifically designed for women and marginalized genders. These initiatives aim to enhance their skills, confidence, and representation in various fields.

Through its Anti-Ragging Committee and Grievance Redressal Committee, the college provides social security.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://dsengg.ac.in/dsengg-academic-scc-wc.php

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	View File
Any other relevant information	View File

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: In women's washrooms, incinerators are installed for the sanitary and secure disposal of spent sanitary towels. Dustbins are available in each classroom for the collection of paper waste. Dustbins are cleaned daily.

Food Waste: The canteen and hostels each have trash cans for collecting food waste. The hostel's kitchen trash serves as the primary substrate for the biogas generator. Each day, one cylinder of biogas is typically produced. Farm waste collected from livestock, poultry, and other sources Field crops are used on the campus farm and for composting. The primary substrate for the hostel's biogas unit is cow manure.

Liquid Waste: In the chemistry lab, micro-scale experiments

have taken on the role of conventional macro-scale experiments as a green practise to reduce the use of chemicals and water. The collection drains on the back side of college buildings receive liquid waste produced by the RO units. The farm's crops are watered with the gathered water.

Activities: "Cleaning Campaign" is conducted every semester to raise awareness among students about the importance of recycling and waste segregation.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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	View File
Any other relevant information	View File

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	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	View File

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

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	C. Any 2 of the above
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	No File Uploaded

<p>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:</p>	B. Any 3 of the above
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Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
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	View File

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).

- Cultural Awareness and Sensitivity Training:** Motivational lectures by distinguished professionals are organised for the students' all-around development in order to foster the development of their personalities and prepare them to be responsible citizens who uphold the national values of social and communal harmony and national integration.
- Student Welfare Cell:** The institution encourages and supports the formation of student clubs that conduct numerous events, such as New Year's, Fresher's Day, Teacher's Day, Women's Day, Yoga Day, Youth Day, and Science Day. These clubs give students a place to socialise, exchange stories, and develop intercultural understanding.
- Multicultural Events and Celebrations:** Organise celebrations that honour and promote other customs, languages, and cultures. These celebrations of festivals like Pongal, Onam, Ugadi, and Holi offer chances for cultural exchange and enlightenment.
- To ensure continual progress in the spread of moral, cultural, and spiritual values among the students and staff, as well as tolerance and harmony among various groups, the institution routinely assesses and evaluates the efficacy of these programmes and solicits feedback from the college community.
- We have robust infrastructure for a variety of sports activities for the students' physical development in

addition to academic and cultural activities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

1. **Workshops and Seminars:** Organise seminars and workshops on constitutional duties, principles, rights, and responsibilities. Invite professionals, lawyers, and special guests to share their expertise and lead discussions. These gatherings may concentrate on a particular theme, such as social justice, equality, or democratic ideals.
2. **Human Rights Education:** Integrate human rights education into the curriculum or professional growth programmes. The concept of human rights, their importance, and how they interact with constitutional requirements can all be covered in specific courses, modules, or seminars.
3. **Student-led Initiatives:** Student-led Initiatives: Encourage student-led initiatives that plan activities that inspire people to engage in different behaviours that advance the "Unity in Diversity" of our homeland. The institution makes sure that the students engage in all such activities with great enthusiasm. The institution celebrates Republic Day and Independence Day.
4. **Awareness Campaigns:** Awareness Campaigns: Launch awareness campaigns that highlight the importance of constitutional obligations, values, rights, and responsibilities. Utilise various mediums such as posters, videos, social media, and campus-wide events to disseminate information and encourage active citizenship.
5. By implementing these sensitization measures, institutions can cultivate a community that is knowledgeable, engaged, and committed to upholding constitutional values, rights, duties, and responsibilities.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
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	View File
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	View File
Any other relevant information	No File Uploaded

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

- 1. Independence Day:** Marking the national day of independence or liberation, institutions organise flag-raising ceremonies, patriotic performances, cultural displays, and educational activities to honour the nation's history and values.
- 2. Republic Day:** Recognizing the day when the constitution was adopted or enacted, institutions conduct seminars, panel discussions, or workshops to raise awareness about the constitution, its significance, and its right and

responsibility.

3. National Voters' Day: On January 25, the institution observes Voters Day in conjunction with the Voter Awareness Forum. Programmes to educate young people about their voting rights are also organised by the NSS.
4. World Environment Day: Focusing on environmental sustainability, institutions organise tree-planting drives, eco-awareness campaigns, recycling initiatives, and educational workshops to raise awareness about environmental issues and encourage sustainable practises.
5. International Day of Science: Highlighting the importance of Science, institutions organise quiz, workshops, and Project Expo "IGNITRA" to exhibit their technical design thinking and Innovation.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
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

1. Title of the Practice

Offering Skill Development Course

2. Goal:

The goal of offering skill courses is to enhance the employability and entrepreneurship potential of individuals, equipping them with practical skills and knowledge relevant to various industries.

3. Context:

The rapid pace of technological advancement and changing industry dynamics often lead to a misalignment between traditional educational curricula and the skills needed by the

job market.

4. Practice:

Detailed description of Course is listed below:

- **Health & Fitness:** Orient and accelerate learners to pay attention towards health, fitness and to live a healthy life.
- **Social Course:** Cultivating the relationships and functioning of the society with government, economics, civics and sociology
- **Service to Society:** Inculcate the essence of Service to Humanity based on solidarity, sharing and brotherhood and create a sense of oneness.
- **Skill course:** Impart essential computing/ language / proficiency skills gaining confidence towards active participation in administering the role.
- **Technical Expertise:** Instilling Capacity building skills that lead to implementation/ design of products, solution.
- **Employability skills:** Fostering career path across wide sectors beyond qualifications and experience.
- **Proficiency Exam:** Measures the student abilities and skills in their specific programme and also to know how well he/she has learned, understood and internalized the related concepts and principles of his/her courses.

5. Evidence of Success:

- **Positive Feedback:** Positive feedback from participants, employers, and industry experts about the relevance and quality of the skills taught in these courses.

6. Resources Required:

- **Placement and Networking Support:** Establishing a strong network with industries for placement opportunities, internships, and industry exposure.

File Description	Documents
Best practices in the Institutional website	http://dsengg.ac.in/2020/Best-Practices.pdf
Any other relevant information	Nil

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)

- 1. Energy Efficiency Measures:** The institution has implemented energy efficiency measures across its campus. It has upgraded lighting systems to energy-efficient LEDs and installed sensors and controls for optimised energy management. These efforts have led to substantial energy savings and a more sustainable campus environment.
- 2. Research and Innovation:** The institution has established a dedicated research centre focused on emerging technologies. Its researchers and faculty actively engage in cutting-edge research, exploring new technologies and solutions in the fields of artificial intelligence, data analytics, 3D printing, cloud computing, and electric vehicles.
- 3. Sustainable Campus Operations:** The institution has implemented sustainable practises in its daily operations. It has adopted recycling programmes and implemented water conservation measures. Additionally, the institution promotes sustainable food practises, including sourcing locally produced and organic food for its cafeterias and promoting plant-based meal options.
- 4. Community Outreach and Collaboration:** Since its inception in 2001, the college has rendered a valuable contribution to the field of higher education among underprivileged students, particularly students from refugee families who settled here after partition. The highly qualified teachers of the college try to impart quality education through both conventional and non-conventional methods. The institution also promotes girls' education.

File Description	Documents
Appropriate link in the institutional website	http://dsengg.ac.in/2020/Instituional-Distinctiveness.pdf
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

1. **Curriculum Enhancement:** Review and update the curriculum to incorporate emerging trends, advancements in the field, and feedback from students and faculty. Consider integrating NEP 2020 multi-disciplinary approaches, project-based learning opportunities, and technology-enabled teaching methods to enhance the quality of education.
2. **Student Support Services:** Evaluate and enhance student support services, including academic advising, career counselling, mental health resources, and co-curricular programmes. Ensure that students have access to comprehensive support systems that foster their personal and academic development.
3. **Technology Integration:** Identify areas where technology can be integrated to enhance teaching, learning, and administrative processes. This could include implementing learning management systems, digital assessment tools, virtual labs, or other educational technologies that improve efficiency and student engagement.
4. **Research and Innovation:** Foster a research culture by providing resources, funding, and incentives for faculty and students to engage in research activities. Encourage interdisciplinary collaborations and support initiatives that promote innovation, entrepreneurship, and knowledge dissemination.
5. **Evaluation and Continuous Improvement:** Establish mechanisms for monitoring and evaluating the effectiveness of the plan of action. Collect feedback from stakeholders, measure progress towards goals, and make adjustments as necessary. Use data-driven insights to drive continuous improvement and ensure that the institution remains responsive to evolving needs.