



## YEARLY STATUS REPORT - 2022-2023

### Part A

#### Data of the Institution

##### 1.Name of the Institution

Dhanalakshmi Srinivasan  
Engineering College

- Name of the Head of the institution **Dr D Shanmugasundaram**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone No. of the Principal **04328220333**
- Alternate phone No. **04328220333**
- Mobile No. (Principal) **9514000227**
- 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/pdf/aqar/2021-2022.pdf>

**4. Was the Academic Calendar prepared for that year?** **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <https://www.dsengg.ac.in/pdf/2022-2023-ODD.pdf>

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.05</b>	<b>2015</b>	<b>03/03/2015</b>	<b>31/12/2025</b>

**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
<b>Department</b>	<b>Workshop</b>	<b>INSA</b>	<b>11/08/2022</b>	<b>50000</b>

**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** **12**

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken **Yes**

uploaded on the institutional website?

- 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**

- If yes, mention the amount

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

- The Departments of Bio Medical Engineering, Electrical and Electronics Engineering & Electronics and Communication Engineering are Re-Accredited by NBA for a period of Three Years from 2022 to 2025.
- Established Center of Excellence in Manufacturing, Center of Excellence in Design powered by Autodesk Fusion 360 and also Center of Excellence in Youth Empowerment alliance with Atos Prayas Foundation, ICT Academy Chennai
- International MOU were also signed between DSEC and Cihan University, Iraq
- Mass Technical Festival Project Expo-IGNITRA 2022 and Technical Symposium-UNIQUE 2022 were conducted.
- Skill Development Training programmes were organized in various domains.

**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
Enhanced Teaching Learning- Flipped Learning	Introduced and successfully implemented in all subjects for 1 units
NBA Accreditation work	Successfully completed NBA Visit and received Re-Accreditation status for 3 Departments.
Skill Development Courses	PCB Design, Lab View, Lean Six sigma belt, Autodesk, Power BI
Incubation and IPR	Conducted Programme on IPR awareness and signed MOU with NSKD Solutions for guiding our faculty in Patent Filing.
Institutional Collaboration	20 MOUs were signed inclusive of 1 International MOU
Academic Regulation	Drafted and received approval from Academic Council for 2023 Regulation-UG and PG Programmes.

**13. Was the AQAR placed before the statutory body?** Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Body	22/12/2023

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

- Year

**Part A****Data of the Institution**

<b>1.Name of the Institution</b>	Dhanalakshmi Srinivasan Engineering College
• Name of the Head of the institution	Dr D Shanmugasundaram
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04328220333
• Alternate phone No.	04328220333
• Mobile No. (Principal)	9514000227
• Registered e-mail ID (Principal)	principal@dsengg.ac.in
• Address	Thuraiyur Road, Perambalur
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• Pin Code	621212
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• 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				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://dsengg.ac.in/pdf/aqar/2021-2022.pdf">https://dsengg.ac.in/pdf/aqar/2021-2022.pdf</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.dsengg.ac.in/pdf/2022-2023-ODD.pdf">https://www.dsengg.ac.in/pdf/2022-2023-ODD.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.05	2015	03/03/2015	31/12/2025
<b>6.Date of Establishment of IQAC</b>			14/03/2014		
<b>7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?</b>					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Department	Workshop	INSA	11/08/2022	50000	
<b>8.Provide details regarding the composition of the IQAC:</b>					
• Upload the latest notification regarding the composition of the IQAC by the HEI	<a href="#">View File</a>				
<b>9.No. of IQAC meetings held during the year</b>	12				
• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes				

<ul style="list-style-type: none"> <li>• If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	<p>No File Uploaded</p>
<p><b>10. Did IQAC receive funding from any funding agency to support its activities during the year?</b></p>	<p>No</p>
<ul style="list-style-type: none"> <li>• If yes, mention the amount</li> </ul>	
<p><b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b></p>	
<ul style="list-style-type: none"> <li>• The Departments of Bio Medical Engineering, Electrical and Electronics Engineering &amp; Electronics and Communication Engineering are Re-Accredited by NBA for a period of Three Years from 2022 to 2025.</li> </ul>	
<ul style="list-style-type: none"> <li>• Established Center of Excellence in Manufacturing, Center of Excellence in Design powered by Autodesk Fusion 360 and also Center of Excellence in Youth Empowerment alliance with Atos Prayas Foundation, ICT Academy Chennai</li> </ul>	
<ul style="list-style-type: none"> <li>• International MOU were also signed between DSEC and Cihan University, Iraq</li> </ul>	
<ul style="list-style-type: none"> <li>• Mass Technical Festival Project Expo-IGNITRA 2022 and Technical Symposium-UNIQUE 2022 were conducted.</li> </ul>	
<ul style="list-style-type: none"> <li>• Skill Development Training programmes were organized in various domains.</li> </ul>	
<p><b>12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</b></p>	
Empty space for the plan of action and outcome	

Plan of Action	Achievements/Outcomes
Enhanced Teaching Learning- Flipped Learning	Introduced and successfully implemented in all subjects for 1 units
NBA Accreditation work	Successfully completed NBA Visit and received Re-Accreditation status for 3 Departments.
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Academic Regulation	Drafted and received approval from Academic Council for 2023 Regulation-UG and PG Programmes.
<b>13. Was the AQAR placed before the statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name of the statutory body	Date of meeting(s)
<b>Governing Body</b>	<b>22/12/2023</b>
<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Year</li> </ul>	
Year	Date of Submission
<b>2023</b>	<b>05/04/2024</b>



**15.Multidisciplinary / interdisciplinary**

In the academic year 2022-2023, Dhanalakshmi Srinivasan Engineering College (DSEC) significantly advanced multidisciplinary and interdisciplinary preparedness through various initiatives. The college organized research collaborations, including a major discussion with Cihan University, Iraq leading to the MOU signing for further process. Students actively participated in competitions like the Sustainability Hackathon where they applied knowledge from fields such as computer science, mechanical engineering, and robotics. The college also conducted workshops and training programs on Lab View, Lean Six Sigma, PCB Design, Autodesk, Power BI attended by over 300 students from diverse departments. Seminars on topics like wastewater treatment and media optimization bridged fields like environmental science, biotechnology, and engineering. Industrial visits and guest lectures provided exposure to real-world interdisciplinary applications. Through these efforts, DSEC promoted a collaborative learning environment, equipping students and faculty with the skills and knowledge necessary to address complex, cross-disciplinary challenges in modern industry and research.

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

Awareness had been given to all faculty member and COE section is in process of implementing ABC to all students in forthcoming year.

**17.Skill development:**

"Lean Six Sigma Yellow Belt" by Micro small Medium Enterprise-MSME through Centre of Excellence in Manufacturing. "Advanced C# and .Net Programming" by Capegemini through Centre of Excellence for Women Empowerment. Product Design Engineer using Autodesk Fusion 360 powered by Autodesk Training Programme on "Lab view, VLSI and PCB Design" by National Small Industry Corporation (NSIC). Student Welfare Cell conducted 22 activities like Flash Mob Event, Debate, Quiz, Painting, Drawing etc., through NSS, ECO Club, Energy Club, Water Club, FAA, Idea Club, RRC, YRC, DSEC Talk Club CSR Sponsored Life Skill Training Program, Dated: 07.03.2023 to 10.03.2023 in association with Rubicon Skill Development Pvt Ltd, Pune.

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

In the 2023 academic regulation, Dhanalakshmi Srinivasan

Engineering College has thoughtfully integrated the Indian Knowledge System (IKS) by introducing culturally rich and regionally significant courses such as ?????????? (Heritage of Tamils) and ?????????? ?????????????????? (Tamils and Technology) as 1-credit courses across all departments. These courses aim to promote awareness and appreciation of Tamil heritage, language, and the profound contributions of Tamils to various technological advancements. By offering these courses in Tamil, the initiative aligns with the vision of teaching in Indian languages, fostering a deeper understanding of regional culture and values among students. This approach not only preserves the rich cultural heritage but also highlights the historical and technological contributions of Tamils, integrating traditional knowledge with modern education. Such interdisciplinary integration helps students connect with their roots while gaining insights into indigenous knowledge systems, enhancing their holistic education and promoting pride in Indian traditions and innovations.

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

Dhanalakshmi Srinivasan Engineering College (DSEC) implements Outcome-Based Education (OBE) to align its academic programs with industry standards and societal needs. The curriculum is meticulously designed with Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) that focus on equipping students with essential skills and knowledge. OBE at DSEC emphasizes student-centered learning through active methodologies such as project-based learning, internships, and hands-on training, allowing students to apply theoretical concepts to real-world challenges. Continuous assessment methods, including formative and summative evaluations, ensure the consistent monitoring of student progress toward learning outcomes. Additionally, DSEC’s close collaboration with industry ensures that the curriculum is regularly updated to meet evolving market demands. Skill Development Programme further enhance students’ employability. This approach nurtures graduates who are not only technically proficient but also well-rounded, making them ready for employment, higher education, and innovation in a global context.

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

Not applicable

**Extended Profile**

**1.Programme**

1.1	22
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>2.Student</b>	
2.1	4566
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>
2.2	962
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.3	4566
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	1210
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.2	404
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3 Number of sanctioned posts for the year:	<b>404</b>
<b>4. Institution</b>	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	<b>1632</b>
4.2 Total number of Classrooms and Seminar halls	<b>111</b>
4.3 Total number of computers on campus for academic purposes	<b>1000</b>
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	<b>79842731</b>
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curriculum Design and Development</b>	
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.	
<p>Our institution's curricula are designed to meet local, national, regional, and global developmental needs, ensuring relevance through Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs). As an autonomous institution under Anna University, we enjoy academic flexibility, allowing us to incorporate recent technological advancements into our courses. We emphasize not only technical knowledge but also skill development to enhance student competencies. Adhering to outcome-based education, all course outcomes are designed and mapped in alignment with POs and PSOs, with input from stakeholders such as</p>	

industry experts and academia. The curriculum spans basic engineering sciences, humanities, professional core, professional electives, and employability enhancement courses, offering students the flexibility to select electives based on their interests. Both UG and PG programs include CGPA and non-CGPA courses, which enable students to build expertise in core subjects while acquiring additional skills. The curriculum is regularly reviewed by the Board of Studies and approved by the Academic Council.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

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

22

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

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

42

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

**1.2 - Academic Flexibility****1.2.1 - Number of new courses introduced across all programmes offered during the year**

42

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

22

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

**1.3 - Curriculum Enrichment**

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

Our institution integrates key cross-cutting issues such as Professional Ethics, Gender, Human Values, Environment, and Sustainability into the curriculum, fostering holistic development in students. Courses on professional ethics are embedded across programs to instill a strong moral compass and ethical decision-making skills. Gender sensitivity is promoted through various workshops, seminars, and discussions, ensuring inclusivity and equality. Human values, essential for nurturing empathy and integrity, are addressed through humanities and social sciences courses, as well as co-curricular activities.

Environmental awareness and sustainability are emphasized through dedicated courses, projects, and initiatives aimed at addressing global challenges such as climate change and resource conservation. Students actively engage in projects related to

sustainable development, clean energy, and ecological conservation, preparing them to contribute responsibly to society. By integrating these themes, the curriculum ensures that graduates are not only technically proficient but also socially responsible and ethically grounded in their professional and personal lives.

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

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

23

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

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

1042

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	No File Uploaded

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

782

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

#### 1.4 - Feedback System

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

**A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://www.dsengg.ac.in/dsengg-students-corner.php">https://www.dsengg.ac.in/dsengg-students-corner.php</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

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

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

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://www.dsengg.ac.in/dsengg-academic-scc-grc.php">https://www.dsengg.ac.in/dsengg-academic-scc-grc.php</a>
Any additional information	<b>No File Uploaded</b>

#### 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

**1428**



File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

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

1266

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

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

and internal assessments. Counselors, along with class teachers, regularly monitor student progress after each assessment. Parents are kept informed through letters detailing assessment scores, attendance, and university results, with progress reports mailed twice per semester.

To support slow learners, mentors provide personalized guidance, organize special classes, and arrange one-on-one interactions. Workshops and seminars are conducted to enhance study skills, time management, and exam preparation techniques. Remedial classes, university question banks, and collaborative learning experiences, such as group projects, help slow learners improve their understanding through peer support. Bridge courses are also offered when necessary.

Advanced learners are encouraged to participate in academic competitions and events, pushing them to aim for university rankings and higher achievements. Special programs organized by counseling cell coordinators ensure both slow and advanced learners receive the necessary support to succeed academically.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

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

Year	Number of Students	Number of Teachers
14/04/2023	4566	404

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

### 2.3 - Teaching- Learning Process

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

The college provides an effective platform for students to develop updated skills, knowledge, attitudes, and values, shaping their behavior with professional ethics. All departments conduct innovative programs that stimulate students' creative abilities and provide a platform to nurture their problem-solving skills, ensuring participative learning. The institute organizes Tech Day, where students showcase their learning through innovative ideas. Additionally, students are encouraged to participate in intercollege and national level competitions. The institute emphasizes student-centric methods to enhance lifelong learning skills. Faculty members strive to make learning activities more interactive by adopting student-centric methods.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

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

#### ICT TOOLS

The use of ICT tools helps faculty members engage students in effective learning, extending education beyond the classroom. Every classroom at our institute is equipped with an interactive projector, audio and video systems, and internet access. This setup allows instructors and students to utilize both ICT-enabled and conventional chalk-talk learning methods.

Faculty members are encouraged to use online resources to enhance the teaching-learning process. Each faculty member pursues an online course every semester related to their subject to stay updated, which helps them prepare well for lectures. The use of NPTEL videos and conceptual videos adds value to our teaching-learning process. Virtual labs (hosted by IIT), simulation tools, and software provide students with in-depth knowledge of the subject.

IQAC encourages learning beyond the classroom environment through a Learning Management System (LMS). Google Classroom is created for all courses, allowing students to access learning resources anytime. Faculty members initiate and implement innovative learning methods to enhance student learning effectively.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://www.youtube.com/channel/UC81XEbft_sU02VvTztSjQfw">https://www.youtube.com/channel/UC81XEbft_sU02VvTztSjQfw</a>
Upload any additional information	No File Uploaded

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

#### 2.3.3.1 - Number of mentors

220

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

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

## Adherence to the Academic Calendar

Considering the list of government holidays, department event calendar, internal test schedule, and the university calendar, the tentative institute academic calendar is created by IQAC and approved by the Principal. The Academic Audit Committee ensures that department activities align with the academic calendar. In case of discrepancies or unexpected holidays due to natural calamities, compensatory working days are scheduled.

## Course Plan

The course plan includes the syllabus, course objectives, learning outcomes for individual units, a list of references (textbooks, reference books, and web resources), usage of teaching aids, planning of assessment tests and assignment submissions, details of assignment topics, and content beyond the syllabus (if identified). Course instructors are required to prepare the course plan before the semester begins for their allotted courses, including both theory and laboratory courses. The course plan is provided to students from day one to ensure strict adherence. This approach not only enriches the motivational perspective of the course instructor but also enhances student focus on the course. The teaching-learning process is reviewed by the Head of the Department based on the data recorded in the logbook.

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

## 2.4 - Teacher Profile and Quality

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

404

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

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

76

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

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

1838.8

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

30

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

270

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	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 employed throughout the examination process, from pre-examination steps like creating a list of eligible candidates, assembling invigilator teams, and creating attendance sheets, to post-examination tasks such as recording attendance, tabulating results, and granting certificates. Timetables are posted on notice boards. The Controller of Examinations, along with the Examination Committee, oversees the examination process. Attendance sheets and answer booklets are provided to invigilators. The Chief Superintendent of Examinations confidentially sends the question papers to the exam rooms, and after the exam, invigilators collect and submit the booklets to the Controller of Examinations. The final semester exams, both theory and practical, carry 100 marks each. The Exam Cell publishes grade lists with necessary security features. Final degree certificates are issued by Anna University. Increased flexibility in continuous assessment techniques allows for the improvement of internal marks.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

## 2.6 - Student Performance and Learning Outcomes

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

Curriculum compliance refers to the methodical examination of the university-mandated curriculum to determine the level of proficiency of curricula and their contents in achieving program-specific and overall outcomes.

The study/investigation is conducted by the Department Quality Improvement Committee (DQIC) to determine if the curriculum and their contents systematically and purposefully give students opportunity to acquire the necessary information, skills, and attitudes. This procedure aids in determining the discrepancy between program outcomes and university curricula. Correction or remediation follows identification. The course teachers received procedural training related to Outcome Based Education (OBE). Modules are created by grouping pertinent courses together based on their contents. Revised Bloom's taxonomy is used to determine the knowledge level of each course's contents.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Link for additional Information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

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

Assessment Tools are categorized into direct and indirect methods to assess the Program Outcomes (PO) and Program Specific Outcomes (PSO).

Direct Assessment Tool: Continuous internal evaluation, University examinations are used for CO calculation. The values are

calculated for individual course are formulated and summed for assessing the POs. The weighted average of the POs for all the courses is calculated.

**Indirect Assessment Tool: Alumni Survey/Employer Survey/Program Exit Survey and Co-Curricular Survey**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

### 2.6.3 - Pass Percentage of students

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

**944**

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

### 2.7 - Student Satisfaction Survey

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

[https://www.dsengg.ac.in/pdf/SSS%2022-23%20\(1\).pdf](https://www.dsengg.ac.in/pdf/SSS%2022-23%20(1).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

**Our institution is committed to advancing knowledge and addressing real-world engineering challenges through research. To ensure our researchers have access to the best tools, our facilities are**



regularly upgraded with state-of-the-art equipment, advanced labs, and specialized software for cutting-edge experimentation, simulation, and analysis. We take pride in our transparent and clearly defined research promotion policy, which is available on the institutional website. This policy outlines the standards of excellence, research-based career progression procedures, and evaluation criteria, ensuring fairness and equal opportunities for all.

This policy fosters a dynamic research culture where faculty and students collaborate across disciplines, producing impactful research published in reputable journals. Our research not only enhances academic quality but also delivers practical solutions for industries and communities, positioning our institution at the forefront of innovative engineering research.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://www.dsengg.ac.in/pdf/rd/Policy-RDC-Research-DSEC.pdf">https://www.dsengg.ac.in/pdf/rd/Policy-RDC-Research-DSEC.pdf</a>
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)

186400

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
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

8

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

### 3.2 - Resource Mobilization for Research

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

104000

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	No File Uploaded
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	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>
List of research projects during the year	<a href="#">View File</a>

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

7

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	No File Uploaded
Institutional data in Prescribed format	<a href="#">View File</a>

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

5

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>
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 institution has built a dynamic ecosystem for innovation, knowledge creation, and transfer, supported by dedicated centers for research, entrepreneurship, and community engagement. Through strong industry partnerships and an entrepreneurial cell, we foster a culture of creativity and hands-on learning. The institution's community orientation encourages both students and

faculty to work on projects addressing local challenges, benefiting the rural population.

Our incubation center provides vital support to budding entrepreneurs, helping them transform innovative ideas into successful ventures. Innovation challenges and networking activities further enhance students' exposure and confidence. Despite being located in a rural area, the institution's commitment to excellence ensures that students are well-prepared to tackle real-world engineering challenges. This holistic approach empowers them to make a meaningful impact on the development of their communities and beyond.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/pdf/IICOfficeBearers.pdf">https://www.dsengg.ac.in/pdf/IICOfficeBearers.pdf</a>

### 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	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
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	<a href="#">View File</a>
Any additional information	No File Uploaded

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

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

3

File Description	Documents
URL to the research page on HEI website	<a href="https://www.dsengg.ac.in/about-randd.php">https://www.dsengg.ac.in/about-randd.php</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	No File Uploaded

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

78

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

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

33

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

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

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

167

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	<a href="#">View File</a>

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

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

17

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.5 - Consultancy

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

5710500

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	No File Uploaded
Any additional information	<a href="#">View File</a>

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

1160750

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

### 3.6 - Extension Activities

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

At our college, students actively participated in extension activities aimed at addressing social issues while fostering their holistic development. Throughout the year, they worked on projects related to sustainable infrastructure, clean energy, and community well-being. These efforts included hands-on involvement in local communities, where students engaged with residents to better understand their needs and challenges.

The institution also promoted the formation of student clubs focused on social causes, organizing workshops and awareness campaigns on topics like education, digital literacy, and

environmental conservation. These initiatives not only helped shape students into socially responsible citizens but also made a positive impact on nearby communities by improving living conditions and raising awareness.

Through these extension activities, our students grew as compassionate and socially conscious engineers, actively contributing to the betterment of society.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

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

30

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

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

19

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	No File Uploaded

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

2164



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

239

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
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	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

The institution provides excellent infrastructure, surpassing the minimum requirements set by statutory bodies. Each department is equipped with state-of-the-art laboratories and ICT-enabled classrooms to enhance the teaching-learning process. The infrastructure aligns with the institution's vision to promote student innovation, teamwork, and leadership in facing global

challenges.

At the beginning of each academic year, a detailed assessment is conducted to address the need for upgrading or adding facilities. This is based on course requirements, computer-to-student ratios, and inputs from department heads and technical staff.

To ensure effective usage, faculty receive training on new technologies, and the institution employs skilled lab technicians and system administrators. The physical infrastructure is used beyond regular hours for activities such as certificate programs, seminars, campus recruitment training, parent-teacher meetings, and conferences. This approach maximizes the infrastructure's utility, contributing to an enriched learning environment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.dsengg.ac.in">www.dsengg.ac.in</a>

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

Sports and extracurricular activities form a key part of the Institute's Skill Courses, fostering student engagement and holistic development. The institute provides excellent facilities for sports, games, and cultural events, with students excelling in various competitions at state and national levels, earning numerous accolades.

The campus features three large playgrounds supporting a range of sports, including basketball, volleyball, cricket, football, hockey, and kho-kho, along with gymnasiums and tennis courts. A well-equipped auditorium caters to cultural events and functions.

Regular intra- and inter-facility games and tournaments are held annually, offering students opportunities to showcase their talents. The institute supports both outdoor and indoor sports, including badminton, volleyball, basketball, carrom, table tennis, and chess, with specialized training provided to prepare students for Zonal and Inter-Zonal competitions.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

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

15

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

28549884

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 4.2 - Library as a Learning Resource

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

The library offers online and e-journal access through DELNET services. It boasts a large and constantly growing collection of online resources, including NPTEL, e-journals, e-books, and more. These e-resources are accessible from anywhere on campus at any time, thanks to campus-wide unlimited access. Users can access the Online Public Access Catalogue (OPAC) via the NIRMALS library software. Library materials and services are automated using the commercial software package NIRMALS, with all transactions fully

computerized. Bar-coded IDs and scanners are used for efficient charging and discharging of books.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

**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	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>

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

**711778**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

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

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

**250**

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
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 a dedicated Internet leased line, connected to over a thousand terminals throughout the campus. This allows students and faculty unrestricted access to the internet. The high-speed connection aids students in preparing papers on the latest technologies for various symposiums and seminars. Students interested in studying abroad can take tests such as GRE and TOEFL, participate in online mock tests, and browse websites of universities and higher education centers worldwide. The fast access speed enables efficient downloading and uploading of files for both students and staff.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4566	1000

File Description	Documents
Upload any additional information	No File Uploaded

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	<a href="#">View File</a>
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

D. Any one of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

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

3681795

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
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 various committees to ensure the best allocation and utilization of financial resources for the maintenance and upkeep of facilities, using grants received as needed in the students' best interests.

Laboratory: Maintenance is overseen by the lab technician in charge, the lab technician, and the Heads of Departments (HODs).  
Laboratory upkeep includes:

- Calibration, repair, and maintenance of sophisticated lab equipment by technicians from related enterprises.
- Creating reports on lost or damaged materials, repairs made, and new equipment installations.
- Under the supervision of the system administrator, lab assistants maintain the functionality of college computers and their accessories.

**Sports:** The upkeep of sports equipment is overseen by College Physical Directors.

**Library:** The involved departments provide a list of needed books and requirements, with HODs participating in the process. The Principal approves and signs the finalized list of required books. To ensure the return of books, students must obtain 'no dues' clearance from the library before taking exams. The library committee also addresses other issues, such as weeding out outdated titles and scheduling book issues and returns.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

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

3920

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

125

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>
<b>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</b>	<b>A. All of the above</b>
File Description	Documents
Link to Institutional website	<a href="http://www.dsengg.ac.in">www.dsengg.ac.in</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	No File Uploaded
<b>5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year</b>	
<b>1200</b>	
File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>
<b>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</b>	<b>A. All of the above</b>



<b>through appropriate committees</b>	
File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
<b>5.2 - Student Progression</b>	
<b>5.2.1 - Number of outgoing students who got placement during the year</b>	
<b>805</b>	
File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
<b>5.2.2 - Number of outgoing students progressing to higher education</b>	
<b>23</b>	
File Description	Documents
Upload supporting data for students/alumni	<b>No File Uploaded</b>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
<b>5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year</b>	
<b>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</b>	
<b>0</b>	

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

38

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded

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

The Student Council, acting as a "Student Parliament," is a dynamic advisory body at the institution, comprising student representatives from all departments, club heads, sports captains, and activity coordinators. With 50 members (45 from 15 undergraduate departments and 5 from postgraduate departments), the council plays a pivotal role in organizing and managing curricular, co-curricular, and extracurricular activities.

Each council member is designated a specific role, fostering leadership and responsibility. The council organizes events, prepares reports, and ensures proper communication of event details across the student body. Additionally, it oversees the peer learning platform, where senior students and alumni mentor juniors, sharing knowledge and insights to help them explore their potential.

By actively involving students in decision-making and event management, the Student Council empowers them to develop essential skills, enhances collaboration, and ensures that student issues are effectively addressed, contributing to a vibrant and inclusive campus environment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/dsengg-academic-scc-wc.php">https://www.dsengg.ac.in/dsengg-academic-scc-wc.php</a>

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

50

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.4 - Alumni Engagement

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

The Dhanalakshmi Srinivasan Engineering College (Autonomous) Alumni Association (DSEC(A)), registered under Tamil Nadu Societies Registration Rules with the number SRG/Ariyalur/351/2019, has been instrumental in the development of the institution since its inception on November 27, 2019. The association, headquartered in Ariyalur, aims to foster education, strengthen the network between past and present students, and support various institutional initiatives.

The alumni actively participate in Annual General Body Meetings held in November and have been consistently engaged in multiple activities. Alumni contribute significantly through mentorship, curriculum development inputs, project guidance, entrepreneurship assistance, and placement support. They frequently visit the campus to interact with students, share their professional experiences, and guide them toward success. Their involvement extends beyond mentorship, as they also help raise resources for the institution. The alumni network plays a crucial role in enhancing the institution's growth and maintaining a strong connection between generations of students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://alumni.dsengg.ac.in/">https://alumni.dsengg.ac.in/</a>

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

D. 2 Lakhs - 5 Lakhs

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

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

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

The governance of Dhanalakshmi Srinivasan Engineering College exemplifies strong, visionary leadership aligned with the institution's mission and vision. The administration fosters an environment of academic excellence and innovation by implementing strategic initiatives that enhance teaching, research, and community engagement. Leadership supports faculty and student development through programs such as faculty development initiatives, student enrichment activities, and collaborations with industry and international institutions.

A focus on continuous improvement is evident in the wide range of achievements, including accolades for both faculty and students, active participation in research, and successful industry placements. The leadership emphasizes transparency, accountability, and inclusivity, ensuring that every stakeholder contributes to the institution's progress.

By promoting a culture of innovation, sustainability, and global competitiveness, the governance ensures that the institution remains forward-thinking, while empowering departments and individuals to achieve their full potential in alignment with the college's goals.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.dsengg.ac.in/dsengg-about-qualitypolicy.php">https://www.dsengg.ac.in/dsengg-about-qualitypolicy.php</a>

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

Effective leadership at Dhanalakshmi Srinivasan Engineering College is demonstrated through practices such as decentralization and participative management. The institution encourages a collaborative decision-making process, empowering department heads, faculty, and staff to actively participate in the governance and development of the college. This decentralized approach allows for greater autonomy at various levels, fostering innovation and responsiveness to emerging challenges.

By involving multiple stakeholders in strategic planning and operational execution, the institution ensures that diverse perspectives are considered, leading to more informed and inclusive decision-making. Participative management not only enhances accountability but also promotes a sense of ownership among the faculty and staff, driving them to contribute to the institution's overall growth.

These leadership practices create a dynamic and adaptive environment, where all members work together towards the shared goals of academic excellence, research advancement, and community development. This collaborative approach strengthens the institution's ability to achieve its vision and mission.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

**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 of Dhanalakshmi Srinivasan Engineering College has been clearly articulated and effectively implemented to achieve its vision of academic excellence, research innovation, and global recognition. The plan focuses on key areas such as accreditation, program expansion, research development, industry collaboration, and faculty and student growth.

Accreditation efforts, including NBA, NAAC Cycle II, and ABET, are underway to enhance institutional credibility. New UG and PG programs aligned with industry needs have been introduced, while curriculum revisions ensure students stay current with the latest trends. Faculty development, R&D projects, and entrepreneurship initiatives are prioritized to promote innovation and leadership.

Industry collaborations, MoUs, and enhanced placement training ensure students are industry-ready. Value-added courses, GATE coaching, and online certifications further enrich the student experience. The institution has a robust mechanism for implementing these initiatives through regular meetings, evaluations, and stakeholder involvement, ensuring continuous progress and alignment with its goals.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>
Upload any additional information	<a href="#">View File</a>

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

The functioning of the various institutional bodies at Dhanalakshmi Srinivasan Engineering College is both effective and efficient, as evidenced by its well-structured policies, administrative set-up, and clear appointment and service rules. These institutional frameworks ensure smooth governance and promote a culture of accountability and transparency.

Key policies govern academic standards, research, and faculty development, while administrative procedures are streamlined to

facilitate decision-making at all levels. The decentralized management system allows for participative governance, enabling department heads and faculty members to contribute to institutional development.

Appointment and service rules are clearly defined, ensuring merit-based hiring and professional growth opportunities. Faculty are encouraged to pursue research, attend professional development programs, and contribute to the institution's academic and co-curricular goals.

Regular administrative and academic council meetings further ensure that institutional procedures are aligned with strategic goals, contributing to the overall efficiency of the institution. The institution's proactive approach in addressing issues through structured processes enables it to achieve high standards in governance and operations.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://www.dsengg.ac.in/pdf/HR-Manual-24.pdf">https://www.dsengg.ac.in/pdf/HR-Manual-24.pdf</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

### 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	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
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

Our institution is deeply committed to the welfare and career development of both teaching and non-teaching staff, offering a broad range of comprehensive support measures. Key welfare initiatives include health insurance, medical and maternity leave, earned leave, and fee concessions for staff children. Additionally, financial advances are available for school fees and festivals. To promote well-being, the institution provides access to gym and recreation facilities, affordable transportation services, on-campus medical care, and various food centers. Free WiFi and internet services are also available across the entire campus.

In terms of career development, the institution regularly conducts Faculty Development Programs (FDPs) to strengthen teaching skills and subject knowledge for faculty members. Non-teaching staff are also offered opportunities to enhance their skills through specialized development courses. Sponsorships are provided for staff to attend and present research at national and international conferences, encouraging academic engagement. Additionally, the institution supports staff in publishing research, further facilitating their professional growth.

By offering these extensive welfare and development programs, our institution ensures a nurturing and supportive environment, empowering staff to thrive both personally and professionally. These initiatives not only improve staff well-being but also contribute to their career progression and overall satisfaction.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/pdf/HR-Manual-24.pdf">https://www.dsengg.ac.in/pdf/HR-Manual-24.pdf</a>

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

55



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)	<a href="#">View File</a>

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

20

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

119

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

## 6.4 - Financial Management and Resource Mobilization

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

The institution has a well-established system for conducting regular internal and external financial audits to ensure transparency and financial compliance. Internal audits are conducted biannually by the institution's internal financial committee. This committee meticulously reviews income and expenditure details, and the compliance report is submitted to the

management through the principal.

Additionally, an external audit is carried out annually by an independent agency to further ensure financial accountability.

To monitor the efficient use of financial resources, the principal submits a budget proposal before the start of each financial year, based on recommendations from department heads. The college budget covers recurring expenses, including salaries, utilities, maintenance, and consumables, as well as non-recurring expenses like lab equipment, furniture, and development costs.

The accounts department closely monitors all expenditures, adhering to the approved budget. Depreciation costs for items purchased in previous years are also calculated to maintain accurate financial records. This system ensures effective financial management and accountability.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

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

0.5

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

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

The institution follows a structured strategy for the mobilization of funds and the optimal utilization of resources. This process involves various institutional committees, department heads, and the accounts office, all working under specific rules designed for effective fund usage and resource management.

**Mobilization of Funds:**

The primary source of income for the institution is student tuition fees. Additionally, the management provides need-based loans to individual departments or colleges. Events like seminars and workshops are supported through sponsorships from government and non-government agencies. Sponsorships are also secured from individuals and corporate entities for cultural events and fests.

**Utilization of Funds:**

A dedicated committee oversees the optimal utilization of funds for both recurring and non-recurring expenses. For purchases such as equipment, books, or computers, the purchase committee solicits quotations from various vendors. These quotations are evaluated by the finance and purchase committees based on pricing, quality, and service terms. The principal, finance, and purchase committees, along with the accounts department, ensure expenditures stay within the allotted budget. In cases where expenditures exceed the budget, the management's intervention is sought for resolution.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

**6.5 - Internal Quality Assurance System**

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

The Internal Quality Assurance Cell (IQAC) has played a crucial role in institutionalizing quality assurance strategies and processes, contributing to significant incremental improvements over the past year. In terms of incremental improvements, the IQAC has actively monitored and enhanced academic and administrative functions. This includes continuous evaluation of teaching methodologies, promoting research culture, and organizing regular Faculty Development Programs (FDPs) to keep faculty updated on the latest teaching trends.

The IQAC also initiated new mechanisms for student support, such

as skill enhancement workshops, career counseling sessions, and internship opportunities. Additionally, efforts were made to strengthen industry-institution partnerships, resulting in improved placement rates and industry-linked projects.

For post-accreditation quality initiatives, the IQAC focused on expanding infrastructure, upgrading lab facilities, and enhancing digital resources. An emphasis was placed on encouraging more faculty publications, obtaining research grants, and filing patents. Furthermore, quality audits, such as academic and administrative audits, were regularly conducted to ensure continuous improvement in processes.

These efforts have contributed to a culture of sustained quality enhancement and overall institutional growth.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

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

The institution ensures the continuous review and improvement of its teaching-learning process, structures, and methodologies through its Internal Quality Assurance Cell (IQAC). This review process is conducted at regular intervals and follows established norms to uphold academic excellence.

**Key Strategies:**

- **Teaching-Learning Process:** IQAC regularly assesses the effectiveness of teaching methodologies by reviewing classroom delivery, student performance, and feedback from students and faculty. Innovative pedagogical techniques, such as flipped classrooms, project-based learning, and the integration of ICT tools, are introduced and evaluated for their impact on learning outcomes.
- **Operational Structures:** The IQAC critically examines administrative processes related to academic scheduling, student support systems, and resource management. These reviews focus on enhancing efficiency and ensuring the smooth functioning of academic operations.

- **Learning Outcomes:** Learning outcomes are evaluated through periodic assessments, analyzing student results, project completion, and skill acquisition. This process ensures that the curriculum meets industry standards and prepares students for professional challenges.

**Stakeholder Engagement:** IQAC engages faculty, students, and external experts to gather feedback and recommendations. Faculty input drives improvements in curriculum design, while student feedback helps refine teaching approaches and support services.

**Implementation and Improvement:** Based on these reviews, IQAC recommends changes that lead to the introduction of new courses, revisions to syllabi, training workshops for faculty, and enhanced support systems for students. The institution's commitment to continuous improvement ensures that educational practices are aligned with global standards, promoting student success and overall academic growth

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.dsengg.ac.in/">https://www.dsengg.ac.in/</a>

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

**B. Any 3 of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://www.dsengg.ac.in/pdf/News-letter-Vol-8.pdf">https://www.dsengg.ac.in/pdf/News-letter-Vol-8.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	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 outstanding and diverse work environment rooted in strong ethical principles. Upholding the highest ethical standards in all its endeavors, it ensures equal opportunities for all individuals.

**Education and Awareness:** Promoting gender equity begins with educating individuals about its importance and challenging gender stereotypes. The institution conducts public campaigns, health care programs, awareness programs on gender equality, and educational initiatives aimed at altering societal attitudes and perceptions.

**Empowerment and Leadership Programs:** The institution promotes gender equity through training, mentoring, and leadership development programs tailored for women. These initiatives aim to enhance their skills, confidence, and representation across various fields.

**Social Security:** The institution ensures social security through its Anti-Ragging Committee and Grievance Redressal Committee, providing a safe environment for all members of the community.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.dsengg.ac.in/dsengg-academic-scc-wc.php">https://www.dsengg.ac.in/dsengg-academic-scc-wc.php</a>

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

**B. Any 3 of the above**

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

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

**The institution has implemented a robust system for managing both degradable and non-degradable waste, supporting sustainability.**

**Degradable Waste Management:**

- **Biogas Generation:** Food waste from hostel kitchens is used as a key input for a biogas generator, producing one cylinder of biogas daily as an alternative energy source.
- **Composting:** Farm waste, including organic material from livestock and poultry, is used on the campus farm and for composting.
- **Sanitary Waste:** Incinerators in women's washrooms ensure hygienic disposal of sanitary towels.

**Non-Degradable Waste Management:**

- **Paper Waste:** Classrooms are equipped with dustbins for collecting paper waste, which is cleaned daily and managed for recycling.
- **Plastic and General Waste:** Trash cans in the canteen and hostels help segregate plastic and other non-degradable

waste.

- RO Wastewater Reuse: Liquid waste from RO units is collected and reused to irrigate crops on the campus farm.

#### Awareness:

The institution organizes a Cleaning Campaign every semester, promoting waste segregation and recycling among students.

These initiatives ensure effective management of degradable and non-degradable waste, promoting sustainability across the campus.

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

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

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

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

#### 7.1.5 - Green campus initiatives include

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

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

**B. Any 3 of the above**



File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

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

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

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

C. Any 2 of the above

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

C. Any 2 of the above

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

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

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

The institution fosters students' holistic development through motivational lectures by distinguished professionals, focusing on personality growth, social responsibility, and national values like communal harmony and integration. The Student Welfare Cell supports student clubs that organize events such as New Year's, Fresher's Day, Teacher's Day, Women's Day, Yoga Day, Youth Day, and Science Day. These clubs encourage socialization, experience sharing, and intercultural understanding.

Additionally, the institution celebrates diverse festivals like Pongal, Onam, Ugadi, and Holi, promoting cultural exchange and awareness. To ensure continuous improvement, the institution regularly assesses the effectiveness of its programs in instilling moral, cultural, and spiritual values. Feedback from the college community is used to enhance these initiatives.

Complementing academic and cultural activities, the institution also provides excellent infrastructure for sports, promoting physical well-being and all-around student development.

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

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations:

values, rights, duties and responsibilities of citizens:

The institution promotes constitutional values through a variety of initiatives. Seminars and workshops on constitutional duties, principles, and rights are organized, featuring professionals and lawyers who lead discussions on social justice, equality, and democratic ideals. Human rights education is integrated into the curriculum through courses and seminars, helping students understand the significance of human rights in relation to constitutional requirements.

Student-led initiatives are encouraged to promote "Unity in Diversity," with students actively planning activities that foster engagement with diverse cultures. Celebrating national events like Republic Day and Independence Day reinforces patriotism and unity.

Awareness campaigns, utilizing posters, videos, and social media, emphasize the importance of constitutional obligations, values, and responsibilities. These campaigns inspire individuals to uphold these principles in daily life.

By implementing these measures, the institution fosters a well-informed, engaged community committed to constitutional values, contributing to the development of responsible citizens who positively impact society.

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

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

A. All of the above

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

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

**Independence Day:** Institutions commemorate the national day of independence or liberation with flag-raising ceremonies, patriotic performances, cultural displays, and educational activities. These events honor the nation's history and values.

**Republic Day:** Recognizing the day when the constitution was adopted, institutions conduct seminars, panel discussions, or workshops to raise awareness about the constitution's significance, rights, and responsibilities.

**National Voters' Day:** On January 25, institutions observe Voters Day in collaboration with the Voter Awareness Forum. Programs are organized by the NSS to educate young people about their voting rights.

**World Environment Day:** Institutions focus on environmental sustainability through tree-planting drives, eco-awareness campaigns, recycling initiatives, and educational workshops. These efforts raise awareness about environmental issues and promote sustainable practices.

**International Day of Science:** Highlighting the importance of science, institutions organize quizzes, workshops, and Project Expo events like "IGNITRA" to showcase technical design thinking and innovation.

**Oath Against Drugs:** In response to the growing menace of drug addiction, students take a pledge to say "NO TO DRUGS" to maintain a healthy lifestyle.

**Indian Air Force Day:** Institutions celebrate Indian Air Force Day to honor the sacrifices and achievements of the Air Force and its personnel.

**National Unity Day:** An oath is taken to preserve the unity, integrity, and security of the country on National Unity Day.

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

**CENTER OF EXCELLENCE**

**Goal:**

1. Establishing a Center of Excellence in Design focused on AWS and Microsoft Power BI involves aligning goals, context, practices, and measuring success against defined metrics to ensure continuous improvement and value delivery.

**Context:**

1. The context involves leveraging AWS for cloud infrastructure and services and Microsoft Power BI for data visualization and analytics. The goal is to utilize these platforms effectively to enhance the design process, whether it's for software applications, data-driven insights, or user interface design.

**Practice:**

1. Implement best practices in design thinking, user experience (UX) design, and data visualization.
2. Train team members on AWS services relevant to design, such as AWS Lambda for serverless computing, Amazon S3 for data

storage, and AWS AI/ML services for enhancing user experiences with AI-driven features.

3. Provide extensive training and resources for utilizing Microsoft Power BI effectively for data analysis and visualization.
4. Foster collaboration between design teams, data analysts, and developers to ensure seamless integration of design principles into AWS and Power BI workflows..

**Evidence of Success:**

1. Center of Excellence-Microsoft Power BI and AWS

File Description	Documents
Best practices in the Institutional website	<a href="https://www.dsengg.ac.in/pdf/Best%20Practice%202022-2023.pdf">https://www.dsengg.ac.in/pdf/Best%20Practice%202022-2023.pdf</a>
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)

In 2022-2023, the institution demonstrated its unique identity through a commitment to inclusivity, research excellence, and sustainability. It provided equitable education to underprivileged students, with a special focus on promoting girls' education. The establishment of a research center dedicated to emerging technologies, including artificial intelligence, cloud computing, and electric vehicles, positioned the institution at the forefront of innovation.

Sustainability was a key priority, with energy-efficient LED lighting upgrades, smart energy management systems, recycling programs, and water conservation measures integrated into daily campus operations. The institution also promoted sustainable food practices by offering locally sourced and organic options in its cafeterias.

Additionally, partnerships with industry leaders and skill development programs, including training in Microsoft Power BI and AWS cloud architecture, enhanced students' career readiness. Through co-curricular activities and sustainability initiatives,

the institution provided a holistic educational experience, reinforcing its distinctiveness and leadership in fostering innovation and sustainable practices.

File Description	Documents
Appropriate link in the institutional website	<a href="https://www.dsengg.ac.in/pdf/Institutional%20Distinctiveness.pdf">https://www.dsengg.ac.in/pdf/Institutional%20Distinctiveness.pdf</a>
Any other relevant information	<a href="#">View File</a>

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

The institution's plan for the academic year 2023-2024 is focused on fostering academic excellence, innovation, sustainability, and student development. Key initiatives include:

#### 1. Research and Innovation:

- Expand research activities in artificial intelligence, electric vehicles, and sustainable technologies.
- Increase research collaborations with industries and international institutions.
- Promote student and faculty participation in international conferences and journal publications.

#### 2. Industry Collaboration and Skill Development:

- Launch new certification programs in emerging fields such as data analytics, cloud computing, and cybersecurity.
- Increase industry partnerships for internships and hands-on training programs.
- Organize workshops and hackathons to enhance practical skills.

#### 3. Sustainability Initiatives:

- Expand energy efficiency programs, including solar energy and water conservation systems.
- Strengthen waste recycling efforts and reduce plastic use.
- Continue tree plantation and green campus initiatives.

#### 4. Student Development:

- Increase participation in national and international competitions and symposiums.
- Promote co-curricular and extracurricular activities for holistic development.
- Enhance mental health support and wellness programs.

#### 5. Inclusive Education:

- Strengthen scholarships and support for underprivileged and first-generation learners.
- Promote girls' education and diversity through targeted programs.
- Expand community outreach and education for disadvantaged groups.

#### 6. Infrastructure Upgradation:

- Modernize classrooms, labs, and digital infrastructure to support advanced learning.
- Implement smart campus solutions, including digital resource management and high-speed internet.

This strategic plan for 2023-2024 is aimed at further strengthening the institution's commitment to innovation, sustainability, and inclusive education while providing students with a well-rounded academic experience.