



YEARLY STATUS REPORT - 2023-2024

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://www.dsengg.ac.in/pdf/aqar/aqar%2022-2023-0411.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/2023-2024ODD-III%20IV.pdf>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A	3.05	2015	03/03/2015	31/12/2025

6. Date of Establishment of IQAC

14/03/2014

7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
NIL	NIL	NIL	Nil	NIL

8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9. No. of IQAC meetings held during the year **8**

- 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)

During the current year, the IQAC has made significant contributions, including the initiation and inauguration of an Incubation Centre in collaboration with AIC Raise. The submission of NBA-SAR for five key departments (CSE, AERO, IT, MECH, and MBA) highlights our commitment to quality assurance and accreditation and finally we received the accreditation in the month of June 2024. The IQAC also facilitated an international collaboration with Multimedia University, enabling 20 students to attend a short-term course on Robotics. Our active participation in the NIRF Ranking process underscores our dedication to institutional excellence. Additionally, we have introduced certification courses in AWS, ORACLE, AUTODESK, and Microsoft Power BI Data Analytics to enhance the skillset of our students.

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
Initiatives and Collaborations	Initiated and inaugurated an Incubation Centre in collaboration with AIC Raise.
Accreditations	five departments: CSE, AERO, IT, MECH, and MBA accredited by NBA
International Collaborations	Planned collaboration with Multimedia University. 20 students attended a short-term course on Robotics at the university.
Participation and Rankings	Participated in the NIRF Ranking
Certification Courses Offered	AWS ORACLE AUTODESK Power BI Data Analytics

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

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• if yes, whether it is uploaded in the Institutional website Web link:	https://www.dsengg.ac.in/pdf/2023-2024ODD-III%20IV.pdf				
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Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
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Name of the statutory body	Date of meeting(s)
Governing Body	22/12/2023
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2024	20/01/2025
15. Multidisciplinary / interdisciplinary	
Dhanalakshmi Srinivasan Engineering College (DSEC) fosters a culture of multidisciplinary and interdisciplinary learning to address complex real-world challenges. The institution promotes	

collaborative projects integrating diverse fields such as robotics, biotechnology, AI, and mechanical engineering. Students engage in hands-on capstone projects, workshops, and competitions that combine technology, science, and design principles. Specialized courses like Wind Tunnel Testing, AWS Cloud Architecture, and Power BI ensure holistic skill development. Faculty and students collaborate on groundbreaking research, contributing to innovative solutions like the Menstrual Auto-Based Flow Detector. Through international partnerships, students gain exposure to global interdisciplinary practices. By embedding cross-domain learning in its academic and research programs, DSEC equips graduates with the adaptability and problem-solving skills essential for future-ready professionals.

16.Academic bank of credits (ABC):

Awareness had been given to all faculty members

17.Skill development:

To address these challenges, Dhanalakshmi Srinivasan Engineering College has established the Centre for Skill Development in collaboration with esteemed partners such as the National Small Industries Corporation (NSIC), the Ministry of Micro, Small, and Medium Enterprises (MSME), and the ICT Academy. This center is dedicated to elevating skill standards to international levels, emphasizing significant industry involvement and the development of robust quality assurance frameworks. Our institution is committed to transcending traditional academic excellence by providing students with hands-on training in a wide array of skill sets. This approach effectively bridges the gap between academic knowledge and the practical requirements of industry and society. By integrating real-world applications into our curriculum, we ensure that our graduates are equipped with the competencies needed to excel in their professional careers.

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

At Dhanalakshmi Srinivasan Engineering College, the integration of Tamil Knowledge and Heritage into our curriculum is a testament to our commitment to honoring and preserving the rich legacy of Tamil traditions. This initiative ensures that students not only acquire technical knowledge but also gain a profound appreciation and understanding of Tamil culture, history, literature, art, and societal contributions. Through dedicated courses, workshops, and cultural activities, we aim to immerse students in the vibrant tapestry of Tamil Nadu's heritage.

Students learn about the ancient wisdom embedded in Tamil literature, the architectural marvels of Tamil temples, the cultural significance of classical Tamil music and dance forms, and the enduring traditions that have shaped Tamil society over centuries. By incorporating Tamil Knowledge and Heritage into our educational framework, we provide students with a holistic learning experience that nurtures cultural sensitivity, fosters pride in their heritage, and prepares them to be global citizens who respect and contribute to diverse cultural landscapes. This integration not only enriches their educational journey but also equips them with a deeper understanding of their roots and a broader perspective on the world.

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

At DSEC, we have embraced Outcome-Based Education (OBE) as a transformative approach to enhance student learning. Our faculty collaboratively defines clear learning outcomes for each course, aligning them with program objectives and industry requirements. The curriculum is meticulously designed around these outcomes, ensuring that students acquire the necessary knowledge and skills. We employ various assessment methods—both formative and summative—to measure student performance against these outcomes. Regular tracking and timely feedback enable continuous improvement. OBE empowers students, equipping them with practical skills valued by employers. It's not just a methodology; it's our commitment to nurturing competent graduates who thrive beyond the classroom.

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	View File

2.Student

2.1 5172

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 1087

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 5172

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

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 1097

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 386

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1 22

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 5172

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

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Institutional Data in Prescribed Format	View File

3. Academic

3.1 1097

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	386
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	386
Number of sanctioned posts for the year:	
4.Institution	
4.1	1558
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	111
Total number of Classrooms and Seminar halls	
4.3	1000
Total number of computers on campus for academic purposes	
4.4	34610165
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

As an autonomous institution, our curriculum, aligned with Anna University standards, prioritizes flexibility and adaptability. We integrate cutting-edge technologies and emphasize skill-building alongside core knowledge.

Our outcome-based education framework ensures all courses are designed with clear learning objectives linked to Program

Outcomes (POs), Program Specific Outcomes (PSOs), and industry expectations.

The curriculum encompasses foundational engineering, humanities, professional core subjects, a wide range of elective options (including professional and open electives), and dedicated employability enhancement courses. Students have the autonomy to choose electives that align with their interests and career goals.

We differentiate between CGPA and non-CGPA courses, allowing students to specialize in core areas while pursuing diverse skill development.

The curriculum and syllabus undergo rigorous review and approval processes involving the Board of Studies and the Academic Council

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.dsengg.ac.in/pdf/cells/OBE-FINAL-MANUAL.pdf

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	View File
Details of syllabus revision during the year	View File
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	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

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

42

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

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

22

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

1.3 - Curriculum Enrichment

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

In line with AICTE directives, our curriculum places strong

emphasis on social studies. We offer an interdisciplinary skill course for second-year undergraduates, encompassing environmental science, gender issues, and human rights. This course aims to cultivate ethical values and social consciousness among our students.

Furthermore, co-curricular activities across all departments actively promote ethical conduct, gender equality, human values, environmental awareness, and sustainable practices.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

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

38

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

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

2514

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

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

1087

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

1.4 - Feedback System

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.dsengg.ac.in/pdf/SSS%2023-24%20(1).pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
Any additional information	No File Uploaded

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	https://www.dsengg.ac.in/
Any additional information	No File Uploaded

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

1558

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

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

1507

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

2.2 - Catering to Student Diversity

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

Student performance is continuously monitored through university exams, internal assessments, and regular counseling sessions. Class teachers and counselors collaborate to assess student progress after each assessment and communicate findings to parents via letter.

To support slow learners, the institution provides comprehensive support. This includes regular monitoring and mentorship, with dedicated mentors providing one-on-one guidance, organizing special classes, and fostering a supportive learning environment.

To enhance learning skills, workshops and seminars are conducted on study techniques, time management, note-taking, and exam preparation.

Faculty members actively support slow learners through remedial classes, providing access to university question banks, and offering guidance on effective exam answer presentation.

Collaborative learning initiatives, such as group projects and study groups, encourage peer-to-peer learning and foster a supportive learning community. Bridge courses are offered as needed.

The Counseling Cell organizes special programs to support student well-being and academic success.

Advanced learners are encouraged to participate in challenging academic activities and strive for excellence in university rankings

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
22/05/2024	5172	386

File Description	Documents
Upload any additional information	No File Uploaded

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 fosters a dynamic environment that equips students with the latest skills, knowledge, and a strong ethical foundation.

All departments implement innovative programs that encourage creativity and critical thinking, fostering a participative learning experience.

Tech Day provides a platform for students to showcase their innovative ideas and learning outcomes.

Students are actively encouraged to participate in inter-collegiate and national-level competitions.

The institute prioritizes student-centric learning approaches to cultivate lifelong learning skills. Faculty members actively engage students through interactive teaching methods.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://www.dsengg.ac.in/

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

ICT tools play a crucial role in enhancing the learning experience at our institute. Every classroom is equipped with modern technology, including interactive projectors, audio-visual systems, and high-speed internet access. This enables faculty members to seamlessly integrate both traditional and ICT-enabled teaching methods.

Faculty members are encouraged to continuously upgrade their skills through online courses relevant to their subject areas. The use of online resources, including NPTEL videos, conceptual videos, virtual labs, and simulation tools, enriches the learning experience.

The IQAC promotes a blended learning approach through the Learning Management System (LMS). Google Classroom platforms are created for all courses, providing students with 24/7 access to learning resources.

Faculty members are encouraged to explore and implement innovative teaching methods to optimize student learning outcomes.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.dsengg.ac.in/
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

386

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	No File Uploaded
Circulars with regard to assigning mentors to mentees	View File

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

The institute adheres to a meticulously planned academic calendar. Considering government holidays, departmental events, internal tests, and the university calendar, IQAC drafts a tentative academic calendar, which is then approved by the Principal. The Academic Audit Committee ensures that departmental activities align with this calendar. In case of disruptions due to unexpected holidays or unforeseen circumstances, compensatory working days are scheduled.

A comprehensive course plan is developed for each course, encompassing syllabus, learning objectives, unit-wise learning outcomes, a comprehensive list of resources (textbooks, reference books, and online resources), planned usage of teaching aids, assessment schedules, assignment details, and any additional content beyond the syllabus.

Faculty members are required to prepare and submit their course plans before the semester commences, covering both theory and laboratory courses. These plans are shared with students from the first day of class to ensure transparency and clarity.

This structured approach not only enhances the instructor's motivation and course planning but also improves student focus and engagement. The teaching-learning process is regularly reviewed by the Head of the Department based on the data recorded in the faculty logbooks.

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

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year	
386	
File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded
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	
92	
File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded
2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)	
1721	
File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded
2.5 - Evaluation Process and Reforms	
2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year	
54	

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

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

161

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

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

The examination process leverages IT extensively, streamlining tasks from candidate registration and invigilator allocation to attendance recording, result tabulation, and certificate generation.

Timetables are publicly displayed on notice boards. The Controller of Examinations, in collaboration with the Examination Committee, oversees the entire examination process.

Invigilators are provided with attendance sheets and answer booklets. The Chief Superintendent of Examinations ensures secure delivery of question papers to exam rooms. After the exam, invigilators collect and submit answer booklets to the Controller of Examinations.

Both theory and practical examinations in the final semester are weighted at 100 marks. The Exam Cell publishes secure grade lists. Final degree certificates are awarded by Anna University.

The institution emphasizes continuous assessment techniques, providing flexibility for improved internal evaluation.

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

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 involves a systematic review to assess how effectively the university-mandated curriculum aligns with and supports the achievement of program-specific and overall learning outcomes.

The Department Quality Improvement Committee (DQIC) conducts this investigation to determine whether the curriculum provides students with the necessary opportunities to acquire the knowledge, skills, and attitudes required for program success.

This process helps identify any discrepancies between program outcomes and the actual curriculum content. Corrective actions are then implemented to address these discrepancies.

Faculty members have received training on Outcome-Based Education (OBE) principles.

Courses are grouped into modules based on their content relevance.

Revised Bloom's Taxonomy is utilized to determine the cognitive level of learning expected in each course

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://www.dsengg.ac.in/

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

Our program is guided by Program Educational Objectives (PEOs) designed to prepare graduates for successful careers. These PEOs are translated into specific and measurable Program Outcomes (POs) that define desired student performance and skills.

We adhere to the curriculum framework recommended by Anna University. Each course within the program has clearly defined learning objectives. These learning objectives are meticulously mapped to relevant Program Outcomes (POs) and Program Specific Outcomes (PSOs).

Achieving course outcomes is considered the most direct path towards achieving overall program objectives.

Our teaching-learning processes and evaluation methods are carefully aligned to ensure the attainment of these course outcomes.

The college recognizes the paramount importance of effective teaching and learning.

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

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

1076

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	https://www.dsengg.ac.in/

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/Student%20Satisfaction%20Survey%20023-2024.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

Research serves as the cornerstone of our institution's commitment to expanding knowledge and addressing critical engineering challenges. To support cutting-edge research, we invest in state-of-the-art facilities and equipment, providing students and faculty with access to advanced laboratories, sophisticated machinery, and specialized software.

Our transparent and clearly defined research promotion policy outlines excellence standards, career advancement pathways linked to research achievements, and objective evaluation criteria. This policy, readily accessible on our university website, ensures fairness, equity, and equal opportunities for all researchers.

This robust research culture fosters a vibrant academic environment. Faculty members are motivated to conduct original research, collaborate across departments, and publish in high-impact journals.

Our research initiatives not only enhance academic quality but also translate into practical applications that benefit society and industry. This commitment to innovative research positions our institution at the forefront of engineering advancements, inspiring future generations of innovators and engineers.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.dsengg.ac.in/pdf/rd/Policy-RDCResearch- DSEC.pdf
Any additional information	No File Uploaded

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

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

242620

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

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

4

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

3.2 - Resource Mobilization for Research

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

11.28

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

3.2.2 - Number of teachers having research projects during the year

9

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.dsengg.ac.in/
List of research projects during the year	View File

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	View File

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

4

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.dsengg.ac.in/
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

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

Our college fosters a vibrant ecosystem for innovation and knowledge exchange. Industry partnerships, dedicated entrepreneurial cells, and strong managerial support cultivate a culture of creativity and hands-on learning.

The college's community orientation inspires students and faculty to engage in initiatives that address local challenges, particularly benefiting the rural population. The incubation center provides crucial support to aspiring entrepreneurs, helping them transform their ideas into successful businesses.

Innovation challenges and networking opportunities further enhance students' exposure and confidence.

Despite its rural location, the college's unwavering commitment to quality and relevance ensures that graduates are well-prepared to tackle real-world engineering challenges and contribute significantly to the development of their region and beyond.

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

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

27

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

3.4 - Research Publications and Awards

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

C. Any 2 of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

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

3.4.2.1 - Number of PhD students registered during the year

3

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

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

125

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

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

23

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

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

285

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

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

3.4.6.1 - h-index of Scopus during the year

21

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

3.5 - Consultancy

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

612500

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

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

612500

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	View File
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

Our college fosters a strong emphasis on extension activities, encouraging students to engage in projects that address critical social issues, such as sustainable infrastructure and clean energy.

Students actively participate in community outreach programs, gaining valuable firsthand experience of local challenges.

The institution supports the formation of student clubs focused on social causes, facilitating workshops and awareness campaigns on education, digital literacy, and environmental sustainability.

These initiatives not only cultivate socially responsible engineers but also contribute significantly to the well-being of surrounding communities by improving living conditions and raising awareness.

Overall, the college's commitment to extension activities plays a vital role in shaping well-rounded individuals who are capable of making a positive impact on society.

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

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

29

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

45

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

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

3440

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

3.7 - Collaboration

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

80

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

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

16

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Our institution provides modern facilities that surpass the minimum requirements set by regulatory bodies, creating an optimal environment for effective teaching and learning. State-of-the-art laboratories are available for all programs, and every department is equipped with ICT-enabled classrooms.

This robust infrastructure aligns with our vision to cultivate students' innate innovation, teamwork, and leadership qualities while preparing them to address global challenges.

A comprehensive needs assessment is conducted at the beginning of each academic year to identify requirements for infrastructure upgrades, replacements, and additions. This assessment considers factors such as course requirements, the computer-to-student ratio, budget constraints, the condition of

existing equipment, and input from department heads, lab technicians, and system administrators.

To ensure optimal utilization, the college provides faculty members with training on new technologies through workshops and awareness campaigns. A skilled team of lab workers and system administrators further enhances infrastructure efficiency.

The physical infrastructure is effectively utilized beyond regular academic hours for a variety of activities, including certificate programs, co-curricular activities, parent-teacher meetings, recruitment training, seminars, and conferences.

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

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

Sports and extracurricular activities are integral components of our Skill Courses, designed to assess student engagement. The institute provides excellent facilities for sports, games, and cultural events. Students have consistently excelled in various cultural events organized by other universities at the state and national levels, bringing significant accolades to the institution.

The campus boasts three spacious playgrounds accommodating a wide range of sports, including basketball, volleyball, cricket, football, hockey, and kho-kho. Facilities for gymnastics and tennis courts are also available. A well-equipped auditorium serves as a venue for functions and cultural activities.

The institute actively promotes sports participation through regular intra- and inter-facility games and tournaments. Facilities for both outdoor and indoor sports, such as badminton, volleyball, basketball, carrom, table tennis, and chess, are readily accessible. Students receive specialized training to prepare for Zonal and Inter-Zonal competitions.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.dsengg.ac.in/

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

16

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

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

3,46,10,165

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

4.2 - Library as a Learning Resource

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

The library provides access to a wealth of online resources, including DELNET services, NPTEL, e-journals, and e-books. Campus-wide unlimited access ensures students and faculty can access these resources from anywhere on campus at any time.

The Online Public Access Catalogue (OPAC) is accessible through the NIRMALS library software, allowing users to easily search for and locate library materials.

Library operations are fully automated using the NIRMALS software package. All transactions, including book borrowing and returns, are computerized and facilitated by barcoded IDs and scanners.

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

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

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

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

4298000

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

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

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

250

File Description	Documents
Upload details of library usage by teachers and students	No File Uploaded
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 boasts a dedicated 15 Mbps leased line, providing high-speed internet access to over a thousand terminals across the campus. This enables unrestricted internet access for students and faculty.

The high-speed connection facilitates research and academic pursuits, allowing students to readily access the latest information and prepare papers for symposiums and seminars.

Students aspiring to study abroad can conveniently take online tests such as GRE and TOEFL, participate in online mock tests, and explore the websites of universities worldwide.

The fast internet speed enables efficient file downloads and uploads for both students and staff.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5172	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

A. 50 Mbps

on campus	
File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded
4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	D. Any one of the above
File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.dsengg.ac.in/
List of facilities for e-content development (Data Template)	View File
4.4 - Maintenance of Campus Infrastructure	
4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)	
50823276	
File Description	Documents
Audited statements of accounts	No File Uploaded
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 conducts regular committee meetings to ensure the effective allocation and utilization of financial resources, including grants, for the maintenance and upkeep of facilities, prioritizing student needs.	

- **Laboratory Maintenance:** Overseen by the lab technician, HODs, and external technicians, laboratory maintenance includes equipment calibration, repair, and maintenance; regular reporting on lost or damaged materials, repairs, and new installations; and ensuring the proper functioning of college computers and their accessories under the supervision of the system administrator.
- **Sports Maintenance:** The College Physical Directors oversee the upkeep of sports equipment.
- **Library Maintenance:** Departments submit lists of required books and resources, with HODs actively involved. The Principal approves the final list. To ensure book returns, students are required to obtain 'no dues' clearance from the library before examinations. The library committee addresses various issues, including the removal of outdated books and the efficient scheduling of book issues and returns.

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

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

3296

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

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

105

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File
5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	A. All of the above
File Description	Documents
Link to Institutional website	https://www.dsengg.ac.in/
Details of capability development and schemes	View File
Any additional information	No File Uploaded
5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year	
1956	
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)	View File
5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances	A. All of the above

through appropriate committees	
File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded
5.2 - Student Progression	
5.2.1 - Number of outgoing students who got placement during the year	
783	
File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
5.2.2 - Number of outgoing students progressing to higher education	
11	
File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	View File
Any additional information	No File Uploaded
5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year	
5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year	
0	

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

5.3 - Student Participation and Activities

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

5

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

Students actively participate in the governance and decision-making processes at the Institute.

- **Class Committees:** Each program establishes class committees comprising both high-achieving and underperforming students, along with faculty members nominated by the Head of the Department (excluding the course instructor). These committees provide valuable feedback on all aspects of the program and individual courses, meeting regularly at least twice per semester.
- **Cultural and Sports Committees:** Students play a vital role in cultural, sports, and games committees, actively participating in the planning and execution of events. They also manage the cooperative mess and organize a diverse range of extracurricular activities and competitions throughout the year.
- **Hostel Administration:** Students actively contribute to the administration and management of hostel affairs.
- **Special Event Organization:** Students are actively involved in organizing and conducting special events, including seminars, workshops, conferences, and celebrations of national importance

such as Independence Day, Republic Day, Engineers Day, and Science Day. They also actively participate in NSS and other social service activities.

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

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

2

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

5.4 - Alumni Engagement

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

The institution and its Alumni Association are committed to fostering strong and enduring relationships with graduates. The Alumni Association serves as a vital bridge connecting alumni, faculty, and current students. DSEC alumni have achieved remarkable success in diverse engineering and management roles worldwide.

The Alumni Association contributes significantly to the institution's growth through various avenues:

- **Book Donations:** Alumni generously contribute by donating books to enrich the institution's library resources.
- **Industry Insights:** Alumni actively participate as resource persons in various events, guest lectures, and panel discussions. They share invaluable insights and experiences on industry best practices, emerging technologies, career development, and workplace culture.
- **Career Guidance:** Alumni working in diverse organizations

provide valuable support to current students by sharing job opportunities, offering guidance on interview preparation, and motivating them for future career success.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.dsengg.ac.in/

5.4.2 - Alumni's financial contribution during the year

A. ? 15 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

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

Effective governance is crucial for fostering strong connections between management, faculty, staff, students, and the community. We believe in efficient, economical, and inclusive governance that respects diversity, individual identities, and deeply held beliefs.

The college promotes decentralized and participatory governance, emphasizing collaborative administration with input from all stakeholders.

Key administrative positions, including the Principal, Vice Principal, Dean of Academics, Dean of Research, Dean of Students, IQAC Coordinator, Controller of Examinations, Chief Superintendent of Examinations, Heads of Departments, Office Manager, and Coordinators of various institutional cells, are carefully recruited by the Management

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

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

Decentralization and participatory management are fundamental to fostering a vibrant and successful academic environment. The institute cultivates a culture of shared decision-making in all academic and extracurricular endeavors.

A committee system is employed to ensure the active involvement of all stakeholders in the decision-making process. Faculty members are appointed by the Principal to serve on various committees.

Student representatives are actively involved in these committees and clubs, playing a crucial role in planning and organizing guest lectures, seminars, workshops, industrial visits, extension services, cultural events, and intra/intercollegiate competitions, with guidance from faculty members.

Student representatives also serve as vital intermediaries between the management and the student body.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.dsengg.ac.in/

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 serves as a comprehensive roadmap guiding the institution's growth and

development. This meticulously crafted plan outlines key objectives, innovative strategies, and measurable goals, with a strong emphasis on academic excellence, research advancements, and industry collaborations.

The plan fosters a culture of continuous improvement by streamlining procedures and minimizing bureaucratic hurdles. By effectively implementing this plan, the institution can fulfill its mission, serve its stakeholders, and contribute meaningfully to societal progress.

The HR Manual is a formal document that outlines the human resources policies, procedures, recruitment guidelines, and promotional policies of the institution. This comprehensive document is readily accessible to all stakeholders through the institution's website. The HR Manual has been effectively implemented since the inception of the college in 2001-02.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.dsengg.ac.in/
Upload any additional information	No File Uploaded

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

Dhanalakshmi Srinivasan Engineering College demonstrates effective and efficient functioning across its institutional bodies. This is evident in its robust framework, encompassing well-defined policies, a streamlined administrative structure, and clear appointment and service rules. This foundation fosters accountable and transparent governance.

Key policies guide academic excellence, research endeavors, and faculty growth, while administrative procedures are optimized for efficient decision-making at all levels. The decentralized management model encourages participatory governance, empowering department heads and faculty in shaping the institution's trajectory.

Merit-based hiring practices and clearly defined service rules facilitate professional development opportunities for faculty.

They are actively encouraged to engage in research, attend professional development programs, and contribute to the institution's academic and extracurricular pursuits.

Regular administrative and academic council meetings ensure alignment between institutional procedures and strategic goals, further enhancing operational efficiency. The institution's proactive approach to addressing challenges through structured processes contributes to its high standards in governance and operations

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.dsengg.ac.in/
Upload any additional information	View File
Paste link for additional Information	https://www.dsengg.ac.in/

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

The institution has diligently prioritized the welfare and career development of both its teaching and non-teaching staff, laying a strong foundation for a thriving and motivated workforce. Through carefully crafted welfare measures, the institution ensures a supportive and conducive work environment

that addresses the physical, mental, and emotional well-being of its employees.

Comprehensive health insurance, wellness programs, and counseling services are readily available to meet their needs. Additionally, the institution offers numerous opportunities for career growth and advancement. Regular training sessions, workshops, and seminars are organized to enhance professional skills and expertise. By fostering a culture of continuous learning, the institution provides staff with opportunities to pursue higher education and research through various scholarship and sabbatical programs.

Recognition and rewards for outstanding performance further motivate the staff, instilling a sense of pride and dedication to their roles. Transparent promotion and appraisal systems ensure fairness and equity in career progression. As a result of these effective welfare measures and career development opportunities, the institution benefits from a content and committed workforce, contributing significantly to its success and reputation in the educational landscape.

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

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

101

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

6.3.3 - Number of professional development / administrative training programmes

organized by the Institution for its teaching and non-teaching staff during the year

28

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

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

74

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

6.4 - Financial Management and Resource Mobilization**6.4.1 - Institution conducts internal and external financial audits regularly**

The institution demonstrates a robust commitment to financial transparency and accountability through regular internal and external financial audits. These audits entail a comprehensive examination of the institution's financial records, processes, and transactions. Internal audits are conducted by an independent team within the institution, whereas external audits involve outside parties.

These audits serve as vital mechanisms to evaluate the institution's financial well-being, identify potential risks, uncover any discrepancies, and ensure adherence to financial regulations and best practices. By conducting these audits regularly, the institution can foster trust among stakeholders, including students, staff, and regulatory bodies, while upholding a high standard of financial integrity and efficiency.

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

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

0

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

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

As a prestigious engineering institution, strategic mobilization of funds and optimal resource utilization are essential for sustainable growth and academic excellence. The institution adopts a multifaceted approach to secure funds from various sources, including government grants, private donors, corporate partnerships, and research funding agencies. A dedicated fundraising team works tirelessly to cultivate relationships with potential benefactors and convey the institution's vision and impact effectively.

Moreover, the institution prioritizes prudent financial management by conducting regular financial audits, budget reviews, and cost optimization exercises. Resources are allocated judiciously, with a focus on enhancing teaching and research capabilities, upgrading infrastructure, and fostering innovation and technology adoption. To maximize resource utilization, the institution fosters a culture of innovation and encourages interdisciplinary collaboration.

The institution promotes research and development projects with real-world applications, attracting additional funding and generating revenue through patents and commercialization.

Through these institutional strategies for fund mobilization and resource utilization, the engineering institution creates an environment conducive to academic excellence. This enables students and faculty to thrive, conduct cutting-edge research, and make significant contributions to societal progress and technological advancements.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.dsengg.ac.in/

6.5 - Internal Quality Assurance System

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

The Internal Quality Assurance Cell (IQAC) of the engineering institution has played a pivotal role in institutionalizing quality assurance strategies and processes. Over the past year, its efforts have led to incremental improvements across various domains, including academic excellence, research and innovation, infrastructure upgradation, and student support. Faculty development programs and research initiatives have significantly contributed to enhancing the institution's reputation.

In the post-accreditation phase, the IQAC has further intensified its endeavors by implementing comprehensive quality initiatives for subsequent cycles. Regular monitoring, feedback collection, and benchmarking against global standards have been integral to ensuring continuous enhancement. As a result, the engineering institution has emerged as a symbol of academic excellence, producing competent and industry-ready graduates, while steadfastly delivering quality education in the field of engineering.

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

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

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

The IQAC employs a comprehensive approach during its assessments, meticulously evaluating the effectiveness of various pedagogical approaches and strategies. It also critically examines operational structures and administrative procedures to identify potential areas for optimization and efficiency. Equally crucial is the scrutiny of learning outcomes, enabling the institution to assess the success of its educational programs and identify areas for further improvement.

To ensure a holistic perspective, the IQAC actively engages faculty members, students, and other stakeholders to gather valuable feedback and insights. Based on the outcomes of these reviews, the institution takes proactive measures to implement corrective actions, integrate innovative practices, and enhance the overall quality of education provided.

The IQAC's commitment to continuous improvement ensures that the institution remains at the forefront of providing a dynamic and enriching learning environment for its students. This fosters their growth and nurtures successful engineering professionals.

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

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

A. Any 4 or all of the above

other quality audit recognized by state, national or international agencies (such as ISO Certification)

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.dsengg.ac.in/
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The institution fosters a work environment based on strong ethical principles and ensures equal opportunities for all.

- **Education and Awareness:** Recognizing that gender equity begins with education, the institution conducts public campaigns, healthcare programs, and awareness programs to challenge gender stereotypes and promote societal change.
- **Empowerment and Leadership:** The institution empowers women and marginalized genders through training, mentoring, and leadership development programs, enhancing their skills, confidence, and representation across various fields.
- **Social Security:** The institution prioritizes the safety and well-being of all members through the Anti-Ragging Committee and Grievance Redressal Committee, ensuring a safe and inclusive environment for all.

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

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	A. Any 4 or All of the above
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File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

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

Solid Waste Management:

- **Sanitary Waste Disposal:** Incinerators are installed in women's washrooms for the hygienic disposal of sanitary napkins.
- **Paper Waste Management:** Each classroom is equipped with dustbins for the collection of paper waste, which are cleaned daily.

Food Waste Management:

- **Food Waste Collection:** Trash cans are provided for food waste collection in the canteen and hostels.
- **Biogas Production:** Food waste from the hostel kitchen is utilized to produce biogas in a biogas generator, yielding approximately one cylinder of biogas daily.
- **Farm Waste Utilization:** Farm waste generated from livestock, poultry, and other sources is utilized on the campus farm for composting and other agricultural purposes.

Liquid Waste Management:

- **Chemical Waste Reduction:** Micro-scale experiments in the chemistry lab minimize the use of chemicals and water.
- **Water Conservation:** Liquid waste from Reverse Osmosis (RO) units is collected and utilized for irrigation on the campus farm.

Activities:

- **"Cleaning Campaign":** A "Cleaning Campaign" is conducted each semester to raise student awareness about recycling and waste segregation practices.

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

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above
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File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:	A. Any 4 or All of the above
<ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	View File

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

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

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human</p>	<p>B. Any 3 of the above</p>
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assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	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).

Cultural Awareness and Sensitivity Training:

The institution organizes motivational lectures by distinguished professionals to foster holistic student development. These sessions emphasize national values, including social and communal harmony, and promote a sense of national integration.

Student Welfare Cell:

The institution encourages the formation of student clubs that organize a variety of events, including New Year's, Fresher's Day, Teacher's Day, Women's Day, Yoga Day, Youth Day, and Science Day. These clubs provide platforms for student interaction, cultural exchange, and the development of social and interpersonal skills.

Multicultural Events and Celebrations:

The institution celebrates diverse customs, languages, and cultures through events commemorating festivals like Pongal, Onam, Ugadi, and Holi, fostering intercultural understanding and appreciation.

Assessment of Program Efficacy:

To continuously enhance the dissemination of moral, cultural, and spiritual values and foster tolerance and harmony, the

institution regularly assesses the effectiveness of these programs through feedback from the college community.

Infrastructure for Sports Activities:

The institution provides robust infrastructure for sports activities, complementing academic and cultural pursuits and promoting the overall physical and mental well-being of students.

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

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

1. Constitutional Awareness Workshops and Seminars:

- Conduct workshops and seminars led by legal professionals and experts to enhance understanding of constitutional duties, principles, rights, and responsibilities.
- Focus discussions on themes like social justice, equality, and democratic ideals to foster critical thinking and meaningful dialogue.

2. Human Rights Education Integration:

- Integrate human rights education into the curriculum and professional development programs.
- Offer courses and modules that explore the concept of human rights, their significance, and their connection to constitutional obligations.

3. Student-Led Initiatives:

- Encourage and support student-led initiatives that promote "Unity in Diversity" through activities that celebrate diversity and foster inclusivity.
- Actively involve students in planning and executing these initiatives, fostering a sense of ownership and responsibility.
- Celebrate national events like Republic Day and

Independence Day to reinforce patriotism and national unity.

4. Awareness Campaigns:

- Launch awareness campaigns utilizing various mediums (posters, videos, social media, campus events) to educate the community about constitutional obligations, values, rights, and responsibilities.
- Encourage active citizenship by inspiring individuals to uphold these principles in their daily lives.

By implementing these comprehensive sensitization measures, institutions can cultivate a knowledgeable, engaged, and responsible citizenry committed to upholding constitutional values and contributing positively to society.

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

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

A. All of the above

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

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

1. Independence Day: Institutions commemorate Independence Day with flag-raising ceremonies, patriotic performances, cultural displays, and educational activities that celebrate the nation's history and values.

2. Republic Day: To commemorate the adoption of the Constitution, institutions organize seminars, panel discussions, and workshops to raise awareness about its significance, rights, and responsibilities.

3. National Voters' Day: In collaboration with the Voter Awareness Forum, institutions organize programs to educate young people about their voting rights on January 25th.

4. World Environment Day: Institutions promote environmental sustainability through tree-planting drives, eco-awareness campaigns, recycling initiatives, and educational workshops to raise awareness about environmental issues and encourage sustainable practices.

5. International Day of Science: Institutions celebrate the significance of science by organizing quizzes, workshops, and events like "IGNITRA" to showcase technical design thinking and innovation.

6. Oath Against Drugs: To combat drug addiction, students take a pledge to say "NO TO DRUGS" to maintain a healthy lifestyle.

7. Indian Air Force Day: Institutions celebrate Indian Air Force Day to honor the sacrifices and achievements of the Air Force

and its personnel.

8. **National Unity Day:** On National Unity Day, an oath is taken to preserve the unity, integrity, and security of the nation.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Holistic Curriculum Integration: Fostering Skill Development, Leadership, Networking, and Innovation

Goal: To integrate student activities into the curriculum of engineering institutions, fostering practical skills, leadership, networking, and innovation. This approach aims to create graduates who excel academically, professionally, and personally, preparing them for dynamic global challenges.

Context: Traditional education often focuses on subject-specific knowledge, which can leave graduates underprepared for real-world challenges. By incorporating hands-on learning, leadership roles, industry exposure, and entrepreneurial experiences into the curriculum, institutions can bridge the gap between theoretical knowledge and practical application. This aligns education with industry demands and promotes holistic development.

Practice:

1. **Skill Development and Hands-On Learning:**
 - Project-based courses addressing real-world problems.
 - Industry collaborations for internships and expert lectures.
 - Integration of advanced tools like virtual labs and

simulation software.

2. Leadership and Teamwork:

- Modules on leadership and experiential group activities.
- Student-led clubs, community service projects, and team-based assessments.

3. Networking and Industry Exposure:

- Industrial visits, seminars, and guest lectures to build industry connections.
- Platforms for alumni interactions and online networking opportunities.

4. Innovation and Entrepreneurship:

- Startup competitions, hackathons, and entrepreneurial mentorship programs.
- Interdisciplinary collaboration and real-world projects fostering creativity.

Evidence of Success:

- Enhanced employability due to practical skill development.
- Students' active participation in industry-relevant projects and internships.
- Increased innovation through entrepreneurial ventures and competitions.
- Graduates demonstrating strong leadership and teamwork capabilities.
- Strengthened industry-academic collaborations, resulting in higher enrollment and institutional growth.

This integrated approach equips students with a comprehensive skill set and a proactive mindset, enabling them to succeed in their careers and contribute meaningfully to society.

File Description	Documents
Best practices in the Institutional website	https://www.dsengg.ac.in/pdf/Best%20Practice%202023-2024.pdf
Any other relevant information	https://www.dsengg.ac.in/

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)

ostering Industry-Aligned Skill Development

Dhanalakshmi Srinivasan Engineering College (DSEC) emphasizes equipping students with industry-relevant skills, bridging academia and the professional world. This focus on Industry-Aligned Skill Development is integral to producing job-ready, future-focused graduates.

Key Initiatives Driving Industry-Aligned Skill Development

1. Centers of Excellence (CoE): Bridging Academia and Industry Needs

- **Microsoft Power BI & AWS Cloud Architecture:** Hands-on training in analytics and cloud computing.
- **Autodesk Fusion 360:** Equipping students with 3D design skills for advanced manufacturing.

2. Robust Collaboration with Industry Leaders

- **Partnerships with EDU SKILLS** provide training in tools from AWS, Palo Alto, Google, and more.
- **Collaborations with L&T EduTech and the Indian Biomedical Skills Consortium** introduce students to cutting-edge technologies.

3. Skill-Specific Programs and Certifications

- **Lean Six Sigma Yellow Belt Certification:** Process optimization for manufacturing and service sectors.
- **Advanced C# and .NET Programming:** Collaboration with Capgemini to enhance IT skills.

4. Hackathons and Innovation Challenges

- **Smart Minds Hackathon:** Real-world problem-solving in collaboration with AIC Raise.
- **AI Revolution in Cybersecurity Summit:** Insights into evolving cybersecurity challenges.

- 5. Recognition as a Host Institute for MSME Initiatives
DSEC's MSME Innovative Scheme approval fosters entrepreneurship and skill development through incubation opportunities.
- 6. Curriculum Tailored to Industry Trends Regulation 2023 integrates industry inputs for relevance, guided by regular Board of Studies and Academic Council reviews with experts.

DSEC's holistic approach ensures students are primed to meet industry demands and succeed in the global workforce.

File Description	Documents
Appropriate link in the institutional website	https://www.dsengg.ac.in/pdf/Institutional%20Distinctiveness%202023-2024.pdf
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Short-Term Goals (2025-2026)

1. Industry-Academia Integration

- Establish Centers of Excellence in emerging technologies (e.g., AI, robotics, renewable energy).
- Partner with at least 5 leading industry organizations to enhance skill development.
- Conduct 10+ hackathons and industry challenges annually.
- Ensure 50% of students complete certified industry-relevant training programs.

2. Research and Innovation

- Increase the number of faculty-led research projects to 25 annually.
- File 10 patents and publish 100 research papers in high-impact journals within two years.
- Incubate at least 10 startups through the MSME Host Institute initiative.

3. Skilling for the Future Workforce

- Launch annual Skill Development Camps focused on Industry 4.0 competencies.
- Ensure 60% of students complete certifications in technologies like AWS, Power BI, or Autodesk tools.
- Roll out Capstone Projects that address real-world challenges.

4. Improving Employability and Placements

- Organize Mega Placement Drives featuring 30+ companies each year.
- Achieve a placement rate of 85%, with an emphasis on diverse industry representation.
- Offer customized pre-placement training for all final-year students.

5. Faculty Development and Excellence

- Conduct bi-annual Faculty Development Programs (FDPs) on pedagogy, research, and leadership.
- Encourage faculty to publish 20+ papers annually in reputed journals.
- Recognize faculty excellence through internal awards and research grants.

6. Student Enrichment Programs

- Organize 50+ Student Enrichment Programs (SEPs) annually, including technical, cultural, and leadership activities.
- Increase participation in national-level competitions in robotics, design, and hackathons.

7. Sustainability and Community Engagement

- Launch at least 5 green initiatives on campus, including renewable energy adoption and tree plantations.
- Host community outreach programs focused on skill development for underprivileged groups.