



YEARLY STATUS REPORT - 2020-2021

1. Name of the Institution
<ul style="list-style-type: none">• Name of the Head of the institution
<ul style="list-style-type: none">• Designation
<ul style="list-style-type: none">• Does the institution function from its own campus?
<ul style="list-style-type: none">• Phone No. of the Principal
<ul style="list-style-type: none">• Alternate phone No.
<ul style="list-style-type: none">• Mobile No. (Principal)
<ul style="list-style-type: none">• Registered e-mail ID (Principal)
<ul style="list-style-type: none">• Address
<ul style="list-style-type: none">• City/Town
<ul style="list-style-type: none">• State/UT
<ul style="list-style-type: none">• Pin Code
2. Institutional status
<ul style="list-style-type: none">• Autonomous Status (Provide the date of conferment of Autonomy)

• Type of Institution

• Location

• Financial Status

• Name of the IQAC Co-ordinator/Director

• Phone No.

• Mobile No:

• IQAC e-mail ID

3. Website address (Web link of the AQAR (Previous Academic Year))

4. Was the Academic Calendar prepared for that year?

• if yes, whether it is uploaded in the Institutional website Web link:

5. Accreditation Details

Cycle	Grade	CGPA
Cycle 2	A	3.05

6. Date of Establishment of IQAC

7. Provide the list of Special Status conferred by Central and/or State Government on the In

Institution/ Department/Faculty/School

Dr.S.Durairaj Dhanalakshmi Srinivasan Engineering College

8. Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI

9. No. of IQAC meetings held during the year

• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on

10. Did IQAC receive funding from any funding agency to support its activities during the ye

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

Proposed to introduce a new course-Cyber Security, Bio Technology and A

Submission of NBA Compliance report-BME,ECE and EEE

Even during Pandemic, to maintain a bridge between students and Institution

Guided all departments to submit a Proposals to Funding Agencies

Series of Session were planned in online mode by inviting the Senior Academics

12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality assurance

Plan of Action

Submission of NBA Compliance report-BME, ECE and EE

Start up of New course

To introduce Skill Development Course as a Uniqueness to DSEC Autonomous Institute

Submission of Proposal to Funding Agencies

Submission of Proposal to AICTE-ATAL FDP

Conduct of Statutory meeting

13. Was the AQAR placed before the statutory body?

- Name of the statutory body

Name of the statutory body

Governing Council

14. Was the institutional data submitted to AISHE ?

- Year

Year

11/02/2020

15. Multidisciplinary / interdisciplinary

Multidisciplinary/Interdisciplinary curriculum have received a lot of a discipline. Interdisciplinary knowledge aids in the bridge-building process. Imparting interdisciplinary knowledge to undergraduate students is the

The multidisciplinary approach relies on people crossing disciplines to learning.

The approach is implemented in the curriculum through the concept of interdisciplinary learning. This concept helps the student to learn multidisciplinary/interdisciplinary

16. Academic bank of credits (ABC):

Academic Bank of Credit envisages an open higher Education system that by the way of transfer of credits through Registered Higher Education Institutions at the level of learning.

Academic Bank Account is opened in the name of a student who gets enrol by the students, maintain the credits accumulated and transferred, vali

The ABC works as a digital or virtual platform maintained by UGC with t through a formal system.

The institution is registered with Academic Bank of Credits and the pla

17.Skill development:

Skill development courses are offered in Higher Education Institution t for Skill Development. These courses are offered with the objective of

Detailed description of group is listed below:

Health & Fitness: Orient and accelerate learners to pay attention towar

Social Course: Cultivating the relationships and functioning of the soc

Service to Society: Inculcate the essence of Service to Humanity based

Skill course: Impart essential computing/ language / proficiency skills

Technical Expertise: Instilling Capacity building skills that lead to i

Employability skills: Fostering career path across wide sectors beyond

Proficiency Exam: Measures the student abilities and skills in their sp

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, cultur

Traditional knowledge or local knowledge is a record of human achievement in comprehending the

In order to inculcate and integrate the indian knowledge system among t

Health & Fitness	Social Course	Service to Society Basic Level	Service to Society Advanced Level
Yoga for Human Excellence	Indian Constitution and Finance	National Service Scheme	Guidance to School Educator
General Psychology	Essence of Indian Knowledge Tradition	Youth Red Cross	Organizing Continuing Education Programmes
Health care Programme	Environment Protection	Red Ribbon Club	Dissemination of Information on Government welfare schemes to villagers
Physical Grooming	Universal Human values	Energy Club	Cleanliness
Fire Safety Hazards	Ethics in Engineering	Water Club	Agriculture for Engineers

Transportation Management	Stress Management	ECO Club	Swachh Bharat Abhiyan
Value Education	Emotional Intelligence	E Club	Gender Sensitization Programme

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

The evaluation process for attaining Course Outcomes takes place in each semester. The process for evaluation of Course Outcomes proceeds in the following manner:
Theory Exam Assessment process

□ After commencement of the course, the Department will conduct three tests, scheduled in accordance with the academic calendar of events. Care is taken such that the teaching of at least 2 units would be completed before the tests. The entire exam schedule will be monitored by Institute level Exam cell.

□ The Course Instructor will prepare the Question papers for the respective units. The question papers will be submitted to Exam cell coordinator well in advance.

□ Syllabus coverage form is also collected before the start of assessment to ensure the divergence in the completion of portion.

□ The Course Instructor will follow a certain constraints based on the course and evaluate the performance of students as per the assessment criteria.

□ The student securing less than 60% of the marks is identified and corrective action is taken.

□ The test report enables the course instructor to continuously monitor student performance and the updating will be done often after each test which helps in the COs of a course.

□ The Internal marks are based on the weightage of average of two slip tests, Assignment (15 marks), Attendance (10 marks) and Assessment test (50 marks). The Assessment and Evaluation process is reviewed by Department Advisory Committee.

20.Distance education/online education:

Not applicable to our Institution.

Extended Profile

1.Programme

1.1

20

Number of programmes offered during the year:

File Description

Documents

Institutional Data in Prescribed Format

[View File](#)

2.Student

2.1

3658

Total number of students during the year:		
File Description	Documents	
Institutional data in Prescribed format	View File	
2.2	1033	
Number of outgoing / final year students during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	View File	
2.3	3658	
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	587	
Number of courses in all programmes during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	View File	
3.2	432	
Number of full-time teachers during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	View File	
3.3	23	
Number of sanctioned posts for the year:		
4.Institution		
4.1	749	
Number of seats earmarked for reserved categories as per GOI/State Government during the year:		
4.2	107	
Total number of Classrooms and Seminar halls		

4.3	1000
Total number of computers on campus for academic purposes	
4.4	77742968
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

Our Institute is conferred with Autonomous Status from UGC and Anna University in the month of September 2020. Board of Studies for all disciplines was constituted comprising of Internal Members, External members preferably from Reputed Concerns, Nominee from Anna University, Industry Experts and Alumni. Curriculum was developed based on Model Curriculum prescribed by AICTE, Anna University Curriculum, Programme Specific Outcome and suggestions by Industry Experts and Alumni. The curricular programmes was structured including basic engineering sciences, core subjects, elective subjects offered by parent department and other department. Students are provided with an option to flexibly select their elective subjects. Syllabus of each course were designed based on the Course Outcome and their credits were finalized. Proposed Curriculum and syllabi were put forth at Board of studies meeting for suggestions and discussion. Suggestions were placed before Standing Committee for further process. Meanwhile DSEC Regulations 2020 was framed based on the series of discussions. The curriculum and syllabus is then placed for approval in the Academic Council Meeting (ACM). The curriculum of all UG and PG courses includes CGPA courses and non CGPA Courses. Categorization of course help the students to equip themselves in core subject and other skill-oriented activities.

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

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

20

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

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

35

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

1.2 - Academic Flexibility

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

84

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
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

20

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

As per AICTE model Curriculum, DSEC Regulation adheres to the Mandatory courses prescribed by AICTE where strong emphasis is given on Social courses-

Skill course is an interdisciplinary course which integrates environmental science gender and human rights. It is offered to second year students of undergraduate programs. In order to incorporate the ethical values among the students during the period of study such courses were introduced. In addition, the co-curricular activities organized by all departments integrates and insists the need of ethics, gender, human values, environment and sustainability.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

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

14

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

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

409

File Description	Documents
List of students enrolled	View File
Any additional information	View File

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

624

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

1.4 - Feedback System

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

A. All 4 of the above

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

1.4.2 - The feedback system of the Institution comprises the following

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

File Description	Documents
Provide URL for stakeholders' feedback report	http://dsengg.ac.in/dsengg-academic-cell-internalqual.php
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

895

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

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

749

File Description	Documents
Any additional information	View File
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 representation is diverse not just in terms of regional and linguistic aspects but also at their level and pace of comprehensibility. Since it would be inappropriate to divide a class into groups based on students' level of comprehension, classroom observation, interaction, continuous and periodic assessment are used as a measuring system to assess the learning levels of the students. Departments draw up the schedule for organising remedial classes for slow learners. This exercise is done in a discreet manner and slow learners are encouraged and prodded to recognize their shortcomings and register on their own without compulsion. Teachers are able to give one to one attention in remedial classes and focus on individual problems in a better manner when compared to a regular classroom in which the advanced learners' participation may inhibit the others from voicing their problems. The departments use monitoring and mentoring system to keep track of slow learners' progress. Alongwith teachers some advanced learners are encouraged to mentor weak students and help them with explanation and notes. Revision classes and counselling sessions are held and additional coaching is taken up if required. Tutoring by peers, senior students, and mentors are offered.

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

2.2.2 - Student - Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
08/01/2021	3658	432

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:

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

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

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

In current trend, it is essential for the students to learn and master the latest technologies in order to be industry ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students in long term learning. College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education. The following tools are used by the Institution:

ICT Tools: 1. Projectors- 2. Desktop and Laptops 3. Printers- 4. Photocopier machines 5. Scanners-. 6. Seminar Rooms- Three seminar halls are equipped with completedigital facilities. 7. Smart Board- One smart board is installed in the campus. 8. Auditorium- 9. Online Classes through Google Meet, Google Classroom 12. Digital Library resources

A. PowerPoint presentations - Faculties are encouraged to use power-point presentations in their teaching by using LCD's and projectors.

B. Industry Connect- Seminar and Conference rooms are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.

C. Online quiz- Technical and General quiz programmes are conducted to the students in online platform to develop their general and subject knowledge

D. Video Conferencing - Video conferencing is used to share the information among the technical experts.

E. Video lecture - The lectures videos are prepared by the faculty and shared among the students for their future reference.

F. Workshops- Students are given hands on training in the latest trends and technologies through workshops.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://dsengg.ac.in/dsengg-academi-ug-electricalcommu.php
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

406

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

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

Preparation and Adherence of Academic Calendar: The institution prepares the academic calendar every year before the commencement of the classes. The academic calendar covers the examinational schedule, seminars, conferences, guest lectures, workshops festivals, etc. Academic calendar provides the total effective working days available in a given semester based on which the Dean and HOD will prepare the time table by correlating the working days available and coverage of syllabus of the subjects. Thus the academic calendar monitors the effective delivery of the program with academic inputs.

Preparation and Adherence of Teaching Plan: The concern faculty prepares teaching plan for their respective subjects of 45 hours or 60 hours. These 45 or 60 hours are distributed among class room teaching, case studies, workshops and lab session as per the subject requirements. These plans are made in advance and hence serves as guide for conducting teaching learning sessions. The dean and HODs check the progress of each course and ensures timely and effective completion of course plan with perfect blend of practical and theoretical inputs.

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

432

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

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

34

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	View File

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

1304

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

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

90

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	View File

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

0

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

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

The Institution has been continuously carrying out of reforms in its examination procedure through integration of IT in all the procedures and processes of the examination system. The reforms have also been implemented in the continuous internal assessments modes and components. Examination procedure has been completely automated using In house IT software.

Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system.

Adopting semester patterns of examination with continuous evaluation system for all the departments.

Digital evaluation system has been successfully implemented for UG, PG examinations (MCQ Pattern).

E-governance has been successfully implemented in the Institution. Online entry of Students applications/revaluation forms helps the students and Institution in saving time and in generating hall tickets.

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

2.6 - Student Performance and Learning Outcomes

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

The college has clearly stated learning outcomes of the Programs and Courses. The following mechanism is followed by the institution to communicate the learning outcomes to the teachers and students. Hard Copy of syllabi and Learning Outcomes are available in the

departments for ready reference of the teachers and students □ The importance of the learning outcomes has been communicated to the teachers in every IQAC meeting and College Committee meeting □ The students are also made aware of the same through Tutorial meetings □ Workshops have also been conducted for developing the Programme Educational Objectives and Learning outcomes at college level.

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.

<https://www.dsengg.ac.in/>

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	Nil

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

Attainment of course outcome: The attainment of course outcome is obtained through assessment tools such as internal assessment, assignments and Course Exit Survey. The employment of both internal assessment and assignments are adopted thrice a semester however Exit Survey is assessed at end of the course. By using various assessment tools, the assessment process is carried out on Theory, Laboratory and Project Work. Direct Attainment of Course outcome is calculated as 80% of External and 20% of Internal. Indirect attainment of course outcome is calculated in terms of course exit survey. Overall attainment of course is calculated as 90% of Direct and 10% of Indirect.

Attainment of Programme Outcome: Our program has approximately 60-70 courses. The level of course attainment of each course is measured. The value of obtained level of course attainment is maintained same for POs which are mapped by the course.

Direct Attainment-PO1 = $\sum (CO\% \times \text{Correlation level of CO-PO1}) / (\text{Number of CO's mapped with PO1} \times 3)$. From the result of indirect tools (surveys and Portfolios) the attainment of each PO is calculated.

Indirect Attainment PO1 = 20% Alumni survey of PO1 + 20% Employer Survey of PO1 + 40% Program Exit Survey of PO1 + 20% Co-Curricular Survey of PO1. Total attainment will be a summation of 50% of direct attainment and 50% of indirect attainment.

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

2.6.3 - Pass Percentage of students

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

703

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

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

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

The institute provides all necessary infrastructural facilities and a conducive environment to promote research activity in the campus. Due to limited resources, the institute is unable to fund all the research activities taken up by the faculty and students. Faculty are encouraged to apply for various funding agencies and pursue their research. However, the institute is ready to provide seed funding or partial funding based on the merit of proposals submitted by faculty or student. The faculty and students are encouraged to present their ideas / project proposals before the research committee for getting the sanction of seed funding in accordance with guidelines. The faculty and students are given freedom to choose the research area of their choice and guidance is given to seek funding from various funding agencies and industries. The institute encourages the faculty by providing incentives for peer reviewed publications, writing books and filing patents. The institute gives a free hand to report research results and findings. However, a thorough review is done for all research proposals seeking funding from various funding agencies by the research committee.

File Description	Documents
Upload the Minutes of the Governing	View File

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

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

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

38000

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

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

1

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)

6,11,300

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

3.2.2 - Number of teachers having research projects during the year

5

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	www.dsengg.ac.in
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

2

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

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

3

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	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.

The Institution provides a conducive environment for promotion of Innovation and Incubation. All required facilities are provided and Guidance is extended to the students. Students are encouraged to actively involve in the application of Technology for societal

needs. Necessary support is provided for Documentation, Publication of Research Papers and also for obtaining patents. Awareness meets, workshops, seminars and guest lectures on Entrepreneurship are organized. Students are provided opportunities to directly interact with outstanding entrepreneurs excelling in their field. Product service Training is provided for creating awareness on marketing the products. To produce successful entrepreneurs imbued with leadership qualities using innovative and ethical business practices to make global impact.

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

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

2

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

D. Any 1 of the above

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

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

3.4.2.1 - Number of PhD students registered during the year

0

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

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

7

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

3

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

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed**3.4.5.1 - Total number of Citations in Scopus during the year**

140

File Description	Documents
Any additional information	View File
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**

16

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)

21,76,000

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

43,000

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

3.6 - Extension Activities

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

The college organizes a number of extension activities to promote institute-neighborhood community to sensitize the students towards community needs. The students of our college actively participate in social service activities leading to their overall development. The

college runs effectively National Service Scheme. Through these units, the college undertakes various extension activities in the neighbourhood community. NSS organizes a residential seven day camp in nearby adopted village and several activities were carried out by NSS volunteers addressing social issues which include cleanliness , tree plantation , water conservation, Social interaction, Environmental awareness, Women empowerment, National Integrity, Aids awareness, Blood donation camp, Health check up camp, etc.

Other than NSS units, the various departments of the college is conscious about its responsibilities for shaping students into responsible citizens of the country by making students aware of social issues through various programmes like Environmental Awareness, Personal Health and Hygiene, Diet awareness, Road Safety, Tree Plantation, Soil and Water Testing, Plastic eradication, No vehicle day, Voters awareness, Blood group detection, Health check - up camps, Blood donation camps, Dental checkup camp, etc. All these mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and self confidence of students. It also helped in cultivating hidden personality of students and created awareness among students.

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

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

1

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)

2

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

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

860

File Description	Documents
Reports of the events	View File
Any additional information	View File

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

2

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)

2

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution ensures adequate availability and optimal utilization of physical infrastructure as it is critically linked to the vision of the college- 'To establish a pedestal for the integral innovation, team spirit, originality and competence in the students, expose them to face the global challenges and become pioneers of Indian vision of modern society'. At the beginning of the academic year need-assessment for replacement / up-gradation/ addition of the existing infrastructure is carried out based on the suggestions of Heads of the departments, lab technicians and system administrator after reviewing course requirements, computer-student ratio, budget

constraints, working condition of the existing equipment and also students' grievances. The Time Table committee plans ahead for all requirements regarding classrooms, laboratories, furniture and other equipments.

Optimal deployment of infrastructure is ensured through conducting workshops/awareness programs/training programs for faculty on the use of new technology. Effective utilization of infrastructure is ensured through appointment of adequate and well qualified lab technicians/system administrator. The optimal utilization is ensured through encouraging innovative teaching-learning practices. The available physical infrastructure is optimally utilized beyond regular college hours, to conduct certificate courses, co-curricular activities/extra - curricular activities, parent teacher meetings, Campus Recruitment Training classes, campus recruitments, meetings, seminars, conferences etc.,.

It is used as an examination centre for Government examinations/University Examination

File Description	Documents
Upload any additional information	View File
Paste link for additional information	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.)

The Institute's skill courses include both sports and extracurricular activities as essential components. This is done to evaluate students and boost engagement. We provide the right facilities for sporting events, games, and cultural gatherings. At both the state and national levels, students have taken part in a variety of cultural events organized by other universities and brought the Institute numerous honors. There are three sizable playgrounds at the facility, each with room for a different sport, such as basketball, volleyball, cricket, football, hockey, and kho-kho. Tennis courts and gym facilities are available on a different field. A well-equipped auditorium can be used to organize events and cultural activities. Sports competitions and intra- and inter-facility games are regularly scheduled for students each year..

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	http://dsengg.ac.in/dsengg-campus-sportsgames.php

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

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)

77,742,968

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

4.2 - Library as a Learning Resource

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

LIBRARY AUTOMATION:

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

Total number of computers for public access : 24

Total number of printers for public access : 3

Internet bandwidth speed : 96 Mbps and Wi-Fi facility available.

Institutional Repository : Yes.

- Question bank.
- Thesiss (students projects)
- Newspapers (last six months)

PROVIDE DETAILS ON THE FOLLOWING ITEMS:

Average number of walk-ins / day 650 Average Number of books issued / returned / day 256 Ratio of library books to students enrolled 1/12 Average number of books added during last three years 4182 Average number of login to (OPAC) 56 Average number of login to e-resources 54 Average number of e-resources downloaded / printed : 25

WORKING HOURS:

On working days 08.00 A.M. – 07.00 P.M. On holidays 08.30 A.M. – 04.00 P.M. Before examination days 08.00 A.M. – 08.00 P.M. During examination days 08.00 A.M. – 08.00 P.M. During vacation 08.30 A.M. – 05.30 P.M.

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

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

B. Any 3 of the above

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

596351

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

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

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

20

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

4.3 - IT Infrastructure

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

The Institution has dedicated Internet Leased line of 15 Mbps, connected to more than 1000 terminals throughout the Campus. Students and faculty are free to access internet. This helps the students to prepare papers on the latest technologies to be presented in various symposiums and seminars.

Interested students who are willing to go abroad for further studies can take up tests such as GRE and TOEFL, take up online mock test and also browse through websites of various universities and centers of higher education around the world. The access speed enables the Students and Staff to download and upload files at a fast rate.

Name of the Internet provider BSNL Available bandwidth 500 Mbps Wi Fi availability Yes Internet access in labs, classrooms, library and offices of all Departments Yes Security arrangements Firewall-Cyberoam

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3330	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	View File
Upload any additional information	No File Uploaded

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

E. None of the above

File Description	Documents
Upload any additional information	No File Uploaded

Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

76,742,968

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

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

The college ensures optimal allocation and utilization of the available financial recourses for maintenance and upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received the college as per the requirements in the interest of students.

Laboratory: Record of maintenance account is maintained by lab technicians, Lab In charge and supervised by HODs of the concerned departments.

Maintenance of laboratories are as follows:- The calibration, repairing and maintenance of sophisticated lab equipment's are done by the technicians of related owner enterprises.

Sports: - Regarding the maintenance of sports equipment the college sports in charge is deputed.

Library:- 1. The requirement and list of books is taken from the concerned departments and HOD's are involved in the process. The finalized list of required books is duly approved and signed by the Principal. 2. Suggestion box is installed inside the reading room to take users feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment. 3. To ensure return of books, 'no dues' from the library is mandatory for students before appearing in exam. 4. Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are chalked out / resolved by the library committee.

File Description	Documents
Upload any additional information	View File

Paste link for additional information	http://dsengg.ac.in/dsengg-campus-hostel.php
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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

1900

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

246

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

B. Any 3 of the above

File Description	Documents
Link to Institutional website	http://dsengg.ac.in/pdf/DSEC-TIMES-2020-vol6-Iss2.pdf
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

144

File Description	Documents
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Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

<p>5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees</p>	<p>B. Any 3 of the above</p>
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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	No File Uploaded
Upload any additional information	No File Uploaded

5.2 - Student Progression

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

448

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

6

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

1

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

Cultural and Sports Committees Students have strong representations in all cultural and sports and games committees and help in organization and management of events.

Hostel Administration Students provide strong support in the administration and management of hostel affairs. Cultural Committee, Sports Committee and Cleanliness Committee. Students manage the entire functioning of the cooperative mess and organize extra-curricular events and competitionsthroughout the year. Organization of Special Events include, Seminar, workshop, conference Independence Day, Republic Day, Engineers Day, Science Day and various NSS and social service activities.

File Description	Documents
Upload any additional information	No File Uploaded

Paste link for additional information

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

1. Book Donation: Contribution by donating Books.

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

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

4. Campus recruiters

5. Summer Internship Opportunities

7. Alumni Meet

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

5.4.2 - Alumni's financial contribution during the year	E. <2 Lakhs
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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

The Institution, inspired by its vision of "integrated development of rural students and society" charts out its perspective plan for five years and effectively implements it. The College located in a rural setup has produced thousands of first-generation graduates till date. The College ensures decentralized and participatory governance. It emphasises on collaborative administration by incorporating all its stakeholders. The Management enlists the talents of the staff in shouldering various administrative responsibilities and appoints them as officials that include Deputy Principal, Vice Principal, Dean-Academic, Dean-Research, Dean-Students, Dean-Women students, IQAC Co-ordinator, Controller of Examinations, Chief Superintendent of Examinations, Heads of various Department, Office Superintendent and Coordinator of various institutional cells.

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

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

The College promotes participative management. Ideas pertaining to academic goals, organizational progression and better campus life are collected from all stakeholders to promote efficient functioning of the College. The staff and other stakeholders help in infusing a positive attitude that leads to increased efficiency, improved communication, heightened morale, motivation and job satisfaction. Believing in decentralization, the Management takes policy decisions, finance, infrastructure etc.

The Governing Council (GC) is the apex body constituted to oversee the various Institutional activities. The GC comprising the founding members, eminent administrators from reputed organizations, industry representatives and faculty members of the institute are steering the institute in a progressive path towards realizing the vision of the institute, since its inception. The perspective plan for the growth and expansion of the institution, review of the progress,

approval of annual budget and expenditure is encompassed by the Governing Council.

The IQAC is a part of the institution's system and works towards the realization of the goals of quality enhancement and its sustenance. The IQAC ensures the effective implementation of quality initiatives through continuous reviews and periodic meetings. The IQAC works towards attaining excellence in all academic activities and for continuous improvement in the teaching-learning process.

The Academic Council serves as an integral part in formulating, tracking and guiding the overall academic activities of the institution. The main responsibility of the academic committee is to encourage an intellectually stimulating environment within the campus and implementing all the academic guidelines.

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	Nil

6.2 - Strategy Development and Deployment

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

The institutional Strategic/Perspective plan is effectively deployed: The Institute's quality policy is well conveyed from its vision and mission statements. Strategic plan and action plan are designed in such a manner that this quality policy is driven and deployed during every process. Each process is regularly reviewed by a monitoring mechanism. Strategy to develop competences to serve the ever changing needs of the industry & society and strategy to empower the faculty, staff and aspiring engineers with essential technical knowledge and skills: Applying the innovative teaching learning methods such as Cooperative learning, Group discussions, Seminars and Lab Demonstrations. Arranging industrial visits, in-plant trainings and guest lecture for students. Organizing orientation programs, courses related to the curriculum. Use of teaching aids such as Models, Multimedia Presentations, NPTEL video lectures etc. Introduction of online academic monitoring systems - Linways, software to assess and regulate the academic process. Strategy to strengthen collaborative research and consulting environment with industry and other institutes: Establishing research labs in departments imparting PG programmes. Encouraging the faculty for research publications. Motivating the students for research by organizing technical competitions and also presenting papers in conferences. Appreciating the research of students/faculty. Forming MoUs with industries and other institutes. Faculties are being motivated to undertake consultancy works.

Strategy to inculcate social and ethical values: □ Establishing NSS cell and organizing various social programs/ activities through this cell. □ Establishing community and ethical value based cells and organizing awareness programs on various ethical issues through these cells.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
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.

Committed to achieve recognition as "Institution of Excellence" by consistently providing quality education in the fields of Engineering, Technology and Management with professionalism and global outlook ensuring continual improvement.

OBJECTIVES

- To provide very high standard of technical knowledge and continual improvement in all fields of engineering through quality education.
- To provide a high quality education in various disciplines of engineering programmes by conducting effective learning sessions and Co-curricular activities like technical seminars, workshops, symposia, conferences and Industrial Visit.
- To encourage the students to face the technical scenario with excellent technical skills obtained through contextual analysis, critical thinking, quantitative reasoning and acquiring information through various e-learning processes.
- To motivate students with good moral support by conducting various counseling events to strengthen their technical aspects and gain more knowledge.
- To prepare students to adapt successfully to the new changing technologies and apply those skills in a new perspective way to meet out the demands of society, obtained through academic programmes, student support, communication and collaboration with the industries
- To develop life-long learning skills that allow them to be adaptive and responsive to changes in society, technology and the environment, as well as career demands.
- To provide an accredited dynamic scholarly environment wherein students learn to develop communications and leadership abilities to emerge as a complete professional.

HR manual :<https://www.dsengg.ac.in/2018/placement/HR%20Manual.PDF>

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.dsengg.ac.in/2018/placement/HR%20Manual.PDF
Upload any additional information	View File
Paste link for additional Information	Nil

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

B. Any three of the above

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

6.3 - Faculty Empowerment Strategies

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

In our Institution Staff welfare is given foremost importance. In connection with this, Existing welfare measure for teaching and non-teaching staff are itemized below: Health insurance. Medical Leave & Maternity leave for eligible staff members Faculty members are eligible for Earned Leave Advances for the school fee & festivals. Gym is also accessible for the staff. Medical center. Transport on reasonable cost. Employee gets fees concession for their ward. Recreation centers are established for staff staying in campus. Sponsorships to attend and present papers in conferences both in India as well as abroad. In and around campus, various food centers has been established which are accessible by staff during the working and extended hours. Internet and free Wi-Fi facilities are also available in campus for staff Faculty development programs (FDP) for faculty members on regular basis Skill development courses are organized for non-teaching staff to enhance their skills in work environment. The management also extends financial assistance to the needy students for pursuing higher education in our institution as per the requirement.

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

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

16

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

9

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.)

32

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 has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. Internal audit is conducted half yearly

by the internal financial committee of the institution. The committee thoroughly verifies the income and expenditure details and the compliance report of internal audit is submitted to the management of the institution through principal. External audit is conducted once in every year by an external agency. The mechanisms used to monitor effective and efficient use of financial resources are as below: Before the commencement of every financial year, principal submits a proposal on budget allocation, by considering the recommendations made by the heads of all the departments, to the management. College budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges etc., and non - recurring expenses like lab equipment purchases, furniture and other development expenses. The expenses will be monitored by the accounts department as per the budget allocated by the management. The depreciation costs of various things purchased in the preceding years are also worked out.

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

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

Institute maintains & follows a well-planned process for the mobilization of funds and resource. The process involves various committees of the institute as well as the Department Heads and Accounts office. Institute has designed some specific rules for the fund usage and resource utilization. Mobilization of Funds, the student Tuition fee is the major source of income for the institute. The management provides need-based loans to individual colleges. Various government and non-government agencies sponsor events like seminars and workshops. Sponsorships are sought from individuals and corporate for cultural events and fests.

Utilization of Funds □ A committee has been constituted to monitor the optimum utilization of funds for various recurring and non-recurring expenses □ The purchase committee seeks quotations from vendors for the purchase of equipment, computers, books, etc. □ The quotations are scrutinized by the finance and purchase committee before a final decision is made based on parameters like pricing, quality, terms of service, etc. □ The Principal, finance and purchase committees along with the accounts department ensure that the expenditure lies within the allotted budget. The intervention of the management is sought in case the expenditure exceeds the budget.

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

6.5 - Internal Quality Assurance System

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

The IQAC at DSEC was constituted on 14th march 2014. Since then, it has been performing the following tasks on a regular basis: 1. Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from students. 2. Providing inputs for best practices in administration for efficient resource utilization and better services to students and staff. 3. Providing inputs for Academic and Administrative Audit and analysis of results for improvement in areas found weak. Students and staff give their feedback and suggestions on teaching and administrative performance through the email to the Coordinator, IQAC at iqacdsec1@dsengg.ac.in. The IQAC has immensely contributed in the implementation of quality assurance strategies and processes at all levels. The Institute IQAC regularly meets every three months.

The Institute IQAC prepares, evaluates and recommends the following for approval by the relevant Institute and Govt. statutory authorities:

(a) Annual Quality Assurance Report (AQAR) (b) Self-Study Reports of various accreditation bodies (UGC NAAC, NIRF, NBA)

(c) Performance Based Appraisal System (PBAS)

(d) Stakeholder's feedback

(e) Action Taken Reports

(f) New Programmes as per Govt. Policies

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://dsengg.ac.in/dsengg-academic-cell-internalqual.php

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

After establishing the IQAC in the college, started working towards quality education and inculcating quality culture among the students and staff. The IQAC has also contributed towards institutionalizing the quality assurance strategies and developed various processes as follows: 1. Promote industrial involvement in academic practices by organizing industrial training, industrial visits, workshops, and guest lecturers from industry experts, MOUs, etc. 2. Implementation of Outcome-based learning education in each program. 3. Introduces the aptitude classes and soft skill classes for students to enhance personality and employability. 4. Participation of college in NIRF, ARIIA, NBA, AISHE, and various other quality audits recognized by the state, national and international agencies. 6. Establishing Research and Development cell to promote Research and Development activities. 7. Conducting quality programs i.e., seminars, webinars, guest lectures, conferences, etc. 8. Establishment of various processes to take feedback/surveys from various stakeholders. 9. To implement and enhance the use of ICT tools to strengthen the teaching-learning process. 10. Establishment of the Mentor-mentee process and its effective implementation. 11. To submit the Annual Quality Assurance Report (AQAR) annually to the NAAC. 12. To institutionalize the best efforts to make the campus ragging-free and develop the discipline in the students along with the establishment of grievance redressal cell.

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

6.5.3 - 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	http://dsengg.ac.in/pdf/DSEC-TIMES-2021-Vol-7-Iss-1.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

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 College has a strong ethical work culture that is based on inclusivity. It observes highest ethical standards in all its activities. Equal opportunities are provided to all individuals irrespective of gender, race, caste, color, creed, language, religion, political or other opinion, national or social origin, property, birth or other status. Its unique work culture, healthy traditions and ethos have led to enrolment of the employees as per the roster. Safety, security and well-being, along with gender equity and friendly working atmosphere are the issues of prime concern to DSEC. Gender sensitivity is an inherent value in the cultural ethos of the institute and its neighboring community, as is evident by the following facilities -

- Rotational duty by all faculty members for discipline and security.
- Women faculty members accompany girl students when they participate in outdoor activities or tours.
- Internal Complaints Committee (ICC) interacts regularly with the girl students and resolves the issues addressed by them.
- The college ensures social security through Anti-Ragging Committee and Grievance Redressal Committee.

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

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

C. Any 2 of the above

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

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

Solid Waste:

Incinerators are fixed in ladies washrooms for hygienic and safe disposal of used sanitary napkins. Paper Waste: Dustbins are provided in every classroom for collecting paper waste. Dustbins are cleared every day. Students are encouraged to submit e-assignments. Food Waste: Separate dustbins are kept in the canteen and hostels for collection of food waste. They are aggregated twice a day in collection containers of the piggery unit of the RDS department to be used as feed for the pigs and piglets. Kitchen waste in the hostel is used as the basic substrate for the Biogas unit. On an average, one cylinder of biogas is produced per day. Farm Wastes accumulated from cattle units, poultry units and field crops are used for compost and used in the college farm. Cow dung is used as the basic substrate for the Biogas unit in the hostel. Generated fuel is channelled into the kitchen

Liquid Waste Management Conventional macro-scale experiments are replaced by micro-scale experiments in the Chemistry laboratory as a Green Practice to minimize the usage of chemicals and water. Liquid wastes generated by the RO units are directed towards collection drains in the rear side of the college building. The collected water is used for irrigating the crops in the farm.

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

C. Any 2 of the above

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

Any other relevant information	View File
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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

C. Any 2 of the above

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

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

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	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms

C. Any 2 of the above

and centres Disabled-friendly washrooms
 Signage including tactile path lights,
 display boards and signposts Assistive
 technology and facilities for persons with
 disabilities: accessible website, screen-
 reading software, mechanized equipment,
 etc. Provision for enquiry and information:
 Human assistance, reader, scribe, soft
 copies of reading materials, screen
 reading, etc.

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).

To build a nation of youth who are noble in their attitude and morally responsible, the college organizes and conducted several activities to build and promote an environment for ethical, cultural, and spiritual values among the students and staff. To develop the emotional and religious feelings among the students and the faculty, commemorative days are celebrated on the campus with the initiative and support of the management for not only recreation and amusement but also to generate the feeling of oneness and social harmony. The college and its teacher and staff jointly celebrate the cultural and regional festivals, like New-year's day, Fresher day, teacher's day, orientation and farewell program, Induction program, rally, oath, plantation, Youth day, Women's day, Yoga day, festivals, religious ritual activities are performed in the campus. Motivational lectures of eminent persons of the field are arranged for all-round development of the students for their personality development and to make them responsible citizens following the national values of social and communal harmony and national integration. Besides academic and cultural activities, we have built up many strong infrastructures for a variety of sports activities for the physical development of the 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:

Institution takes pride in launching the Plantation Programme wherein the focus does not stop with the sound academic foundation of the student community but it moves a step forward to develop them as better citizens of the country. In this regard, the institute, apart from imparting professional legal education, inculcates a feeling of oneness among the student community through various practices and programs. Various faculties have always been in the practice of organizing activities that not only initiate but also motivate the students to adopt various practices that promote the "Unity in Diversity" of our motherland. The Green Initiative aims the competitiveness in the environmental space to allow the ability to go neutral on Greenhouse Gas emissions.. The College ensures that the students participate very enthusiastically in all such activities. The College celebrates the Independence Day & Republic Day vigorously. The Faculty members of all departments, have organized various academic and co-curricular activities for the propagation of the Fundamental Duties and Rights of the Indian citizens. The students were engaged in several programs like Academic programs like webinars, Conferences, Expert talks, Bright talks etc which have enriched the awareness about these aspects

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

B. Any 3 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. Inspired by the Swachh Bharat Abhiyan, launched on the birthday of Mahatma Gandhi (2 October), Swacchta Pakhwada, a 15 days cleanliness drive, is organised every semester, to clean the College premises and the adjoining areas.
2. Every year, the International Women's Day (8 March) is celebrated by organising programmes on gender equality and justice, by the ICC, WDC and the Girl Up society of the College.
3. World Environment Day (5 June) is observed with the planting of saplings. As a part of the Earth Hour Movement, Tatva, the Eco Club, encourages the students and staff to turn off the non-essential electric lights. Van Mahotsav Week (1-7 July) is organised by administering Green Pledge to the students.
4. Cultural programmes are organised on the occasion of Independence Day and the Republic Day for the Coolie Camp and Govindpuri Slum children.
5. National Voters' Day (25 January) is observed with the setting up of the Voter Awareness Forum. The NSS also organises programmes to make the youth aware about their electoral rights.

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

7.2 - Best Practices

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

1. Title of the Practice

Institute Industry Interaction

2. Goal:

To build a strong industry institute interaction to prepare the students as industry ready professionals.

To set up industry/start ups in the campus to enhance the real practical ability among the students.

To assist the faculty to do in-house real time projects/consultancy projects/ research works.

3. The Context

The Institution aims to encourage faculty members and research scholars of different disciplines and faculties to involve in research, increase awareness and benefits of research culture among the stakeholders, facilitate communication among researchers. To promote research setup and supportive administrative structure within the institution.

4. The Practice

The Institution had insisted all the department heads to identify the respective and prospective industry/institutions to sign MoUs/Tie ups for the collaborative research works and set up start-ups in the campus.

5. Evidence of Success

Each year, MOUS are signed with Industries through which many activities are carried out for the betterment of students.

6. Resources required

Equipments and Machineries as per the industry requirement.

Faculty knowledge accomplishment in the recent industry trends.

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

7.3 - Institutional Distinctiveness

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

The college aspires to be known as an institution that promotes the following: 1. Promoting academic, physical, moral and cultural development of students to make them responsible citizens of the country. 2. Promote education of girl students. 3. Catering to the needs of the local community.

Since its inception in 2001 the college has rendered valuable contribution to the field of higher education among under privileged students particularly students from refugee families who settled here after partition. The highly qualified teachers of the college try to impart quality education by both conventional and non-conventional methods. Apart from academic excellence, the college also pays sincere attention to the physical, moral and cultural development of the students. The college has a large playground and ample sports equipment which encourage our students to engage themselves in different sports activities on a regular basis.

File Description	Documents
Appropriate link in the institutional website	www.dsengg.ac.in
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

DSEC aims to inculcate critical thinking, creativity, problem solving skills, Scientific temper, social responsibility and digital literacy among the students which will pave way for quality education. Improving the combined metric for Placement and Higher Studies. The Institution is planning to offer More skill based programmes, Industries and other National and International Universities. The institution is proposed to have tie up with Board of Apprenticeship training to provide Internship embedded programmes for students under which the students will have opportunity to undergo internships in various Industries. We adopt Outcome Based Learning ensures reflective, responsible and lifelong learning to the students. This Industry oriented Programme will enhance the employability skills of the students. The advanced equipment in the lab provides practical and hands on experience to students. The skillsets of the students can be improved with such laboratories. Increase in quality of publications. Enhancement in RD Cell to receive fund from funding agencies. Increase in patents and product development and Industrial collaborations. Centre of excellence in association with leading industries. Setting up of new laboratories / upgrading of existing laboratories with industrial collaboration. Increase in industrial consultancy revenue. Inducting adjunct faculty from reputed industries Human Resource and Infra-structure development. Budget utilization for establishing state-of-the-art facilities. Preference for PhD candidate industrial experts while recruiting. Increasing NPTEL/ SWAYAM online. NBA accreditation proposed for CSE, IT and MECH.