



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution		SHRI VILE PARLE KELAVANI MANDAL'S DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING
• Name of the Head of the institution		DR. HARI VASUDEVAN
• Designation		PRINCIPAL
• Does the institution function from its own campus?		Yes
• Phone no./Alternate phone no.		02242335096
• Mobile no		9821464696
• Registered e-mail		info@djsce.ac.in
• Alternate e-mail		principal@djsce.ac.in; ramchandra.mangrulkar@djsce.ac.in
• Address		Plot No. U-15, JVPD Scheme, Bhaktivedanta Swami Marg, Vile Parle (West),
• City/Town		Mumbai
• State/UT		Maharashtra
• Pin Code		400056
2.Institutional status		
• Affiliated /Constituent		Autonomous
• Type of Institution		Co-education

• Location	Urban				
• Financial Status	Self-financing				
• Name of the Affiliating University	University of Mumbai				
• Name of the IQAC Coordinator	Dr. Vijayakumar Kottur N.				
• Phone No.	02242335032				
• Alternate phone No.	02242335096				
• Mobile	9869363683				
• IQAC e-mail address	vijaykumar.kottur@djsce.ac.in				
• Alternate Email address	hari.vasudevan@djsce.ac.in, ramchandra.mangrulkar@djsce.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.djsce.ac.in/docs/aqar/AQAR%202021-22.pdf				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.djsce.ac.in/docs/Academics/Academic%20Calendars%20-%2022_23.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.18	2019	18/10/2019	17/10/2024
6.Date of Establishment of IQAC		13/07/2015			
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Nil	Nil	Nil	Nil	00	
8.Whether composition of IQAC as per latest		Yes			

NAAC guidelines	
<ul style="list-style-type: none"> • Upload latest notification of formation of IQAC 	View File
9.No. of IQAC meetings held during the year	2
<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes
<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> • If yes, mention the amount 	
11.Significant contributions made by IQAC during the current year (maximum five bullets)	
<p>The Internal Quality Assurance Cell (IQAC) has played a pivotal role in elevating the institution's academic and research standing in the current year. Notable achievements include the successful organization of an International Conference on Intelligent Manufacturing and Automation (ICIMA -2022) by the department of Mechanical Engineering, fostering global academic collaboration with the acceptance of 69 out of 119 research article submissions. Moreover, the institution's commitment to research is evident through the publication of 98 Journal papers & 102 conference and book/book chapter publications by faculty members, reflecting the institution's dedication to advancing knowledge.</p>	
<p>IQAC's emphasis on innovation and intellectual property is underscored by the grant of 33 intellectual property rights and the recognition of Dwarkadas J. Sanghvi College of Engineering with a 4 Star Rating for activities in the Institutions' Innovation Council (IIC). This rating attests to the institution's consistent commitment to innovation and entrepreneurship, nurturing an environment conducive to creative exploration.</p>	
<p>IQAC has played a key role in enhancing the professional growth of faculty members and students. A total of 242 Faculty Development</p>	

Programs (FDPs) were attended to stay updated on the latest developments, ensuring the delivery of high-quality education. In addition, students have benefited from various training programs, including skill development sessions and guidance on research paper writing. IQAC have initiated and fueled the implementation of NEP 2020 from the AY 2023-24.

IQAC has facilitated impressive placement records, with a total of 435 placement offers, with highest CTC of 43 LPA and an average CTC of 10.78 LPA. These results reflect the institution's commitment to providing valuable career opportunities for its students.

The institution's continuous dedication to excellence has been recognized through multiple prestigious national rankings, including NIRF, Times of India, The Week, India Today, Open Magazine, CSR-GHRDC, and Outlook India. These accolades further underscore the institution's reputation as a top-tier educational institution.

12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
<p>To improve placements of students</p>	<p>Received 435 placement offers, with a highest CTC of 43 LPA and an average CTC of 10.78 LPA • Placement Preparation Session by Prof. Shiney Nair on Resume Building. • Pre-Placement guidance talk was conducted by Shiny Nair. • Orientation on Internship Policy was organized. • A session on Changing Trends in Management and Tips to crack GD and PI was organised by Indian Society of Manufacturing Engineers (ISME). • A session on Tech Interview Questions was organised by DJ Codestars for all the students of IT department.</p>
<p>Participation for NIRF and other surveys</p>	<p>NIRF 2022 has ranked DJSCE at 197th position among the top engineering colleges in India and applied for NIRF 2023. In NIRF 2023 DJSCE was positioned in the band 151-300 in the innovation category. • Times of India survey has ranked Dwarkadas J. Sanghvi College of Engineering (DJSCE) 10th amongst the Top 125 Private Engineering institutes of our country & 15th amongst the Top 170 Engineering institutes of the country. The college is also ranked 2nd best in the West Zone of the country (Issue: 14th June 2022). • The Week survey has ranked Dwarkadas J. Sanghvi College of Engineering (DJSCE) 33rd amongst the Top 216 Engineering Colleges of India and 9th amongst the Top 190 Private Engineering colleges of India. • India Today survey (2022) has ranked Dwarkadas J.</p>

	<p>Sanghvi College of Engineering (DJSCE) as the "Best Private Engineering College" (Rank 1) in the West Zone of the country. The college is also ranked 11th amongst the Top 238 Private Engineering institutes of our country in its latest edition (Issue: 4th July 2022). • Open Magazine survey has ranked Dwarkadas J. Sanghvi College of Engineering (DJSCE) as the Best college (Rank 1) in Maharashtra State as well as Best College (Rank 1) in the West Zone of the country from amongst the Top 36 Private Engineering institutes (Issue: 08th August 2022). • CSR-GHRDC (Competition Success Review - Global Human Resource Development Centre 2022) Survey has ranked DJSCE 23rd amongst the Top 25 Engineering Colleges in India and 3rd in Maharashtra (Issue: July 2022). • Outlook India - Drshti Survey 2022 has ranked DJSCE 105 amongst the Top 160 Engineering Colleges of India (Issue: 08th July, 2022).</p>
Research Approval Committee (RAC) meetings & Annual Progress Seminar (APS) to monitor the progress of research scholars pursuing M.Tech. and Ph.D.	Bi-annual progress evaluation is in place and few research scholars are awarded with PhD Degree.
Improving the Curriculum	The syllabus for the first year B. Tech programmes for AY 2023-24 has been updated as per NEP 2020. In AY 2022-23, Java was added to the First Year syllabus. The syllabus revision was carried out by a committee involving external experts from industries and academia.
Training to faculty members	Organized various programs to

	enhance the academic and research skills of the faculty members. • Faculty Orientation Program. • Faculty Development Program.
Promote faculty publication and research activates	<p>Faculty Research: Faculty members have contributed significantly with more than 100 international publications in renowned journals and conferences. • The publication record of 98 journal articles and 102 conference and book/chapter publications by faculty members demonstrates the institution's strong commitment to research and its objective of furthering knowledge. •</p> <p>Professional Development: Faculty members have attended 242 Faculty Development Programs (FDPs), ensuring continuous growth and high-quality education delivery.</p>
Patent/Copyrights	A total of 33 intellectual property rights were granted to both students and faculty.
Familiarize the students with emerging technologies	<p>Organized various programs to familiarize the students with emerging technologies. • DJ InIT.AI organized a 6-hour datathon: Data 2 Knowledge with over 43 teams (over 80 participants) participating for the event. The event was technically sponsored by Data Science Wizards, Textify AI, OGGNTECH who also judged the finals for the event. • A session on Competitive Coding was organised for the students. The session was delivered by Mr. Lekhraj Varshney (Senior Associate - JPMC & Co. , 2015</p>

	<p>batch alumni) under the Alumni-Student Interaction Program • Dr. Prasad Joshi, Professor & Head Department of Electronics Engg taken an expert lecture on IoT. Sir has started his session with Introduction and different definitions of IoT. Real time examples and applications were discussed further with demonstration of different IoT projects. • Corporate trainer Mr. Tushit Verma, Ajoy Pathak, S. Raghavan, conducted Hands on workshop on "Build your own token using ethereum blockchain". They covered creation and deployment of token in the session. • Dr Surya Durbha, a distinguished IoT Expert and Professor at IIT Bombay delivered Keynote Lecture on</p>
Train the non-teaching staff members for the effective utilization of the resources	<p>Interactive session on Stress Management was organised in Conference Room from 10 am to 1 pm for Teaching and Non-Teaching staff of college. Mr. Sandeep Narang from Yoga Prabha Bharati Seva Sanstha Trust (YPBSTT) conducted it. It was a very lively and interactive event and participants really found it very useful for knowing the techniques of Stress Management.</p>
Encouraging students to participate in various National and International competitions	<p>Encouraging students for various national and international competitions has been a pivotal focus aligned with IQAC's roadmap for enhancing educational quality and fostering holistic development. Throughout the academic year, several initiatives were</p>

	<p>introduced to promote student participation in these forums, leading to remarkable outcomes and achievements. Noteworthy achievements include securing top positions, commendations, and awards in hackathons, robotics competitions, engineering challenges, and innovation domains. These victories highlight the students' innovative thinking, problem-solving abilities, and technical skills. This robust participation and commendable success in various competitions stand as a testament to the institution's commitment to empowering students and fostering a culture of excellence, innovation, and competitiveness.</p>
<p>Preparation for project competition DJS Nirmiti, DJS Strike, DJS Spark and Avishkar</p>	<p>Throughout the academic year, our institution meticulously prepared students for various project competitions, fostering a culture of innovation and practical exposure. DJS Nirmiti, held from 8th to 11th March 2023, emphasizing practical exposure and lifelong learning. DJS Strike, was held on 3rd April 2023, aimed to bridge theory-practice gaps, enhance technical writing, and empower students to present innovative projects. This competition covered diverse domains, from IoT to database management, enabling students to craft contemporary solutions. DJS Spark 2023, organized on 3rd April 2023, facilitated theoretical-practical knowledge integration. This event allowed</p>

	<p>students to showcase projects, fostering technical writing and research abilities.</p> <p>Additionally, our institution actively participated in the 17th Inter-Collegiate Avishkar Research Convention, organized by the University of Mumbai, presenting projects covering various engineering and technology aspects. These initiatives have been aligned with the IQAC's plan to enhance quality through innovation and practical exposure.</p>
Academic Audit	<p>Consistent with our commitment to quality enhancement, internal and external academic audits are conducted regularly. The Internal Audit Committee, rigorously oversees the internal audit process, ensuring adherence to established standards and practices. Simultaneously, individual departments appoint external auditors, emphasizing an inclusive approach to the evaluation process. These audits serve as robust mechanisms for comprehensive assessments, meticulously examining our academic operations, methodologies, and structural frameworks.</p>
13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name	Date of meeting(s)
Governing body	03/08/2023

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2021-22	20/01/2022

15. Multidisciplinary / interdisciplinary

The Institute, Dwarkadas J. Sanghvi College of Engineering (DJSCE), envisions to be a world class institution for education, training & research in engineering by inculcating values and skills for sustainable development of the society.

The National Education Policy 2020, which stresses heavily upon multi-disciplinary and holistic education, was implemented in Maharashtra in the AY 2023-24. However, the institute, effectively utilised its affiliated autonomous structure and implemented the Honors and Minors Program, during the AY 2022-23 itself. This led to effectively focusing upon multi-disciplinarity as a hallmark of institute's curriculum. A clutch of 9 honors and 8 minors program were introduced. Each program uniquely and exclusively allowed the students to explore cross disciplinary areas, which earlier was prevented in the university curriculum. The Honors program allows the learner required freedom to choose advanced courses in her / his program discipline. The Minor program allows a learner to explore cross domain disciplinary areas depending on her / his choice and interest orientations. Thus, a mechanical engineering student could conveniently pursue a Minor in Data Analytics offered by Computer Science and Engineering (Data Science) department, as well as a student belonging to the branch of Computer Engineering, could pursue his / her interest in robotics, by pursuing the Minor program in Robotics offered by the department of Mechanical Engineering.

The autonomous structure had already allowed the institute to introduce exclusive open elective courses, not specific to any program, as credit courses in the final year of undergraduate engineering program. The open electives or Institute Level Electives, as they have been named are a wholesome bunch of 20 unique courses offered at sem VII and VIII exclusively. The courses cover a broad array of subjects like, finance, logistics, cybersecurity, management information systems, etc to mention a few!

Introduction of mandatory courses like Constitution of India, Universal Human Values and, Environmental Science in the autonomous structure, since AY 2019 - 20, have already helped address a blend of not just a multi-disciplinary curriculum, but added values of

morality, ethics, environmental concerns and respect for constitutional laws. NEP 2020, compliant revised curriculum has provided an opportunity to introduce mandatory credit courses such as Indian Knowledge System as a mandatory part of every program, thus bringing in light, pride and recognition for traditional Indian knowledge contributions in the areas of science, engineering, art & craft, architecture etc.

The multi-disciplinarity structure has been taken to the next level of experiential learning at the institute, largely because of the vibrant, student chapters and clubs - 14 and 30 in number respectively. The various student chapters and clubs have helped create a vivid palette of courses that provide options over wide ranging areas, which include - Engineering, Arts, Literature, Music, Dance, Drama, Fashion, Community Service, Entrepreneurship to name a few. With every learner, irrespective of the program he/she belongs to, being unique and distinct - a choice can be made purely on interest inclination and skills for being a part of these activities, which blend harmoniously with academic curriculum. Learning through discovery has thus become a reality.

16.Academic bank of credits (ABC):

In line with the expected roll-out of NEP 2020 and compliance expected by various academic institutions, the institute had initiated steps during the academic year 2021-22 to formulate expert teams and committees for making the draft of the Institute Development Plan (IDP). The draft lists out prominently, the institute's goals with the objectives and planned activities. DJSCE primarily aspires to become a certificate/diploma/degree granting institution. The eight undergraduate and three post-graduate programs offered by the institute focus on a multi-disciplinary holistic approach. This has ensured incorporation of not just the requisite courses in the respective programs, but also numerous electives for the learner to choose from a bouquet of courses. The institute also envisages to progressively provide a thoroughly flexible structure for the learner to pick-and-choose courses of her/his choice from other institutes that she/he aspires to pursue from and is in the process of actively being a part of the network of institutions participating in the establishment and maintenance of Academic Bank of Credit (ABC). Thus, as focussed and promoted by the ABC structure, the institute is committed to facilitating the academic mobility of students. This shall enable them to freely study across any Higher Education Institutes across the country and facilitate the "credit transfer", across the institutes of their choice. The institute has already registered on the portal and the

awareness is created among the students regarding Academic bank of credits (ABC). More than 3000 students have already registered on the portal and have received their ABC ID.

17.Skill development:

The institute's curriculum has numerous skill development courses that provide learners with an experiential learning opportunity. A unique offering is a credit course - Innovative Product Development (IPD), which is pursued by learners progressively over semesters 3 to 6. Student groups are expected to think, discuss, brainstorm, and evolve idea-solutions to real world problems. The idea-solutions, mentored by faculty members, evolve and progress from semesters 3 to 6, giving an opportunity for the learner to experience and explore various technical aspects and technologies as well as enabling them to publish their works / findings upon recommendations from their mentors. Learners are also allowed to form inter-disciplinary teams, that give them opportunity to assimilate holistic problem solving skills.

Vocational skill training courses form the basis or backbone of the engineering curriculum at DJSCE. Every program is based uniquely upon not just courses based on technology fundamentals, but more importantly is also focussed upon tech-tools, implements and mechanisms that are the driving forces of practical industry. Almost a decade ago, DJSCE spearheaded and set the trend in a unique activity of engaging programming courses, like Structured Programming Using C and Object Oriented Programming Using JAVA at First Year of engineering, in a complete laboratory based practical environment. Every learner having her/his computer terminal understands, learns and demonstrates the programming skill set practically.

Irrespective of the program every learner is expected to undergo a mandatory credit course - Workshop Practices, wherein a learner is exposed to not just the classical industry trades, like - carpentry, fitting, electronic-soldering, printed circuit board (PCB) making, plumbing, welding and sheet-metal etc., but also trades involving modern manufacturing technique, i.e. 3D printing as well as drone technology.

All engineering programs give an opportunity to the learners to fully involve in their final year project, pursued in semester VII and VIII. The final year project activity is a culmination of knowledge acquired by students allowing them to demonstrate their skills in capstone project - conception, formulation, and

implementation.

Internships are a major avenue for skill acquisition, nurture and demonstration. Institute offers extensive hand-holding support to students for internship pursuit, by conducting internship fairs. The internship fair conducted in March 2023, saw more than 35+ companies in attendance and 200+ on-the-spot offerings to students. For AY 2022-23, a total of 805 students successfully underwent the internship training.

Similarly, the local SWAYAM / NPTEL chapter has helped the students to pursue speciality technical courses offered by faculty members of national / international repute. During AY 2022-23, total 1171 candidates including faculty members and students, enrolled in various courses. From the enrolled candidates, 135 successfully completed the course, of which 19 were course toppers. Also the 'IBM Innovation Centre' is an industry curated program that provide an edge for the students to pursue specialization extensive courses in select areas of, AI & ML, Data Analytics and IoT. During the year 2022-23, 54 students enrolled for the IBM Advanced Technology Courses and all the students successfully completed the same.

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

With the implementation of NEP 2020, the institute curriculum was revised in the AY 2023 - 24 and a compulsory course - Indian Knowledge System for 2 credits has been incorporated as part of the same. The objective of the course is to help students discover knowledge about basic principles of traditional Indian, thought processes, reasoning and inferencing. It attempts to expose students to various Traditional Indian Knowledge Systems blending with stress on holistic learning involving yoga and wisdom oriented living in modern society. The course is conducted in tutorial format, wherein students are engaged into group-discussions, presentations, seminars and, dramatic adaptations etc. on topics covering aspects related to Indian scientists and their inventions, art and architecture, classic literature, and Indian religion and philosophy.

Although, at present the medium of instruction at the institute is English, the institute is open to explore a demand-based approach for incorporating a bi-lingual or vernacular based approach as the medium of instruction.

The institute curriculum DJ19 implemented during the AY 2019-20, much before implementation of NEP compliant curriculum and syllabus,

had already introduced mandatory courses of social and moral importance like - Universal Human Values (UHV), and Constitution of India (CoI). Traditionally our country has had a proud historical past of a deep-rooted value system and culturally diverse, but politically enriched environment. The course UHV helps students discover harmony among themselves, their family, society and nature as well as helps recognise every individual as distinct and special as themselves and thus develop right understanding and competence. The course CoI helps provide basic information about Indian constitution, as well as helps an individual to identify role and ethical responsibilities towards society. CoI also introduces and adds to the students' understanding of human rights and their implications.

Even before the implementation of NEP 2020 based curriculum, a focussed and sincere approach was made to give the students an adequate flavour and exposure of traditionally rich art forms of - Music, Dance, Drama Literature, etc. The institute has 14 student chapters, each being of significant national / international repute and it has 30 student clubs. The various student clubs have helped create a vivid palette of courses that provide options for wide ranging areas, which include - Art, Literature, Music, Dance, Drama, Fashion, Community Service and, Entrepreneurship etc. The level playing choice-based system allows students to not just exercise their choice in choosing courses of their choice in a program, but also lets the students decide, purely on the basis of their interest orientation and inclination, about being a part of a club.

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

Outcome-Based Education (OBE) model is implemented at DJSCE from academic year 2015-2016. OBE is used as a student-centric teaching learning model to measure student performance through outcomes that include knowledge, skills and attitudes. The institute's vision & mission were first framed that represents the short-term goal as well as long-term goal, in terms of students' learning outcomes, their personal growth, skill development and institution's overall performance. Departments subsequently formulated its vision and mission in alignment with Institute's vision and mission. To measure the progress of students, Program Educational Objectives (PEO), Program Outcomes (PO), Program Specific Outcomes (PSO) and Course Outcomes (CO) were set. For expectations, set in terms of Vision and Mission, PEO, PO & PSO, a right curriculum is important. For this, departments identified important domains in the respective programs, which helped them identify and select the right course(s) from each domain as part of the curriculum. Teachers set expectation about

her\his courses in the form Course Outcomes (CO), keeping in mind the requirements of Bloom's Taxonomy. To make students achieve course outcomes, an OBTLT model is followed. To measure the success of the students, OBA Model was adopted. The PEOs are measured through Employer feedback, Alumni survey, Placement records and Higher education records.

With implementation of NEP 2020, the institute's curriculum was revised in the AY 2023 - 24. NEP 2020 primarily focussed upon the pivotal areas and aspects of multi-disciplinarily, and holistic education. Institute's revised as well as existing curriculum had unique multidisciplinary offerings for the students in terms of Honors / Minor program (18 credits, earned over 4 semesters, 5th to 8th); Institute Level Electives, mandatory two courses of 3-credits at 7th and 8th semester, which are to be chosen from a bouquet of 20 comprehensives and non-program specific courses etc. Also the mandatory credit courses, like Universal Human Values, Constitution of India, Indian Knowledge System and Liberal Learning etc., have added to the much-needed blend of ethical, social, health & wellness, and value based education, thus emphasising strongly the less-represented program outcomes.

Skill development (including vocational education) is a major focus area of NEP 2020 implementation. Institute's curriculum has numerous skill development courses that provide learners with an experiential learning opportunity. A unique offering is a credit course - Innovative Product Development (IPD) which is pursued by learners progressively over semesters 3 to 6. Student groups are expected to think, discuss, brainstorm and evolve idea-solutions to real world problems. The idea-solutions, mentored by faculty members, evolve and progress from semester 3 to 6, giving an opportunity for the learner to experience and explore various technical aspects and technologies as well as enabling them to publish their works / findings upon recommendations from their mentors. IPD is hence, a unique credit-based activity offered by the institute, that brings to the fore and emphasises upon the experiential, project based learning outcomes.

20.Distance education/online education:

Since the year 2020, the institute has adopted Microsoft's MS Teams - an online classroom platform, that facilitates conduct of sessions in the online mode, as well as provides features similar to a learning management software. In the current blended mode of teaching and learning, the institute facilitates conduct of select courses in online mode, as and when needed.

Technology enriched teaching has always been the hallmark at DJSCE. The institute takes pride in the fact that since 2018, all the 36 classrooms in the campus have been equipped with 75" intelligent interactive display panels. Each panel essentially is a personal computer with a massive 75" super bright LED display, controlled by a 64-bit Intel processor and running conventional desktop based operating system. The display panel is fully touch-based allowing the teachers to explore all possibilities and functionalities seamlessly. Apart from huge resources and the array of support, the panel supports ethernet as well as wi-fi based connectivity allowing for all internet-based resources to be shared and screened conveniently and instantaneously. The top mount, high-resolution and wide-angle camera, make it very easy and convenient to conduct interactive online video sessions.

The institute has established SWAYAM-NPTEL local chapter since July 2016. The vibrant chapter and mentors facilitate students' and faculty members', active participation for courses under this platform. During the AY 2022-23, a total of 1171 candidates including faculty and students, enrolled in various courses. From the enrolled candidates, 135 successfully completed the course, of which 19 were course toppers.

In the AY 2019-20, the institute partnered with IBM Innovation Centre to provide specialization programs for students, in select areas, consisting of specially curated courses, amounting to 40 credits, over and above those of B.E / B Tech program. Following streams of technology specializations have been offered:

- Data Analytics
- Artificial Intelligence and Machine Learning
- Internet of Things

During the year 2022-23, 54 students enrolled for the IBM Advanced Technology Courses and all the students successfully completed the same.

In-line with NEP 2020 mandate and vision, institute's revised curriculum has provisioned for at-least two courses (3 credits each) at the final year of B Tech program, to be engaged purely in the online format, wherein students shall have the flexibility to choose from department recommended online courses offered by reputed platforms, like SWAYAM / NPTEL/ other Swayam portal.

Extended Profile

1.Programme						
1.1 Number of courses offered by the institution across all programs during the year		784				
<table><tr><td>File Description</td><td>Documents</td></tr><tr><td>Data Template</td><td>View File</td></tr></table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
2.Student						
2.1 Number of students during the year		3454				
<table><tr><td>File Description</td><td>Documents</td></tr><tr><td>Institutional Data in Prescribed Format</td><td>View File</td></tr></table>			File Description	Documents	Institutional Data in Prescribed Format	View File
File Description	Documents					
Institutional Data in Prescribed Format	View File					
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year		0				
<table><tr><td>File Description</td><td>Documents</td></tr><tr><td>Data Template</td><td>View File</td></tr></table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
2.3 Number of outgoing/ final year students during the year		723				
<table><tr><td>File Description</td><td>Documents</td></tr><tr><td>Data Template</td><td>View File</td></tr></table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
3.Academic						
3.1 Number of full time teachers during the year		177				
<table><tr><td>File Description</td><td>Documents</td></tr><tr><td>Data Template</td><td>View File</td></tr></table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
3.2		177				

Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1 Total number of Classrooms and Seminar halls	36
4.2 Total expenditure excluding salary during the year (INR in lakhs)	8957.64
4.3 Total number of computers on campus for academic purposes	951

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The institution has a well-structured curriculum delivery plan. Each program has a Board of Studies, comprising of the Head of the Department (HOD), faculty members, academic experts, industry experts, alumni and the Head of the Institution. This committee meets twice every academic year and provides suggestions for effective implementation of curriculum.

As an autonomous institution, DJSCE prepares its own academic calendar, which is made available on the college website at the beginning of the semester. The academic calendar is exhaustive, comprising of all the activities, such as commencement of the semester, term test, curricular/co-curricular, sports/cultural activities, improvement week at the end of the semester, commencement of oral/practical/theory examinations, etc. planned to be conducted throughout the semester. Every faculty member prepares a teaching plan, which includes topics and tentative dates to complete the syllabus. They also prepare course files including syllabus, notes, test/university question papers, answer keys, question banks and assignments.

Feedback from previous academic year is analyzed and weaknesses/strengths are discussed on one-to-one basis with HOD. Study materials are uploaded on MS-Team for student's access. Faculty members use various tools to deliver lectures. Subject teacher upgrades lab/tutorial manual based on feedback received from previous batches and advises given by auditors.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	NA

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Academic calendar, which is available on the college website is exhaustive, comprising of all the activities planned to be conducted throughout the semester. It includes details, such as dates of commencement of the semester, term test, various curricular/co-curricular, sports/cultural activities, improvement week at the end of semester, commencement of oral/practical examinations, theory examinations and public holidays, etc. /all the course instructors then prepare a teaching plan consisting of theory and practicals, which includes topics and tentative dates to complete those topics. The teaching plan used for practicals includes the list of experiments with dates to be performed during the semester. Internal Assessment (IA) is done as per the Academic Calendar.

Term work evaluation components include Lab work, where the evaluation is carried out weekly through lab performance and journal assessments, assignments and tutorials as per the schedule specified in the planner. Adherence to the academic calendar is noted by the HOD and also by the experts during the Academic Review Process. All activities are closely monitored and corrective actions, if any, are taken immediately.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	NA

1.1.3 - Teachers of the Institution participate in A. All of the above

following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.
Academic council/BoS of Affiliating University
Setting of question papers for UG/PG programs
Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
Assessment /evaluation process of the affiliating University

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

15

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

15

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

546

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Gender

Gender sensitization means the modification of behaviour and attitude through creation of awareness on gender equality without any discrimination. Our institute encourages both boys and girls to participate in various activities, and provides safety and security to everyone by planning and exhibiting various gender equality programs. The institute has a Woman Development Cell to promote and encourage female students and employees for their overall development through various programs.

Environment and Sustainability

Environmental awareness, urge for conservation of natural resources and sustainable lifestyles are inculcated in our students through Environmental Studies in sixth semester. Subjects, like "Environmental Engineering" and "Energy Audit and Management" contribute towards environment protection awareness. Student bodies like National Service Scheme regularly conduct "Nature Trails" and "Beach Clean Drives" etc., displaying their concern for sustainable lifestyle.

Human Values and Professional Ethics in Curriculum

In order to inculcate human values and professional ethics in our students, courses like "Universal Human Values", "Business Communication and Ethics", "Professional Ethics and CSR" are introduced in fourth, fifth & eighth semesters respectively. With this exposure, the student understands harmony in the individual, family, society, profession & nature through UHV. BCE & CSR develops professional ethics through group activities and live projects.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

53

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

2215

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students
Teachers
Employers
Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://djsce.ac.in/NAAC/NAAC/Criteria%201%2023/1.4.1_AK.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://djsce.ac.in/NAAC/NAAC/Criteria%201%2023/1.4.2_AK.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

1048

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

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

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

507

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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Weak students, scoring less than 40% marks, are identified through tests and quizzes. Faculty as mentors find the root cause of poor performance in academics and conduct extra lectures for the slow learners. Weak students are encouraged to participate in the events organized by the clubs. They are also placed under the observation of peer mentors in their class, who are advanced learners, so that peer-to-peer learning is encouraged. Soft skill sessions are conducted for students to improve their interpersonal skills and build self-confidence, especially for students from vernacular medium. The institute also has ensured that there is a dedicated counsellor for students, who may face psychological problems and need help.

Students in the department, who have scored above 80% in all the tests and who actively participates in co-curricular activities are classified as advanced learners by the course instructor/mentor. These students are encouraged to participate in inter-collegiate programming/ project/paper presentation contests and are motivated to take-up internships. Internship fairs & competitions are organised by the department and placement committees along with IEEE, CSI, ACM, ISME, IETE and RAS among many other student chapters and advanced learners are motivated to participate in these to

represent the college at various competitions. (200 words)

File Description	Documents
Paste link for additional information	https://djsce.ac.in/NAAC/NAAC/Criteria_23/2.2.1_slow_advanced_learners.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
3454	177

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Various student chapters mentored by faculty members in the institute are aimed at providing experiential & participative learning and all are encouraged to target various national/international competitions to enhance problem solving among the student groups. This addresses the 'theory-to-application' gap that majority of the institutes face. Student chapters, such as IEEE, IETE, CSI, ACM & S4DS ensure adeptness in the field of software computing & embedded systems, which target the Electronics and Computer applications. ISACA and CODESTARS hones students' coding skills to conquer competitions and secure placements in leading companies. DJINIT.AI, DJS buildspace and DJS GDSC empower students to stay abreast of cutting-edge technology and scientific advancements, fostering a learning environment applicable to real-world solutions. ISME, ISHRAE & SAE are completely focussed on manufacturing technologies, automotive & aero competitions with top accolades won in India & abroad. Focus on the Entrepreneurship & Incubation Centre of the college encourages students to pursue & accelerate the project-to-product mentality by extensively organising meetings, seminars/workshops by venture capitalists. A special emphasis is also placed on the NSS Chapter to act on socio-cultural issues for the overall upliftment of the society and to make students aware of the problems of the under-privileged. (197

words)

File Description	Documents
Upload any additional information	View File
Link for additional information	https://djsce.ac.in/NAAC/NAAC/Criteria%20%2023/2.3.1%20student%20centric%20methods%201.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

ICT (Information and Communication Technology) enablesthe use of innovative educational resources and the renewal of learning methods, establishing a more active collaboration of students and teachers to ease the acquisition of technological knowledge. All the classrooms are enabled with ICT tools, such as smart boards, projectors and wi-fi connection. Students have access to Student Portal, a learning management system (LMS), MS Teams and many more tools. Such tools are available to deliver interactive lectures to enhance learning.

Smart board helps the teacher to conduct and record lectures and provide lecture notes for students' reference. This is also supported with multimedia devices that offer the benefits of technology, convenience, easy maintenance and student interaction in one package.

Students can access information from Student Portal, a learning management system. Faculty can upload study materials, term work & term test marks and monitor the student's attendance through this portal. Students can also submit assignments, pay the fees and view their results on the portal.

During the COVID19 pandemic, Ms Teams App assisted the faculty and students to conduct lectures, submit assignments, share files and organise examinations online. Even student- mentor interactions were held online through MS Teams. (195 Words)

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

177

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

177

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

57

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1834

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The internal assessment framework encompasses mandatory tools, including term-test (twice in a semester) and practical sessions (as per laboratory teaching plan), along with optional elements, like assignments, quizzes, presentations and mini-projects. Faculty members craft the test question paper for their courses, adhering to department guidelines. The Program Assessment Committee oversees the quality of question papers, evaluating their alignment with Course Outcomes, utilization of Bloom's Taxonomy and the inclusion of innovative concepts. At both the institute and department levels, an exam committee is formed to oversee the comprehensive execution of internal assessment tests. Responsibilities of exam-team include preparing and displaying the timetable, planning seating arrangements, collecting final question papers and ensuring strict vigilance during examinations to prevent misconduct. Evaluation of assignment and mini-project follows established rubrics. After evaluation of test, papers are distributed to students for review, with adjustments made for any discrepancies. Internal assessment marks and term test answer books are shared with students well

before the Semester End Examinations. Continuous Assessment mark-lists, endorsed by faculty and Heads of Departments, are submitted to the exam section prior to the final semester end examinations. The communication of marks occurs through the MS Teams platform, ensuring an efficient and transparent process. (199 words)

File Description	Documents
Any additional information	View File
Link for additional information	https://www.djsce.ac.in/docs/exams/DJ%20-%20EXAM%20GUIDELINES%20(For%20Students)_Revised_with%20sign.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The process for redressal of grievances related to internal assessment marks is facilitated through the online Learner Portal. Upon the declaration of examination results for respective programs, the Examination Office informs all learners about their course-wise marks obtained in the internal assessment. Learners can access this information on the learner portal. If a learner is dissatisfied with the marks awarded in the continuous assessment for any course, they have the opportunity to apply for grievance redressal within three days from the date of marks declaration, including holidays.

The timeline for the key activities under the Grievance Redressal Mechanism is as follows:

- Activity: Application for change in marks
- Time Limit: Within 3 days from the date of marks declaration, including holidays

After the learner submits an application for change in marks, any adjustments or corrections are communicated to the learner applicant. The entire process of redressing the grievances is designed to be completed within a period of 20 working days from the last date of receiving the application for redressal of grievances. This ensures a prompt and efficient resolution of concerns regarding internal assessment marks, maintaining transparency and fairness in the evaluation process. (192 words)

File Description	Documents
Any additional information	View File
Link for additional information	https://www.djsce.ac.in/docs/exams/DJ%20-%20EXAM%20GUIDELINES%20(For%20Students)_Revised.pdf

2.6 - Student Performance and Learning Outcomes

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

The institute has a structured framework for outlining Program Outcomes (PO) common to all programs and Course Outcomes (CO) specified for each course across all programs. This framework ensures alignment between the broader goals of the programs and the specific objectives of individual courses. The Course Outcomes are intricately mapped with both the Program Outcomes and Program Specific Outcomes (PSO). The visibility and accessibility of these educational goals are paramount; thus, the Program Outcomes are prominently displayed on the college website, in classrooms, laboratories and even printed on the backside of students' files. To ensure clarity and engagement, the respective course faculty communicate the Course Outcomes to students at the outset of each course, facilitating a transparent understanding of the expected learning outcomes. Additionally, course statements are printed on the rubric sheet of each course, providing a structured framework for evaluating and measuring student performance against defined objectives. (148 words)

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.djsce.ac.in/docs/Academics/Course%20Outcome%20statements.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

For attainment of the Program Outcomes (PO) and Program Specific Outcomes (PSO), all Course Outcomes (CO) are mapped with PO and PSO. CO attainment values procured through internal assessment, ESE and

course exit are calculated by evaluating the attainment level.

Three attainment levels are set for each individual course based on end semester performance as well as internal assessment in the course for the past three years. The target for the attainment levels are set at level 2 corresponding to the middle level, for all the courses of current academic year. Wherever the targets are attained, for next academic year, higher level targets are set. Wherever highest level target is attained, for the next academic year, the attainment levels are redefined.

With the help of the assessment tools, the student's performance is evaluated for a particular assignment and their marks are then converted into the course attainment values.

With this CO attainment values, the weighted average method is used to calculate the PO & PSO values. (166 Words)

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	NA

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

725

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://www.djsce.ac.in/docs/Academics/DJ263AnnualReport.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may

design its own questionnaire) (results and details need to be provided as a weblink)

<https://djsce.ac.in/NAAC/NAAC/Criteria%20%2023/2.7%20Student%20Satisfaction%20Survey%20on%20Teaching%20Learning%20Process%20AY%202023-2024.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

22.121

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

15

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

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

3

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://tih.iitb.ac.in/tih-iot-chanakya-fellowship-program/

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The Institute has built an environment for innovation, establishment and transfer of knowledge by creating the IPR and Entrepreneurship Cell as well as multiple Ph.D. centres. The R&D ecosystem boasts of 3 research centres, 15 recognized research guides, 57 faculty members with PhD and 27 are currently following their research studies. University of Mumbai approved Ph.D. Programmes in Computer Engineering, Electronics and Telecommunication Engineering and Mechanical Engineering since 2014. Our students and staff published 98 journal papers and 102 conference papers and received research funding amounting to 22.12 lakhs for the academic year 2022-23.

Entrepreneurship Cell was established in 2012 with the aim to identify and nurture the latent entrepreneurial spirit of students and provide them with opportunities for excellence. Activities like, Entrepreneurship Summit, Business growth plan competitions, guest lectures, start-up meets, webinars and business quizzes are regularly organised.

Intellectual Property Rights (IPR) cell was established in 2014 with an objective to create awareness about the basics of patenting and copyright and how to safeguard their ideas and findings from infringement. One patent was granted, 7 patent applications were applied and 8 copyrights were registered in academic year 2022-23.

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

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

40

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

4

File Description	Documents
URL to the research page on HEI website	https://www.djsce.ac.in/research-policy
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

98

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

102

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

In its quest to constantly serve the society and the community at large, the National Service Scheme (NSS) chapter of Dwarkadas J. Sanghvi College of Engineering was set up with the motto "Education and Service to the community and by the community". The following activities were conducted by the NSS during the Academic Year 2022-2023 under the various heads.

1. Health and Sanitation:

- Swipe Right GenZ
- Stem Cell Donation Awareness Drive
- Way to Breathe
- Stop and Destress

2. Environment:

- "Maitree" 3.0- A Tree Plantation Drive
- Coastal Clean-up Drive
- Thinking Blue

- Tree Restoration Drive
- Beach Clean up

3. Cultural:

- Art of Living
- Abhaar 2022
- Youth Stand for Peace
- Gardi-Vardi - Management Drive

4. Education:

- NSDC
- Robotics Workshop "Touch Balgram"

5. Awareness:

- Har Ghar Tiranga Awareness Drive
- Jagrut Mumbaikar
- Voter I'd Registration
- Newspaper Collection

6. Donation:

- Annual Charity Drive
- Share to Care
- Blood Donation Drive

File Description	Documents
Paste link for additional information	https://djsce.ac.in/NAAC/NAAC/DJ%20NSS%20REPORTS.pdf
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

22

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

1530

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

486

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

61

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

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 equipment etc.

The institution has state of the art infrastructure with ICT enabled and well equipped airconditioned classrooms with smartboard as well as well-equipped laboratories, Central Library and departmental libraries. Campus is Wi-Fi enabled with sufficient bandwidth. The Conference Room and Seminar Halls are used for seminars, workshops, conference, symposiums etc. Institute has spacious and dedicated

laboratories for all the 12 UG and 3 PG programmes as well as Ph.D. programmes. Each laboratory is equipped with adequate number of latest desktops. Latest equipments, like Spectrum Analyzers, Logic Analyzer & Vector Network Analyzers and CNC Machines etc. are available for the conduct of regular practical sessions. The licensed application softwares, namely, Rational Rose, Autocad, Matlab, Ansys, Pro-E, HTRI, Oracle, Microwind and Xylinx etc. are installed in laboratories as per the requirement of various courses. Adequate lighting system is installed in the labs to keep them well illuminated. Adequate computing facility is provided in all the laboratories and systems. Physical and Virtual, VMware Enterprise 6 servers and Backup Devices exist at the Data Centre and there are more than 951 Desktop Computers & 16 Laptops in good working condition, all connected with high speed internet facility.

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

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

Institution has all the facilities useful for the overall development of each student and takes adequate care to encourage the students to grow up to their full physical and mental ability and their overall future betterment. Student life is the best time for the grooming and the institution gives the maximum facility for it. Students have different cultural committees as well as hobby clubs under one umbrella. They celebrate different cultural fests every year. There is mega cultural competition held by them every year, which is judged by the designated faculty members. The college also has an additional auditorium with light and sound arrangements on the ground floor of the college campus. College has a well-equipped Gymnasium on the first floor as well as Yoga centre on the fourth floor, with qualified trainers. Staff members learn and practice yoga during their leisure time. Indoor games facilities like carom, chess and table tennis etc. are available for the students. Students practice football, volley ball and Cricket on hired grounds surrounding the college. There are inter-college as well as intra-college competitions held every year by the college. There is also a playground as a common facility provided by the parent trust, SVKM.

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

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

36

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NA
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

458.83

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

Name of ILMS software

Nature of Automation (fully or partially)

Version

Year of Automation

LIBSYS

Fully

7

2010

KOHA

Fully

23.05.02

2017

The Library of Dwarkadas J. Sanghvi College of Engineering is named officially, as "Manubhai P. Sanghvi Knowledge Centre". It is facilitated with 24 hours Wi-Fi network connection. With the use of various advance tools, the library has transformed from a traditional library with manual transactions to an Electronic library and now is moving into being a Digital Library.

The library automation was initiated in the year 2000 with the installation of the in-house Library management software. Afterwords, the LIBSYS Integrated Library Management System was put into place in the year 2010. Presently, the KOHA Integrated Library Management System with 23.05.02 version is being used in the library. The fully computerized Library is a treasure house of knowledge comprising an ever growing collection of about 30,480 books and more than 2,23,000 e-books along with 754 e-journals. The web based access of all the subscribed e-resources is an important facility provided by the library. Users can also access the online public access catalogue (OPAC) to find out the real-time availability of all library materials from the comforts of their home.

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

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

30.09

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

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

48447

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

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Institution has an IT policy covering high speed Wi-Fi, Cyber security measures etc. and has allocated budget for updating its IT facilities in the premises on a regular basis. Institution provides the latest IT Facilities to its Employees and Students to ensure efficient and effective conduction of all academic and other related activities. DJSCE also provides well equipped labs with all relevant software and hardware requirements for the students from their curriculum and academics point of view. Any student or faculty member can access online databases from anywhere in the campus or out of the campus. The institute has total of 951 desktops, 16 Laptops, 19 printers, 53 switches, 39 Access points and 1 dedicated server available on campus. The institute also has 33 smart boards with wifi and 40 LCD projectors to ensure modern and efficient classroom teaching. All the above-mentioned components and peripherals are connected in a high-speed network with Wi-Fi and LAN networking having bandwidth availability of more than 2GBPS and are maintained & updated on a regular basis. The institute also has an effective FORTINET firewall in place to ensure data security and authentication. The entire DJSCE campus is under CCTV surveillance, consisting of several cameras.

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

4.3.2 - Number of Computers

951

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution **A. ? 50MBPS**

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

8957.64

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

1. All facilities are available to students and faculty members from 7.00 am to 6.00 pm.

2. Proper purchase procedure for laboratory equipments is followed by the parent body as per the requirement of the respective department.

3. Proper repair and maintenance procedure at institute level is in place.

4. Every 3 years, the equipment and computers are upgraded and updated with the latest software.

5. Library provides open access from 8.00 am to 6.30 pm. with a capacity of 180 students to sit and study inside the library. 26 desktop computers are there for digital library usage. Each student can issue 3 text books for 7 days and faculty members can borrow 20 books for 3 months.

6. Purchase of books is carried out every quarter. The online resources and journals are subscribed on yearly basis.

7. Boy's and girl's common room are available with indoor games facility. A well-equipped gymnasium is available for students and faculty members in the college premises.

8. Individual PCs are provided to each faculty member as well as staff members for academic and official work.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

778

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefitted by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution /

non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

25

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills
Language and communication skills Life skills
(Yoga, physical fitness, health and hygiene)
ICT/computing skills**

A. All of the above

File Description	Documents
Link to Institutional website	https://djsce.ac.in/NAAC/NAAC/Criteria%205%2023/5.1.3 CDSE Final.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

6047

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

6047

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

341

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

236

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

291

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one)

during the year

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

46

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

DJSCE as an institution, believes in creating a sustainable and holistic environment for students. Extra-curricular and co-curricular activities are organized throughout the year. The Student Council and the relevant committees are responsible for organizing Cultural, Technical, Sports, and Literary events under the umbrella of its annual festival "Trinity". Events like the Unveiling of the Mascot, D J Night, and Musical Concert are some of the highlights of the Annual College festivities. Student chapters are established by professional bodies such as ACM, CSI, IETE, IEEE, ISME, RAS, SAE, ISHRAE, PACEMAKERS, and IICHE. These bodies conduct several technical events like paper presentations, seminars, guest lectures, project competitions, and industrial visits for holistic education. Every department has an advisory board that consists of industry experts, faculty members, alumni, and student representatives. Every class has a representative to address academic grievances if any. A maintenance committee is in place to address the grievances of students related to facilities in the college. The college has an active NSS unit that contributes to societal welfare. The Alumni Association is in place to strengthen the relationship between the alumni and the institute and to enhance the long-term brand value of the institute through various collaborative means.

File Description	Documents
Paste link for additional information	https://djsce.ac.in/NAAC/NAAC/Criteria%205%2023/5.3.2_StudentCouncil.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

40

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

DJSCE alumni have made the institution proud at a global level, contributing significantly to the field of technology and the cause of education. DJSCE Alumni association was established in the year 2007. It serves as a forum to promote and foster a good relationship among Alumni, Students and Teachers, thereby enabling the institute to achieve its ambition of being a world-class institution for education, training and research in engineering. Alumni are connected to the institute via, alumni portal "<https://alumni.djsce.ac.in/>". There are 4330 registered members on the portal. Alumni are invited as members of the Department Advisory Board (DAB) and their suggestions on various departmental activities are considered valuable. The association conducts alumni meet every year to strengthen relations between alumni and institute. The alumni meet

of all the departments were conducted in the first quarter of 2023, virtually on MS Teams. During the meet, alumni discussed about career opportunities, changing trends in industry and start-ups. Due to the pandemic the students had not got the opportunity to meet the alumni in person, but the virtual meet was instrumental in providing the required guidance as they got an opportunity to spontaneously interact with the alumni.

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

5.4.2 - Alumni contribution during the year A. ? 5Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Fostering Sustainable Engineering Excellence

Established with a vision to become a world-class institution for education, training and research in engineering, DJSCE has diligently pursued its mission to nurture professionalism, entrepreneurship, technical competence and sustainable engineering solutions for the betterment of society.

Vision - "To be a world class institution for education, training and research in engineering by inculcating values and skills for sustainable development of the society."

- **World-Class Institution:** DJSCE, in its 28-year journey, has made a global impact, attracting renowned companies and celebrating alumni success at international platforms, like New York's Times Square.
- **Education and Research:** With 12 undergraduate programs, 3 postgraduate programs, and 3 Ph.D. programs, the college

emphasizes upon interactive learning, research aptitude, and environmental awareness among aspiring engineers.

Mission - "To provide competent faculty and an interactive learning environment along with world-class infrastructure for nurturing professionalism & entrepreneurship in Engineers."

- **Competent Faculty and Interactive Environment:** DJSCE boasts of distinguished faculty, state-of-the-art facilities and a nurturing academic environment that encourages professionalism, innovation and entrepreneurship among students.
- **Technical Competence and Environmental Awareness:** The Institutes focuses on technical competence, research acumen and environmental awareness and aligns with its commitment to sustainable engineering solutions, preparing students for societal challenges.

File Description	Documents
Paste link for additional information	https://www.djsce.ac.in/vision-mission
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Decentralization and Participative Management: Pillars of Effective Governance at DJSCE

DJSCE stands as a testament to effective leadership, manifested through decentralized structures and participative management practices. The institution's governance framework is underpinned by an extensive network of statutory and non-statutory committees, each playing a crucial role in decision-making and ensuring operational excellence.

Decentralization:

DJSCE's governance structure is characterized by decentralization, epitomized by a plethora of committees, each with a specific focus area. The Governing Body, Academic Council, Finance Committee and Board of Studies constitute the statutory committees, entrusted with critical strategic decisions and policy formulations. These committees decentralize decision-making, enabling a diverse range of

perspectives to shape the institution's trajectory.

Participative Management:

The institution's commitment to participative management is evident through an array of non-statutory committees, each fostering inclusivity and collaborative decision-making. Committees, such as the Planning and Evaluation Committee, Grievance Committee, Student Welfare Committee and Placement Committee actively engage stakeholders, including students, faculty and administrative staff in the decision-making processes.

Inclusive Governance:

The extensive committee structure at DJSCE covers a wide spectrum of functions, from academic planning and evaluation to student welfare, cultural & sports activities, anti-ragging initiatives and emergency response.

File Description	Documents
Paste link for additional information	https://www.djsce.ac.in/organization-governance
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic Development and Implementation at Dwarkadas J. Sanghvi College of Engineering

The journey towards excellence is meticulously guided by a well-defined and thoughtfully executed institutional strategic/perspective plan/Institutional Development Plan (IDP). This comprehensive plan serves as the cornerstone, directing the institution's growth, development and achievement of its envisioned goals.

Strategic Plan: A Clear Articulation

DJSCE's institutional strategic plan (IDP) is not just a document; it's a blueprint that vividly articulates the institution's vision, mission, values and strategic priorities. It intricately outlines short-term and long-term objectives aligned with the institution's

ethos, keeping sustainability, innovation and academic excellence at its core.

Implementation: Turning Vision into Reality

What sets DJSCE apart is its unwavering commitment to translating this strategic plan (IDP) into actionable initiatives. The institution has demonstrated an exceptional ability to execute this plan, ensuring that it permeates every facet of its operations. Each goal, objective and strategy outlined in the plan is diligently pursued and monitored for progress and impact.

Alignment and Deployment

The successful deployment of this strategic plan is evident in the institution's day-to-day functioning. Every decision, academic program, faculty hiring, infrastructure development and student engagement activity resonates with the overarching objectives outlined in the plan.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.djsce.ac.in/docs/Academics/Academic%20Calendars%20-%2022_23.pdf
Upload any additional information	View File

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

Efficiency and Efficacy in Administrative Setup: Shri Vile Parle Kelavani Mandal

Since its inception in 1934, Shri Vile Parle Kelavani Mandal (SVKM) has evolved into a formidable educational entity, reflecting an unwavering commitment to quality education and administrative excellence. The institution's administrative prowess is evident through its adherence to regulatory frameworks and the implementation of policies fostering a conducive environment for academic growth and professionalism.

Legal Compliance and Adherence to Statutory Norms

SVKM operates within the ambit of the Maharashtra Public Universities Act, 2016 and Maharashtra Civil Services Rules 1981, ensuring strict compliance with legal and administrative guidelines. The institution's alignment with the revised Maharashtra Public Universities Act 2016 signifies its adaptability to evolving regulatory frameworks, ensuring relevance and legality in all administrative proceedings.

Appointment Procedures and Governance Standards

The meticulous appointment procedures and adherence to service rules underscore the institution's commitment to transparency and fairness. Candidates appointed undergo a rigorous process, signing a joining letter that signifies their acceptance and compliance with the institute's rules and regulations. The regular update of Service Books and maintenance of soft copy records in Oracle, available for scrutiny during committee visits, signifies a commitment to maintaining accurate records and adhering to governance standards.

File Description	Documents
Paste link for additional information	NA
Link to Organogram of the institution webpage	https://www.djsce.ac.in/organization-governance
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Empowering Faculty: Welfare Measures at Dwarkadas J. Sanghvi College of Engineering

Dwarkadas J. Sanghvi College of Engineering (DJSCE) stands as a paragon of not only academic excellence, but also as an institution deeply invested in the welfare and empowerment of its faculty members and staff. The institution's commitment to their well-being is reflected in a comprehensive set of welfare measures and benefits aimed at providing financial security, career progression and support during critical times.

Monetary Relief and Retirement Benefits

Amidst the challenges posed by the COVID-19 pandemic, DJSCE's management ensured adequate relief for its faculty members and staff. A unique scheme was introduced to honour employees with over a decade of service upon superannuation, granting them a monthly pension. Faculty members receive Rs. 10,000/- per month, while Class I, II, and III employees receive Rs. 5,000/-, and Class IV employees receive Rs. 2,500/-. Moreover, in case of an ex-employee's demise within the specified period, half of the benefit is extended to his/her spouse, emphasizing on a compassionate approach to employee welfare.

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

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

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

File Description	Documents
Upload any additional information	View File
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 programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

4

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

242

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Performance Appraisal at DJSCE: Nurturing Excellence

Dwarkadas J. Sanghvi College of Engineering (DJSCE) champions a Performance Appraisal System that evaluates and enhances the capabilities of its teaching and non-teaching staff. This structured framework ensures fairness, transparency, and alignment with institutional goals.

Evaluation Criteria:

For teaching staff, the appraisal covers teaching methodologies, curriculum compliance, research contributions, MOOC courses and engagement in innovative teaching practices. Non-teaching staff are assessed on administrative efficiency, resource management, and support to academic functions.

Alignment with Objectives:

The appraisal system aligns individual performance with institutional objectives, ensuring that assessments contribute to the institution's mission and values.

Professional Development and Recognition:

Encouraging continuous growth, the system identifies areas for improvement and recognizes exceptional performance. Opportunities for skill enhancement and career progression are offered based on appraisal outcomes.

Cultivating Excellence:

DJSCE's Performance Appraisal System fosters a culture of continual improvement, shaping a workforce dedicated to maintaining high educational standards and institutional success.

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Financial Prudence and Audit Excellence: Cornerstones of Dwarkadas J. Sanghvi College of Engineering's Financial Management

At DJSCE, a culture of meticulous financial scrutiny and prudent resource mobilization stands as a testament to the institution's commitment to fiscal responsibility and transparency. Upholding the highest standards, the institution conducts regular internal and statutory audits, complying with stipulated provisions to ensure sound financial health.

Comprehensive Audits: Rigorous Financial Scrutiny

The institution adheres to the stipulated provisions of the Income Tax Act, conducting both internal and statutory audits on a regular basis. These audits encompass an extensive array of financial facets, including bookkeeping, capital expenditure, statutory compliance and accounting processes, ensuring a holistic evaluation of financial operations. Notably, the auditors meticulously scrutinize fee collections, salary disbursements, statutory compliances, asset purchases and expense calculations to ensure accuracy and compliance.

Systematic Approach and Effectiveness Enhancement

The audit processes at DJSCE contribute significantly to a systematic evaluation and augmentation of financial processes. Each financial year undergoes a thorough check and verification of transactions, thereby reinforcing the institution's commitment to precision and reliability in financial matters. The audits review and endorse information, ensuring compliance with established

policies and procedures.

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

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

47.84388

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Institutional Strategies: Efficient Fund Mobilization and Resource Allocation at DJSCE

Dwarkadas J. Sanghvi College of Engineering (DJSCE) operates under the auspices of SVKM, its Parent Trust, a non-profit Educational and Charitable Trust. Upholding a commitment to judicious resource management, the institution employs strategic planning, budgeting processes and careful allocation of funds to optimize its resources.

Annual Planning and Budgeting:

At the core of the institution's resource management strategy lies an elaborate Annual Planning and Budgeting process. This rigorous process ensures meticulous oversight of financial allocations, closely monitoring compliance and financial data submitted by various departments. The institution prioritizes transparency and accountability, closely aligning budgets with strategic goals.

Financial Self-Sufficiency and Fund Sources:

As a self-financed institute, DJSCE primarily relies on the collection of prescribed fees from enrolled students. These funds form the institution's primary revenue stream, with allocations made for crucial areas, such as faculty salaries, remuneration for visiting faculty and essential services like electricity, water, property taxes and insurance.

Strategic Fund Allocation:

Resource allocation is meticulously planned, directing funds towards critical areas. Enhancing library facilities through subscriptions to books and online journals is a priority, ensuring students and faculty members have access to the latest educational resources.

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Faculty Training: IQAC, DJSCE organized a one-week orientation program for newly joined faculty members in the various departments. The program aims to facilitate new faculty members adjustment to the college as well as equip them with essential information concerning key places, processes and people. It will also attune them to the college's vision, mission, and its relation to departmental goals and build enthusiasm for, and identification with the institution. Training helped establish the institutional expectations of faculty and related faculty roles and apprise the new faculty members of specific success strategies for meeting these expectations and performing these roles.

Industry Interaction and Collaboration: To bridge the gap between academia and industry, the institution has entered into a MoU with M/s Arihant Industrial Corporation Limited on 16th January 2023, with the purpose to provide consultancy of Industrial projects and information as well as to facilitate development of students under faculty members, towards Industry Readiness. Project duration was of three months and could be extended, if required. In all 06 projects

were assigned across 20 students from the Department of Mechanical Engineering and three project-wise faculty coordinators were allocated to facilitate the same. The total consultancy amount consisted of Rs 5 Lacs.

File Description	Documents
Paste link for additional information	https://djsce.ac.in/NAAC/NAAC/Criteria%206%2023/6.5.1%20Additional%20Information%20weblink.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Course Planning and Documentation: Each faculty member meticulously prepares the teaching plans at the start of every semester for the courses they are responsible for. This ensures a structured and organized approach to the course delivery. Another essential part of the academic quality assurance is the Course File (CF). It was mandated by the university of Mumbai to provide the information needed to ascertain the quality of courses. The course coordinator is responsible for filling out the CF. The schedule, course handouts, syllabus, attendance records broken down monthly basis, past years' exam questions, curriculum gaps, sample questions and assignment questions are the primary contents of the CF.

Curriculum Development: The institute maintains a proactive approach to curriculum development. Each academic program has a Board of Studies, featuring external academic and industry experts, faculty members, alumni and the Head of the department (HOD). The Functions include elaborate brainstorming initially and framing the contents of various courses, updating the content from time to time and introducing new courses of study etc. This collective effort also results in a comprehensive academic calendar, impact analysis and result analysis to continually refine and adapt the curriculum to meet current educational standards and industry expectations.

File Description	Documents
Paste link for additional information	https://djsce.ac.in/NAAC/NAAC/Criteria%206%2023/6.5.2%20Additional%20Information%20_Web1ink.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://djsce.ac.in/NAAC/NAAC/Criteria%206%2023/6.5.3_1_Annual%20Report_weblink%20need%20to%20be%20created.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	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

DJSCE takes consistent efforts to promote gender equity on the campus as follows:

1. Woman Development Cell -The institution's College Women Development Cell (CWDC) is established with the aim to implement the directives and to address the complaints/cases of sexual harassment in the institute. Women's Day was celebrated on 11th March 2023 to

encourage the women of our institute.

2. SHE-Codes: 16 girl students participated in the SHE-codes coding competition organized by Adobe Systems Pvt. Ltd. Dhruvi Jodhawat was offered internship at Adobe which was successfully completed by her.

3. Google Girl Hackathon: Our girl students got to explore their skills and talent in the Google Girl Hackathon in April 2023 and won the First prize.

4. Hormonal Imbalances: A session on 'Dealing with Hormonal Imbalances' was organized on 20th September 2023 to create awareness about the females' hormonal health.

5. Wealth Maximizing Tricks for women: A session on 'Wealth Maximizing Tricks' was organized on 18th March 2023 to familiarize women with ways for wealth creation through different investment tools.

6. No means...NO: A session on 'Prevention, Protection and Redressal of Sexual Harassment of Women at Workplace' was organized on 7th December 2023 to infuse confidence among our girl students.

File Description	Documents
Annual gender sensitization action plan	https://djsce.ac.in/NAAC/NAAC/Criteria%20%2023/7.1.1%20done.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://djsce.ac.in/NAAC/NAAC/Criteria%20%2023/7.1.1%202nd%20pdf%20for%20weblink.pdf

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

D. Any 1 of the above

File Description	Documents
Geo tagged 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 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

DJSCE takes initiatives towards achieving a full-fledged mechanism for waste disposal and sensitizes students and staff through the following practices:

1. Solid waste - Every floor, staffroom, classroom, and lab have a dustbin with separate partitions for wet waste and dry waste. Paper shredding is done periodically by the examination section for recycling purpose. DJSCE NSS students are also actively involved in beach cleanup drive every year. Newspaper collection drive is also organized periodically by students of DJSCE.

2. Liquid waste- Wastewater generated by washrooms, regular cleaning & mopping and canteen is properly managed.

3. E-Waste - E-waste is transferred for recycling to the local vendors annually. The NSS unit of DJSCE continuously takes efforts to create awareness about e-waste management through various activities like seminars and verbal campaigns.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	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 **B. Any 3 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

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

C. Any 2 of the above

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

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

7.1.6.1 - The institutional environment and energy initiatives 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	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards

C. Any 2 of the above

and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

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

The institute is recognized as a Gujarati linguistic minority college since 2007. Institue continuously takes initiatives to create an inclusive environment towards various diversities viz. socio-economic, OBC and J&K.

1. Youth Stand for Peace: DJNSS unit attended the Maha Satsang on 25th February 2023 organized by the Art of Living Foundation.

2. Stress Management: Another webinar on Stress Management was organized by DJNSS unit titled 'Stop and Destress' on 30th July 2022.

3. Share to Care: Our DJNSS unit organized a Collection Drive- 'Share to Care' from 13th to 21st October 2022 aimed to collect newspapers, e-waste and clothes to be donated to an NGO.

4. Charity Drive: The NSS unit of Dwarkadas J. Sanghvi College of Engineering organized an annual 'Charity Drive' in the college from 2nd to 9th December 2022.

5. Provision of Scholarships: DJSCE provides

scholarships/Freeship/concessions to economically backward students based on merit.

6. Numerous online expert sessions are organized by SVKM to provide an inclusive environment in the institute during the Academic Year 2022-23. Some of these events are "Discover One's Immense Possibilities", "How to Perform CPR to Deal with Sudden Cardiac Arrest", "Multi-culturalism in Improving Organizational Productivity" and "Healthy Kidneys for Happy Life".

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

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

DJSCE has always been proactive in organizing various events that make students aware of their duties and responsibilities as a responsible citizen of our country.

1. Tree Plantation Drive: A Tree Plantation Drive, Maitree, was organized on 28th August 2022 by DJNSS.

2. Management Drive: DJNSS organized the 'Gardi Vardi' management drive during Anant Chaturdashi to ensure a smooth and orderly Ganpati Visarjan at Juhu beach.

3. Jagrut Mumbaikar Program: DJNSS organized a seminar 'Jagrut Mumbaikar' drive September 13 to create awareness about safety concerns in the city. DJNSS also organized 'Abhar 2022', to show gratitude towards our Police Force on 24th December 2022.

4. Voter's Id Registration Drive: DJNSS volunteers organized a 'Voter's ID Registration Drive on 16th-17th February 2023 to encourage students to participate in elections.

5. Blood Donation Drive was organized in collaboration with the Mahatma Gandhi Memorial Blood Bank on March 20, 2023.

6. Beach Clean-up: DJNSS organized a Beach Clean-up drive on different beaches of the city. Also a seminar 'Thinking Blue' was

organized on 7th November 2022 to spread awareness about Marine pollution.

7. Suicide Prevention: A session on 'Suicide Prevention' was organized on 8th October 2022.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://djsce.ac.in/NAAC/NAAC/Criteria%20%2023/7.1.9%20done.pdf
Any other relevant information	NA

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 **B. Any 3 of the above**

4. Annual awareness programmes on Code of Conduct are organized

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 programs etc., in support of the claims	View File
Any other relevant information	View File

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

DJSCE always celebrates national and international commemorative days, events and festivals and encourages students' wholehearted participation in the same.

1. The NSS unit of D J Sanghvi College of Engineering celebrated Yoga Day on 21st June 2022, by organizing a webinar titled "Way to Breathe".
2. Dwarkadas J. Sanghvi College of Engineering celebrated the 75th Independence Day by organizing an awareness drive to support national drive 'Har Ghar Tiranga' on 14th August 2022.
3. Chatrapati Shivaji Maharaj Jayanti was celebrated on 10th March 2023 with full pomp and show in the institute.
4. Chair Yoga: Chair yoga session, i.e. Yoga for the workplace, was arranged for the faculty as well as students on 23rd June 2023 to commemorate the International Yoga Day.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

7.2 Best Practice I

Title of the Practice:

Continued engagement of faculty members on regular basis towards skill-set enrichment through Faculty Development Programs / Online Certification Courses.

Goal

To enhance the technical expertise of the faculty members and to equip them with cutting edge technologies in this technologically revolutionizing world, so as to pave the way for a world class Higher Educational Institute through:

- Regular faculty skillset enrichment through various programs, like pertinent FDPs, relevant webinars and expert sessions.

- Consistent Research & Development initiatives
- Enhanced E-library facility

Best Practice II

Title of the Practice:

Providing a comprehensive, multi-disciplinary & holistic education in engineering to equip the students with a diverse skill set for successful and accomplished professional careers.

Goal

- Enhancement of graduate employability skills through project based learning, focusing on research and innovation.
- Establish an ecosystem that enhances students' participation in various national and international competitive forums, that demonstrate the acquired skill sets.
- Implementation of Personal Development Plan (PDP) through soft skills training to accentuate multidisciplinary and holistic learning, as articulated in NEP-2020.

File Description	Documents
Best practices in the Institutional website	https://djsce.ac.in/NAAC/NAAC/Final%20Best%20Practice%20document.pdf
Any other relevant information	NA

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

DJSCE prioritizes holistic and multidisciplinary education as a key differentiator in today's dynamic world. The curriculum emphasizes experiential and collaborative learning through skill development courses, including the credit course, Innovative Product Development (IPD). DJS- STRIKE enhances IPD by fostering collaborative learning among students from different engineering years, facilitating peer learning with the output being exceptional performance in

national/international competitions.

Ahead of NEP 2020, DJSCE introduced Honors and Minors programs, offering insights into cutting-edge technologies. The institution focuses not only on technical competence, but also on creating socially responsible citizens through courses, like Indian Knowledge Tradition, CoI, UHV and Liberal Learning Courses.

DJSCE hosts a myriad of activities, coordinated by various student chapters and clubs, creating a professional environment for students to excel in their fields. These initiatives, aligned with industry standards, result in numerous students winning national and international competitions. The institution's commitment to a well-rounded education is evident in its promotion of traditional art forms and diverse student clubs, covering arts, literature, music, community service and entrepreneurship.

Ensuring 100% campus placement, DJSCE collaborates with various bodies to provide job-oriented training in emerging technologies. The institute consistently ranks amongst the top 100 institutes nationwide, reflecting its commitment to continued excellence.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The institution has a well-structured curriculum delivery plan. Each program has a Board of Studies, comprising of the Head of the Department (HOD), faculty members, academic experts, industry experts, alumni and the Head of the Institution. This committee meets twice every academic year and provides suggestions for effective implementation of curriculum.

As an autonomous institution, DJSCE prepares its own academic calendar, which is made available on the college website at the beginning of the semester. The academic calendar is exhaustive, comprising of all the activities, such as commencement of the semester, term test, curricular/co-curricular, sports/cultural activities, improvement week at the end of the semester, commencement of oral/practical/theory examinations, etc. planned to be conducted throughout the semester. Every faculty member prepares a teaching plan, which includes topics and tentative dates to complete the syllabus. They also prepare course files including syllabus, notes, test/university question papers, answer keys, question banks and assignments.

Feedback from previous academic year is analyzed and weaknesses/strengths are discussed on one-to-one basis with HOD. Study materials are uploaded on MS-Team for student's access. Faculty members use various tools to deliver lectures. Subject teacher upgrades lab/tutorial manual based on feedback received from previous batches and advises given by auditors.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	NA

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Academic calendar, which is available on the college website is

exhaustive, comprising of all the activities planned to be conducted throughout the semester. It includes details, such as dates of commencement of the semester, term test, various curricular/co-curricular, sports/cultural activities, improvement week at the end of semester, commencement of oral/practical examinations, theory examinations and public holidays, etc. /all the course instructors then prepare a teaching plan consisting of theory and practicals, which includes topics and tentative dates to complete those topics. The teaching plan used for practicals includes the list of experiments with dates to be performed during the semester. Internal Assessment (IA) is done as per the Academic Calendar.

Term work evaluation components include Lab work, where the evaluation is carried out weekly through lab performance and journal assessments, assignments and tutorials as per the schedule specified in the planner. Adherence to the academic calendar is noted by the HOD and also by the experts during the Academic Review Process. All activities are closely monitored and corrective actions, if any, are taken immediately.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	NA

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

15

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

15

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

546

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Gender

Gender sensitization means the modification of behaviour and attitude through creation of awareness on gender equality without any discrimination. Our institute encourages both boys and girls to participate in various activities, and provides safety and security to everyone by planning and exhibiting various gender equality programs. The institute has a Woman Development Cell to promote and encourage female students and employees for their overall development through various programs.

Environment and Sustainability

Environmental awareness, urge for conservation of natural resources and sustainable lifestyles are inculcated in our students through Environmental Studies in sixth semester. Subjects, like "Environmental Engineering" and "Energy Audit and Management" contribute towards environment protection awareness. Student bodies like National Service Scheme regularly conduct "Nature Trails" and "Beach Clean Drives" etc., displaying their concern for sustainable lifestyle.

Human Values and Professional Ethics in Curriculum

In order to inculcate human values and professional ethics in our students, courses like "Universal Human Values", "Business Communication and Ethics", "Professional Ethics and CSR" are introduced in fourth, fifth & eighth semesters respectively. With this exposure, the student understands harmony in the individual, family, society, profession & nature through UHV. BCE & CSR develops professional ethics through group activities and live projects.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

53

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

2215

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution	A. All of the above
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from the following stakeholders Students
Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	https://djsce.ac.in/NAAC/NAAC/Criteria%201%2023/1.4.1 AK.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://djsce.ac.in/NAAC/NAAC/Criteria%201%2023/1.4.2 AK.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

1048

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

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

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

507

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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Weak students, scoring less than 40% marks, are identified through tests and quizzes. Faculty as mentors find the root cause of poor performance in academics and conduct extra lectures for the slow learners. Weak students are encouraged to participate in the events organized by the clubs. They are also placed under the observation of peer mentors in their class, who are advanced learners, so that peer-to-peer learning is encouraged. Soft skill sessions are conducted for students to improve their interpersonal skills and build self-confidence, especially for students from vernacular medium. The institute also has ensured that there is a dedicated counsellor for students, who may face psychological problems and need help.

Students in the department, who have scored above 80% in all the tests and who actively participates in co-curricular activities are classified as advanced learners by the course instructor/mentor. These students are encouraged to participate in inter-collegiate programming/ project/paper presentation contests and are motivated to take-up internships. Internship fairs & competitions are organised by the department and placement committees along with IEEE, CSI, ACM, ISME, IETE and RAS among many other student chapters and advanced learners are motivated to participate in these to represent the college at various competitions. (200 words)

File Description	Documents
Paste link for additional information	https://djsce.ac.in/NAAC/NAAC/Criteria_23/2.2.1_slow_advanced_learners.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
3454	177

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Various student chapters mentored by faculty members in the institute are aimed at providing experiential & participative learning and all are encouraged to target various national/international competitions to enhance problem solving among the student groups. This addresses the 'theory-to-application' gap that majority of the institutes face. Student chapters, such as IEEE, IETE, CSI, ACM & S4DS ensure adeptness in the field of software computing & embedded systems, which target the Electronics and Computer applications. ISACA and CODESTARS hones students' coding skills to conquer competitions and secure placements in leading companies. DJINIT.AI, DJS buildspace and DJS GDSC empower students to stay abreast of cutting-edge technology and scientific advancements, fostering a learning environment applicable to real-world solutions. ISME, ISHRAE & SAE are completely focussed on manufacturing technologies, automotive & aero competitions with top accolades won in India & abroad. Focus on the Entrepreneurship & Incubation Centre of the college encourages students to pursue & accelerate the project-to-product mentality by extensively organising meetings, seminars/workshops by venture capitalists. A special emphasis is also placed on the NSS Chapter to act on socio-cultural issues for the overall upliftment of the society and to make students aware of the problems of the under-privileged. (197 words)

File Description	Documents
Upload any additional information	View File
Link for additional information	https://djsce.ac.in/NAAC/NAAC/Criteria%20%2023/2.3.1%20student%20centric%20methods%201.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description

in maximum of 200 words

ICT (Information and Communication Technology) enablesthe use of innovative educational resources and the renewal of learning methods, establishing a more active collaboration of students and teachers to ease the acquisition of technological knowledge. All the classrooms are enabled with ICT tools, such as smart boards, projectors and wi-fi connection. Students have access to Student Portal, a learning management system (LMS), MS Teams and many more tools. Such tools are available to deliver interactive lectures to enhance learning.

Smart board helps the teacher to conduct and record lectures and provide lecture notes for students' reference. This is also supported with multimedia devices that offer the benefits of technology, convenience, easy maintenance and student interaction in one package.

Students can access information from Student Portal, a learning management system. Faculty can upload study materials, term work & term test marks and monitor the student's attendance through this portal. Students can also submit assignments, pay the fees and view their results on the portal.

During the COVID19 pandemic, Ms Teams App assisted the faculty and students to conduct lectures, submit assignments, share files and organise examinations online. Even student- mentor interactions were held online through MS Teams. (195 Words)

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

177

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

177

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

57

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1834

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The internal assessment framework encompasses mandatory tools, including term-test (twice in a semester) and practical sessions (as per laboratory teaching plan), along with optional elements, like assignments, quizzes, presentations and mini-projects. Faculty members craft the test question paper for their courses, adhering to department guidelines. The Program Assessment Committee oversees the quality of question papers, evaluating their alignment with Course Outcomes, utilization of Bloom's Taxonomy and the inclusion of innovative concepts. At both the institute and department levels, an exam committee is formed to oversee the comprehensive execution of internal assessment tests. Responsibilities of exam-team include preparing and displaying the timetable, planning seating arrangements, collecting final question papers and ensuring strict vigilance during examinations to prevent misconduct. Evaluation of assignment and mini-project follows established rubrics. After evaluation of test, papers are distributed to students for review, with adjustments made for any discrepancies. Internal assessment marks and term test answer books are shared with students well before the Semester End Examinations. Continuous Assessment mark-lists, endorsed by faculty and Heads of Departments, are submitted to the exam section prior to the final semester end examinations. The communication of marks occurs through the MS Teams platform, ensuring an efficient and transparent process. (199 words)

File Description	Documents
Any additional information	View File
Link for additional information	https://www.djsce.ac.in/docs/exams/DJ%20-%20EXAM%20GUIDELINES%20(For%20Students) Revised with%20sign.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The process for redressal of grievances related to internal assessment marks is facilitated through the online Learner Portal. Upon the declaration of examination results for respective programs, the Examination Office informs all learners about their course-wise marks obtained in the internal assessment. Learners can access this information on the learner portal. If a learner is dissatisfied with the marks awarded in the continuous assessment for any course, they have the opportunity to apply for grievance redressal within three days from the date of marks declaration, including holidays.

The timeline for the key activities under the Grievance Redressal Mechanism is as follows:

- Activity: Application for change in marks
- Time Limit: Within 3 days from the date of marks declaration, including holidays

After the learner submits an application for change in marks, any adjustments or corrections are communicated to the learner applicant. The entire process of redressing the grievances is designed to be completed within a period of 20 working days from the last date of receiving the application for redressal of grievances. This ensures a prompt and efficient resolution of concerns regarding internal assessment marks, maintaining transparency and fairness in the evaluation process. (192 words)

File Description	Documents
Any additional information	View File
Link for additional information	https://www.djsce.ac.in/docs/exams/DJ%20-%20EXAM%20GUIDELINES%20(For%20Students) Revised.pdf

2.6 - Student Performance and Learning Outcomes

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

The institute has a structured framework for outlining Program Outcomes (PO) common to all programs and Course Outcomes (CO) specified for each course across all programs. This framework ensures alignment between the broader goals of the programs and the specific objectives of individual courses. The Course Outcomes are intricately mapped with both the Program Outcomes and Program Specific Outcomes (PSO). The visibility and accessibility of these educational goals are paramount; thus, the Program Outcomes are prominently displayed on the college website, in classrooms, laboratories and even printed on the backside of students' files. To ensure clarity and engagement, the respective course faculty communicate the Course Outcomes to students at the outset of each course, facilitating a transparent understanding of the expected learning outcomes. Additionally, course statements are printed on the rubric sheet of each course, providing a structured framework for evaluating and measuring student performance against defined objectives. (148 words)

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.djsce.ac.in/docs/Academics/Course%20Outcome%20statements.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

For attainment of the Program Outcomes (PO) and Program Specific Outcomes (PSO), all Course Outcomes (CO) are mapped with PO and PSO. CO attainment values procured through internal assessment, ESE and course exit are calculated by evaluating the attainment level.

Three attainment levels are set for each individual course based on end semester performance as well as internal assessment in the course for the past three years. The target for the attainment levels are set at level 2 corresponding to the middle level, for all the courses of current academic year. Wherever the targets

are attained, for next academic year, higher level targets are set. Wherever highest level target is attained, for the next academic year, the attainment levels are redefined.

With the help of the assessment tools, the student's performance is evaluated for a particular assignment and their marks are then converted into the course attainment values.

With this CO attainment values, the weighted average method is used to calculate the PO & PSO values. (166 Words)

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	NA

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

725

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://www.djsce.ac.in/docs/Academics/DJ263AnnualReport.pdf

2.7 - Student Satisfaction Survey

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

<https://djsce.ac.in/NAAC/NAAC/Criteria%20%2023/2.7%20Student%20Satisfaction%20Survey%20on%20Teaching%20Learning%20Process%20AY%202023-2024.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

22.121

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

15

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

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

3

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://tih.iitb.ac.in/tih-iot-chanakya-fellowship-program/

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The Institute has built an environment for innovation, establishment and transfer of knowledge by creating the IPR and Entrepreneurship Cell as well as multiple Ph.D. centres. The R&D ecosystem boasts of 3 research centres, 15 recognized research guides, 57 faculty members with PhD and 27 are currently following their research studies. University of Mumbai approved Ph.D. Programmes in Computer Engineering, Electronics and Telecommunication Engineering and Mechanical Engineering since 2014. Our students and staff published 98 journal papers and 102 conference papers and received research funding amounting to 22.12 lakhs for the academic year 2022-23.

Entrepreneurship Cell was established in 2012 with the aim to identify and nurture the latent entrepreneurial spirit of students and provide them with opportunities for excellence. Activities like, Entrepreneurship Summit, Business growth plan competitions, guest lectures, start-up meets, webinars and business quizzes are regularly organised.

Intellectual Property Rights (IPR) cell was established in 2014 with an objective to create awareness about the basics of patenting and copyright and how to safeguard their ideas and findings from infringement. One patent was granted, 7 patent applications were applied and 8 copyrights were registered in academic year 2022-23.

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

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

40

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

4

File Description	Documents
URL to the research page on HEI website	https://www.djsce.ac.in/research-policy
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

98

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

102

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

In its quest to constantly serve the society and the community at large, the National Service Scheme (NSS) chapter of Dwarkadas J. Sanghvi College of Engineering was set up with the motto "Education and Service to the community and by the community". The following activities were conducted by the NSS during the Academic Year 2022-2023 under the various heads.

1. Health and Sanitation:

- Swipe Right GenZ
- Stem Cell Donation Awareness Drive
- Way to Breathe
- Stop and Destress

2. Environment:

- "Maitree" 3.0- A Tree Plantation Drive
- Coastal Clean-up Drive
- Thinking Blue

- Tree Restoration Drive
- Beach Clean up

3. Cultural:

- Art of Living
- Abhaar 2022
- Youth Stand for Peace
- Gardi-Vardi - Management Drive

4. Education:

- NSDC
- Robotics Workshop "Touch Balgram"

5. Awareness:

- Har Ghar Tiranga Awareness Drive
- Jagrut Mumbaikar
- Voter I'd Registration
- Newspaper Collection

6. Donation:

- Annual Charity Drive
- Share to Care
- Blood Donation Drive

File Description	Documents
Paste link for additional information	https://djsce.ac.in/NAAC/NAAC/DJ%20NSS%20REPORTS.pdf
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

62

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

22

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

1530

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

486

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

61

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

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 equipment etc.

The institution has state of the art infrastructure with ICT enabled and well equipped airconditioned classrooms with smartboard as well as well-equipped laboratories, Central Library

and departmental libraries. Campus is Wi-Fi enabled with sufficient bandwidth. The Conference Room and Seminar Halls are used for seminars, workshops, conference, symposiums etc. Institute has spacious and dedicated laboratories for all the 12 UG and 3 PG programmes as well as Ph.D. programmes. Each laboratory is equipped with adequate number of latest desktops. Latest equipments, like Spectrum Analyzers, Logic Analyzer & Vector Network Analyzers and CNC Machines etc. are available for the conduct of regular practical sessions. The licensed application softwares, namely, Rational Rose, Autocad, Matlab, Ansys, Pro-E, HTRI, Oracle, Microwind and Xylinx etc. are installed in laboratories as per the requirement of various courses. Adequate lighting system is installed in the labs to keep them well illuminated. Adequate computing facility is provided in all the laboratories and systems. Physical and Virtual, VMware Enterprise 6 servers and Backup Devices exist at the Data Centre and there are more than 951 Desktop Computers & 16 Laptops in good working condition, all connected with high speed internet facility.

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

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

Institution has all the facilities useful for the overall development of each student and takes adequate care to encourage the students to grow up to their full physical and mental ability and their overall future betterment. Student life is the best time for the grooming and the institution gives the maximum facility for it. Students have different cultural committees as well as hobby clubs under one umbrella. They celebrate different cultural fests every year. There is mega cultural competition held by them every year, which is judged by the designated faculty members. The college also has an additional auditorium with light and sound arrangements on the ground floor of the college campus. College has a well-equipped Gymnasium on the first floor as well as Yoga centre on the fourth floor, with qualified trainers. Staff members learn and practice yoga during their leisure time. Indoor games facilities like carom, chess and table tennis etc. are available for the students. Students

practice football, volley ball and Cricket on hired grounds surrounding the college. There are inter-college as well as intra-college competitions held every year by the college. There is also a playground as a common facility provided by the parent trust, SVKM.

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

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

36

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NA
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

458.83

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

Name of ILMS software

Nature of Automation (fully or partially)

Version

Year of Automation

LIBSYS

Fully

7

2010

KOHA

Fully

23.05.02

2017

The Library of Dwarkadas J. Sanghvi College of Engineering is named officially, as "Manubhai P. Sanghvi Knowledge Centre". It is facilitated with 24 hours Wi-Fi network connection. With the use of various advance tools, the library has transformed from a traditional library with manual transactions to an Electronic library and now is moving into being a Digital Library.

The library automation was initiated in the year 2000 with the installation of the in-house Library management software. Afterwords, the LIBSYS Integrated Library Management System was put into place in the year 2010. Presently, the KOHA Integrated Library Management System with 23.05.02 version is being used in the library. The fully computerized Library is a treasure house of knowledge comprising an ever growing collection of about 30,480 books and more than 2,23,000 e-books along with 754 e-journals. The web based access of all the subscribed e-resources is an important facility provided by the library. Users can also access the online public access catalogue (OPAC) to find out the

real-time availability of all library materials from the comforts of their home.

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

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

30.09

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

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

48447

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

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Institution has an IT policy covering high speed Wi-Fi, Cyber security measures etc. and has allocated budget for updating its IT facilities in the premises on a regular basis. Institution provides the latest IT Facilities to its Employees and Students to ensure efficient and effective conduction of all academic and other related activities. DJSCE also provides well equipped labs with all relevant software and hardware requirements for the students from their curriculum and academics point of view. Any student or faculty member can access online databases from anywhere in the campus or out of the campus. The institute has total of 951 desktops, 16 Laptops, 19 printers, 53 switches, 39 Access points and 1 dedicated server available on campus. The institute also has 33 smart boards with wifi and 40 LCD projectors to ensure modern and efficient classroom teaching. All the above-mentioned components and peripherals are connected in a high-speed network with Wi-Fi and LAN networking having bandwidth availability of more than 2GBPS and are maintained & updated on a regular basis. The institute also has an effective FORTINET firewall in place to ensure data security and authentication. The entire DJSCE campus is under CCTV surveillance, consisting of several cameras.

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

4.3.2 - Number of Computers

951

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

8957.64

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

1. All facilities are available to students and faculty members from 7.00 am to 6.00 pm.

2. Proper purchase procedure for laboratory equipments is followed by the parent body as per the requirement of the respective department.

3. Proper repair and maintenance procedure at institute level is in place.
4. Every 3 years, the equipment and computers are upgraded and updated with the latest software.
5. Library provides open access from 8.00 am to 6.30 pm. with a capacity of 180 students to sit and study inside the library. 26 desktop computers are there for digital library usage. Each student can issue 3 text books for 7 days and faculty members can borrow 20 books for 3 months.
6. Purchase of books is carried out every quarter. The online resources and journals are subscribed on yearly basis.
7. Boy's and girl's common room are available with indoor games facility. A well-equipped gymnasium is available for students and faculty members in the college premises.
8. Individual PCs are provided to each faculty member as well as staff members for academic and official work.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

778

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

25

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://djsce.ac.in/NAAC/NAAC/Criteria%205%2023/5.1.3 CDSE Final.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

6047

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

6047

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

341

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

236

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

291

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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

46

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

DJSCE as an institution, believes in creating a sustainable and holistic environment for students. Extra-curricular and co-curricular activities are organized throughout the year. The Student Council and the relevant committees are responsible for organizing Cultural, Technical, Sports, and Literary events under the umbrella of its annual festival "Trinity". Events like the Unveiling of the Mascot, D J Night, and Musical Concert are some of the highlights of the Annual College festivities. Student chapters are established by professional bodies such as ACM, CSI, IETE, IEEE, ISME, RAS, SAE, ISHRAE, PACEMAKERS, and IICHE. These bodies conduct several technical events like paper presentations, seminars, guest lectures, project competitions, and industrial visits for holistic education. Every department has an advisory board that consists of industry experts, faculty members, alumni, and student representatives. Every class has a representative to address academic grievances if any. A maintenance committee is in place to address the grievances of students related to facilities in the college. The college has an active NSS unit that contributes to societal welfare. The Alumni Association is in place to strengthen the relationship between the alumni and the institute and to enhance the long-term brand value of the

institute through various collaborative means.

File Description	Documents
Paste link for additional information	https://djsce.ac.in/NAAC/NAAC/Criteria%205%2023/5.3.2_StudentCouncil.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

40

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

DJSCE alumni have made the institution proud at a global level, contributing significantly to the field of technology and the cause of education. DJSCE Alumni association was established in the year 2007. It serves as a forum to promote and foster a good relationship among Alumni, Students and Teachers, thereby enabling the institute to achieve its ambition of being a world-class institution for education, training and research in engineering. Alumni are connected to the institute via, alumni portal "<https://alumni.djsce.ac.in/>". There are 4330 registered members on the portal. Alumni are invited as members of the Department Advisory Board (DAB) and their suggestions on various departmental activities are considered valuable. The association

conducts alumni meet every year to strengthen relations between alumni and institute. The alumni meet of all the departments were conducted in the first quarter of 2023, virtually on MS Teams. During the meet, alumni discussed about career opportunities, changing trends in industry and start-ups. Due to the pandemic the students had not got the opportunity to meet the alumni in person, but the virtual meet was instrumental in providing the required guidance as they got an opportunity to spontaneously interact with the alumni.

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

5.4.2 - Alumni contribution during the year (INR in Lakhs)

A. ? 5Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Fostering Sustainable Engineering Excellence

Established with a vision to become a world-class institution for education, training and research in engineering, DJSCE has diligently pursued its mission to nurture professionalism, entrepreneurship, technical competence and sustainable engineering solutions for the betterment of society.

Vision - "To be a world class institution for education, training and research in engineering by inculcating values and skills for sustainable development of the society."

- **World-Class Institution:** DJSCE, in its 28-year journey, has made a global impact, attracting renowned companies and celebrating alumni success at international platforms, like New York's Times Square.

- **Education and Research:** With 12 undergraduate programs, 3 postgraduate programs, and 3 Ph.D. programs, the college emphasizes upon interactive learning, research aptitude, and environmental awareness among aspiring engineers.

Mission - "To provide competent faculty and an interactive learning environment along with world-class infrastructure for nurturing professionalism & entrepreneurship in Engineers."

- **Competent Faculty and Interactive Environment:** DJSCE boasts of distinguished faculty, state-of-the-art facilities and a nurturing academic environment that encourages professionalism, innovation and entrepreneurship among students.
- **Technical Competence and Environmental Awareness:** The Institutes focuses on technical competence, research acumen and environmental awareness and aligns with its commitment to sustainable engineering solutions, preparing students for societal challenges.

File Description	Documents
Paste link for additional information	https://www.djsce.ac.in/vision-mission
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Decentralization and Participative Management: Pillars of Effective Governance at DJSCE

DJSCE stands as a testament to effective leadership, manifested through decentralized structures and participative management practices. The institution's governance framework is underpinned by an extensive network of statutory and non-statutory committees, each playing a crucial role in decision-making and ensuring operational excellence.

Decentralization:

DJSCE's governance structure is characterized by decentralization, epitomized by a plethora of committees, each with a specific focus area. The Governing Body, Academic Council, Finance Committee and Board of Studies constitute the statutory

committees, entrusted with critical strategic decisions and policy formulations. These committees decentralize decision-making, enabling a diverse range of perspectives to shape the institution's trajectory.

Participative Management:

The institution's commitment to participative management is evident through an array of non-statutory committees, each fostering inclusivity and collaborative decision-making. Committees, such as the Planning and Evaluation Committee, Grievance Committee, Student Welfare Committee and Placement Committee actively engage stakeholders, including students, faculty and administrative staff in the decision-making processes.

Inclusive Governance:

The extensive committee structure at DJSCE covers a wide spectrum of functions, from academic planning and evaluation to student welfare, cultural & sports activities, anti-ragging initiatives and emergency response.

File Description	Documents
Paste link for additional information	https://www.djsce.ac.in/organization-governance
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic Development and Implementation at Dwarkadas J. Sanghvi College of Engineering

The journey towards excellence is meticulously guided by a well-defined and thoughtfully executed institutional strategic/perspective plan/Institutional Development Plan (IDP). This comprehensive plan serves as the cornerstone, directing the institution's growth, development and achievement of its envisioned goals.

Strategic Plan: A Clear Articulation

DJSCE's institutional strategic plan (IDP) is not just a document; it's a blueprint that vividly articulates the institution's vision, mission, values and strategic priorities. It intricately outlines short-term and long-term objectives aligned with the institution's ethos, keeping sustainability, innovation and academic excellence at its core.

Implementation: Turning Vision into Reality

What sets DJSCE apart is its unwavering commitment to translating this strategic plan (IDP) into actionable initiatives. The institution has demonstrated an exceptional ability to execute this plan, ensuring that it permeates every facet of its operations. Each goal, objective and strategy outlined in the plan is diligently pursued and monitored for progress and impact.

Alignment and Deployment

The successful deployment of this strategic plan is evident in the institution's day-to-day functioning. Every decision, academic program, faculty hiring, infrastructure development and student engagement activity resonates with the overarching objectives outlined in the plan.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.djsce.ac.in/docs/Academics/Academic%20Calendars%20-%2022_23.pdf
Upload any additional information	View File

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

Efficiency and Efficacy in Administrative Setup: Shri Vile Parle Kelavani Mandal

Since its inception in 1934, Shri Vile Parle Kelavani Mandal (SVKM) has evolved into a formidable educational entity, reflecting an unwavering commitment to quality education and administrative excellence. The institution's administrative prowess is evident through its adherence to regulatory frameworks

and the implementation of policies fostering a conducive environment for academic growth and professionalism.

Legal Compliance and Adherence to Statutory Norms

SVKM operates within the ambit of the Maharashtra Public Universities Act, 2016 and Maharashtra Civil Services Rules 1981, ensuring strict compliance with legal and administrative guidelines. The institution's alignment with the revised Maharashtra Public Universities Act 2016 signifies its adaptability to evolving regulatory frameworks, ensuring relevance and legality in all administrative proceedings.

Appointment Procedures and Governance Standards

The meticulous appointment procedures and adherence to service rules underscore the institution's commitment to transparency and fairness. Candidates appointed undergo a rigorous process, signing a joining letter that signifies their acceptance and compliance with the institute's rules and regulations. The regular update of Service Books and maintenance of soft copy records in Oracle, available for scrutiny during committee visits, signifies a commitment to maintaining accurate records and adhering to governance standards.

File Description	Documents
Paste link for additional information	NA
Link to Organogram of the institution webpage	https://www.djsce.ac.in/organization-governance
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Empowering Faculty: Welfare Measures at Dwarkadas J. Sanghvi College of Engineering

Dwarkadas J. Sanghvi College of Engineering (DJSCE) stands as a paragon of not only academic excellence, but also as an institution deeply invested in the welfare and empowerment of its faculty members and staff. The institution's commitment to their well-being is reflected in a comprehensive set of welfare measures and benefits aimed at providing financial security, career progression and support during critical times.

Monetary Relief and Retirement Benefits

Amidst the challenges posed by the COVID-19 pandemic, DJSCE's management ensured adequate relief for its faculty members and staff. A unique scheme was introduced to honour employees with over a decade of service upon superannuation, granting them a monthly pension. Faculty members receive Rs. 10,000/- per month, while Class I, II, and III employees receive Rs. 5,000/-, and Class IV employees receive Rs. 2,500/-. Moreover, in case of an ex-employee's demise within the specified period, half of the benefit is extended to his/her spouse, emphasizing on a compassionate approach to employee welfare.

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

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

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

13

File Description	Documents
Upload any additional information	View File
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 programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

4

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

242

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Performance Appraisal at DJSCE: Nurturing Excellence

Dwarkadas J. Sanghvi College of Engineering (DJSCE) champions a Performance Appraisal System that evaluates and enhances the

capabilities of its teaching and non-teaching staff. This structured framework ensures fairness, transparency, and alignment with institutional goals.

Evaluation Criteria:

For teaching staff, the appraisal covers teaching methodologies, curriculum compliance, research contributions, MOOC courses and engagement in innovative teaching practices. Non-teaching staff are assessed on administrative efficiency, resource management, and support to academic functions.

Alignment with Objectives:

The appraisal system aligns individual performance with institutional objectives, ensuring that assessments contribute to the institution's mission and values.

Professional Development and Recognition:

Encouraging continuous growth, the system identifies areas for improvement and recognizes exceptional performance. Opportunities for skill enhancement and career progression are offered based on appraisal outcomes.

Cultivating Excellence:

DJSCE's Performance Appraisal System fosters a culture of continual improvement, shaping a workforce dedicated to maintaining high educational standards and institutional success.

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Financial Prudence and Audit Excellence: Cornerstones of Dwarkadas J. Sanghvi College of Engineering's Financial Management

At DJSCE, a culture of meticulous financial scrutiny and prudent resource mobilization stands as a testament to the institution's commitment to fiscal responsibility and transparency. Upholding the highest standards, the institution conducts regular internal and statutory audits, complying with stipulated provisions to ensure sound financial health.

Comprehensive Audits: Rigorous Financial Scrutiny

The institution adheres to the stipulated provisions of the Income Tax Act, conducting both internal and statutory audits on a regular basis. These audits encompass an extensive array of financial facets, including bookkeeping, capital expenditure, statutory compliance and accounting processes, ensuring a holistic evaluation of financial operations. Notably, the auditors meticulously scrutinize fee collections, salary disbursements, statutory compliances, asset purchases and expense calculations to ensure accuracy and compliance.

Systematic Approach and Effectiveness Enhancement

The audit processes at DJSCE contribute significantly to a systematic evaluation and augmentation of financial processes. Each financial year undergoes a thorough check and verification of transactions, thereby reinforcing the institution's commitment to precision and reliability in financial matters. The audits review and endorse information, ensuring compliance with established policies and procedures.

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

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

47.84388

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Institutional Strategies: Efficient Fund Mobilization and Resource Allocation at DJSCE

Dwarkadas J. Sanghvi College of Engineering (DJSCE) operates under the auspices of SVKM, its Parent Trust, a non-profit Educational and Charitable Trust. Upholding a commitment to judicious resource management, the institution employs strategic planning, budgeting processes and careful allocation of funds to optimize its resources.

Annual Planning and Budgeting:

At the core of the institution's resource management strategy lies an elaborate Annual Planning and Budgeting process. This rigorous process ensures meticulous oversight of financial allocations, closely monitoring compliance and financial data submitted by various departments. The institution prioritizes transparency and accountability, closely aligning budgets with strategic goals.

Financial Self-Sufficiency and Fund Sources:

As a self-financed institute, DJSCE primarily relies on the collection of prescribed fees from enrolled students. These funds form the institution's primary revenue stream, with allocations made for crucial areas, such as faculty salaries, remuneration for visiting faculty and essential services like electricity, water, property taxes and insurance.

Strategic Fund Allocation:

Resource allocation is meticulously planned, directing funds towards critical areas. Enhancing library facilities through subscriptions to books and online journals is a priority, ensuring

students and faculty members have access to the latest educational resources.

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Faculty Training: IQAC, DJSCE organized a one-week orientation program for newly joined faculty members in the various departments. The program aims to facilitate new faculty members adjustment to the college as well as equip them with essential information concerning key places, processes and people. It will also attune them to the college's vision, mission, and its relation to departmental goals and build enthusiasm for, and identification with the institution. Training helped establish the institutional expectations of faculty and related faculty roles and apprise the new faculty members of specific success strategies for meeting these expectations and performing these roles.

Industry Interaction and Collaboration: To bridge the gap between academia and industry, the institution has entered into a MoU with M/s Arihant Industrial Corporation Limited on 16th January 2023, with the purpose to provide consultancy of Industrial projects and information as well as to facilitate development of students under faculty members, towards Industry Readiness. Project duration was of three months and could be extended, if required. In all 06 projects were assigned across 20 students from the Department of Mechanical Engineering and three project-wise faculty coordinators were allocated to facilitate the same. The total consultancy amount consisted of Rs 5 Lacs.

File Description	Documents
Paste link for additional information	https://djsce.ac.in/NAAC/NAAC/Criteria%206%2023/6.5.1%20Additional%20Information_weblink.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Course Planning and Documentation: Each faculty member meticulously prepares the teaching plans at the start of every semester for the courses they are responsible for. This ensures a structured and organized approach to the course delivery. Another essential part of the academic quality assurance is the Course File (CF). It was mandated by the university of Mumbai to provide the information needed to ascertain the quality of courses. The course coordinator is responsible for filling out the CF. The schedule, course handouts, syllabus, attendance records broken down monthly basis, past years' exam questions, curriculum gaps, sample questions and assignment questions are the primary contents of the CF.

Curriculum Development: The institute maintains a proactive approach to curriculum development. Each academic program has a Board of Studies, featuring external academic and industry experts, faculty members, alumni and the Head of the department (HOD). The Functions include elaborate brainstorming initially and framing the contents of various courses, updating the content from time to time and introducing new courses of study etc. This collective effort also results in a comprehensive academic calendar, impact analysis and result analysis to continually refine and adapt the curriculum to meet current educational standards and industry expectations.

File Description	Documents
Paste link for additional information	https://djsce.ac.in/NAAC/NAAC/Criteria%206%2023/6.5.2%20Additional%20Information%20Weblink.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	A. All of the above
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File Description	Documents
Paste web link of Annual reports of Institution	https://djsce.ac.in/NAAC/NAAC/Criteria%206%2023/6.5.3_1_Annual%20Report_weblink%20needed%20to%20be%20created.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	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

DJSCE takes consistent efforts to promote gender equity on the campus as follows:

1. Woman Development Cell -The institution's College Women Development Cell (CWDC) is established with the aim to implement the directives and to address the complaints/cases of sexual harassment in the institute. Women's Day was celebrated on 11th March 2023 to encourage the women of our institute.

2. SHE-Codes: 16 girl students participated in the SHE-codes coding competition organized by Adobe Systems Pvt. Ltd. Dhruvi Jodhawat was offered internship at Adobe which was successfully completed by her.

3. Google Girl Hackathon: Our girl students got to explore their

skills and talent in the Google Girl Hackathon in April 2023 and won the First prize.

4. **Hormonal Imbalances:** A session on 'Dealing with Hormonal Imbalances' was organized on 20th September 2023 to create awareness about the females' hormonal health.

5. **Wealth Maximizing Tricks for women:** A session on 'Wealth Maximizing Tricks' was organized on 18th March 2023 to familiarize women with ways for wealth creation through different investment tools.

6. **No means...NO:** A session on 'Prevention, Protection and Redressal of Sexual Harassment of Women at Workplace' was organized on 7th December 2023 to infuse confidence among our girl students.

File Description	Documents
Annual gender sensitization action plan	https://djsce.ac.in/NAAC/NAAC/Criteria%20%2023/7.1.1%20done.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://djsce.ac.in/NAAC/NAAC/Criteria%20%2023/7.1.1%202nd%20pdf%20for%20weblink.pdf

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

D. Any 1 of the above

File Description	Documents
Geo tagged 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 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

DJSCE takes initiatives towards achieving a full-fledged mechanism for waste disposal and sensitizes students and staff through the following practices:

1. Solid waste - Every floor, staffroom, classroom, and lab have a dustbin with separate partitions for wet waste and dry waste. Paper shredding is done periodically by the examination section for recycling purpose. DJSCE NSS students are also actively involved in beach cleanup drive every year. Newspaper collection drive is also organized periodically by students of DJSCE.

2. Liquid waste- Wastewater generated by washrooms, regular cleaning & mopping and canteen is properly managed.

3. E-Waste - E-waste is transferred for recycling to the local vendors annually. The NSS unit of DJSCE continuously takes efforts to create awareness about e-waste management through various activities like seminars and verbal campaigns.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	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

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

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

C. Any 2 of the above

1. Restricted entry of automobiles

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

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

7.1.6.1 - The institutional environment and energy initiatives 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	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information :

C. Any 2 of the above

**Human assistance, reader, scribe, soft copies
of reading material, screen reading**

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

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

The institute is recognized as a Gujarati linguistic minority college since 2007. Institute continuously takes initiatives to create an inclusive environment towards various diversities viz. socio-economic, OBC and J&K.

1. Youth Stand for Peace: DJNSS unit attended the Maha Satsang on 25th February 2023 organized by the Art of Living Foundation.

2. Stress Management: Another webinar on Stress Management was organized by DJNSS unit titled 'Stop and Destress' on 30th July 2022.

3. Share to Care: Our DJNSS unit organized a Collection Drive- 'Share to Care' from 13th to 21st October 2022 aimed to collect newspapers, e-waste and clothes to be donated to an NGO.

4. Charity Drive: The NSS unit of Dwarkadas J. Sanghvi College of Engineering organized an annual 'Charity Drive' in the college from 2nd to 9th December 2022.

5. Provision of Scholarships: DJSCE provides scholarships/Freeship/concessions to economically backward students based on merit.

6. Numerous online expert sessions are organized by SVKM to provide an inclusive environment in the institute during the

Academic Year 2022-23. Some of these events are "Discover One's Immense Possibilities", "How to Perform CPR to Deal with Sudden Cardiac Arrest", "Multi-culturalism in Improving Organizational Productivity" and "Healthy Kidneys for Happy Life".

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

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

DJSCE has always been proactive in organizing various events that make students aware of their duties and responsibilities as a responsible citizen of our country.

1. Tree Plantation Drive: A Tree Plantation Drive, Maitree, was organized on 28th August 2022 by DJNSS.

2. Management Drive: DJNSS organized the 'Gardi Vardi' management drive during Anant Chaturdashi to ensure a smooth and orderly Ganpati Visarjan at Juhu beach.

3. Jagrut Mumbaikar Program: DJNSS organized a seminar 'Jagrut Mumbaikar' drive September 13 to create awareness about safety concerns in the city. DJNSS also organized 'Abhar 2022', to show gratitude towards our Police Force on 24th December 2022.

4. Voter's Id Registration Drive: DJNSS volunteers organized a 'Voter's ID Registration Drive on 16th-17th February 2023 to encourage students to participate in elections.

5. Blood Donation Drive was organized in collaboration with the Mahatma Gandhi Memorial Blood Bank on March 20, 2023.

6. Beach Clean-up: DJNSS organized a Beach Clean-up drive on different beaches of the city. Also a seminar 'Thinking Blue' was organized on 7th November 2022 to spread awareness about Marine pollution.

7. Suicide Prevention: A session on 'Suicide Prevention' was organized on 8th October 2022.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://djsce.ac.in/NAAC/NAAC/Criteria%207%2023/7.1.9%20done.pdf
Any other relevant information	NA

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 4. Annual awareness programmes on 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 programs etc., in support of the claims	View File
Any other relevant information	View File

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

DJSCE always celebrates national and international commemorative days, events and festivals and encourages students' wholehearted participation in the same.

1. The NSS unit of D J Sanghvi College of Engineering celebrated Yoga Day on 21st June 2022, by organizing a webinar titled "Way to Breathe".

2. Dwarkadas J. Sanghvi College of Engineering celebrated the 75th Independence Day by organizing an awareness drive to support national drive 'Har Ghar Tiranga' on 14th August 2022.

3. Chatrapati Shivaji Maharaj Jayanti was celebrated on 10th March 2023 with full pomp and show in the institute.

4. Chair Yoga: Chair yoga session, i.e. Yoga for the workplace, was arranged for the faculty as well as students on 23rd June 2023 to commemorate the International Yoga Day.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

7.2 Best Practice I

Title of the Practice:

Continued engagement of faculty members on regular basis towards skill-set enrichment through Faculty Development Programs / Online Certification Courses.

Goal

To enhance the technical expertise of the faculty members and to equip them with cutting edge technologies in this technologically revolutionizing world, so as to pave the way for a world class Higher Educational Institute through:

- Regular faculty skillset enrichment through various programs, like pertinent FDPs, relevant webinars and expert sessions.
- Consistent Research & Development initiatives
- Enhanced E-library facility

Best Practice II

Title of the Practice:

Providing a comprehensive, multi-disciplinary & holistic education in engineering to equip the students with a diverse skill set for successful and accomplished professional careers.

Goal

- Enhancement of graduate employability skills through project based learning, focusing on research and innovation.
- Establish an ecosystem that enhances students' participation in various national and international competitive forums, that demonstrate the acquired skill sets.
- Implementation of Personal Development Plan (PDP) through soft skills training to accentuate multidisciplinary and holistic learning, as articulated in NEP-2020.

File Description	Documents
Best practices in the Institutional website	https://djsce.ac.in/NAAC/NAAC/Final%20Best%20Practice%20document.pdf
Any other relevant information	NA

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

DJSCE prioritizes holistic and multidisciplinary education as a key differentiator in today's dynamic world. The curriculum emphasizes experiential and collaborative learning through skill development courses, including the credit course, Innovative Product Development (IPD). DJS- STRIKE enhances IPD by fostering collaborative learning among students from different engineering years, facilitating peer learning with the output being exceptional performance in national/international competitions.

Ahead of NEP 2020, DJSCE introduced Honors and Minors programs, offering insights into cutting-edge technologies. The institution focuses not only on technical competence, but also on creating socially responsible citizens through courses, like Indian Knowledge Tradition, CoI, UHV and Liberal Learning Courses.

DJSCE hosts a myriad of activities, coordinated by various student chapters and clubs, creating a professional environment for students to excel in their fields. These initiatives, aligned with industry standards, result in numerous students winning national and international competitions. The institution's commitment to a well-rounded education is evident in its promotion of traditional art forms and diverse student clubs, covering arts, literature, music, community service and entrepreneurship.

Ensuring 100% campus placement, DJSCE collaborates with various bodies to provide job-oriented training in emerging technologies. The institute consistently ranks amongst the top 100 institutes nationwide, reflecting its commitment to continued excellence.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Following are the activities planned for the AY 2022-23 to facilitate the overall growth of the institute.

1. Planning for second cycle of NAAC
2. Review of NBA Application for TIER I Programs
3. Enhancing Faculty Knowledge and Skills in Technological Trends
4. Enhancing Technical Staff Knowledge in Lab Maintenance
5. Planning a Workshop on NEP 2020 Implementation
6. Creating Awareness for Competitive Exams and Placement
7. Applying for Project and Research Grant

8. Planning Internship fair

9. Seminar on Higher studies and other defence-related exams