



YEARLY STATUS REPORT - 2020-2021

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. of the Principal	02242335096
• Alternate phone No.	02242335000
• Mobile No. (Principal)	9821464696
• Registered e-mail ID (Principal)	info@djsce.ac.in; principal@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	
• Autonomous Status (Provide the date of conferment of Autonomy)	02/07/2019
• Type of Institution	Co-education

• Location	Urban				
• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr. Vijayakumar Kottur N				
• Phone No.	02242335032				
• Mobile No:	9869363683				
• IQAC e-mail ID	vijaykumar.kottur@djsce.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.djsce.ac.in/Common/Uploads/ContentTemplate/195_Down_AOAR%202019-20.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.djsce.ac.in/Common/Uploads/ContentTemplate/173_Down_Academic%20Calendar%20-%20Odd%20Sem%20-%202020-21%20-%20B.Tech%20(SY),%20T.E.,%20B.E.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 Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Nil	Nil	Nil	Nil	Nil	
8.Provide details regarding the composition of the IQAC:					

<ul style="list-style-type: none"> • Upload the latest notification regarding the composition of the IQAC by the HEI 	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 taken 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.Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> • If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>Academic Audit The purpose of an academic audit is to encourage programs to evaluate their "education quality processes" - the key faculty activities required to produce, assure and regularly improve the quality of the teaching and learning process. The Academic Audit, is conducted every semester by IQAC and once in a year by an external expert recommended by IQAC cell and appointed by the Head Of the institute. The Internal Academic Audit for the Academic year 20-21, was conducted on 05th and 06th May 2021 for all programs. The Academic Audit focused on five elements, namely, Curriculum & Co-curriculum design, Learning Objectives & Outcomes, Teaching & Learning Process, Student Learning Assessment and Quality Assurance in Education. During audit, each auditor checked the respective faculty member's approach towards educational decision-making and the way they organized their work, using the resources available to them. It was highlighted that working collectively to provide a quality education in the best interests of the program and student learning is important.</p>		
<p>Participation in NIRF Rankings and others IQAC committee conducted a session on 21st July, 2020, wherein it was suggested to take part in National Institutional Ranking Framework (NIRF 2021) and other ranking agencies. Coordinators from each department (15 participants) were briefed about the various parameters, on which</p>		

NIRF ranks institutions across the country. The institute's strength and weak areas on the basis of these parameters were discussed and an action plan to strengthen the weak areas was proposed.

Faculty development program on "Applications of Power Automate, Power Virtual Assistant for AI Educational Bot" An online one day workshop on "Applications of Power Automate, Power Virtual Assistant for AI Educational Bot" was organised on 5th June 2020 for the faculty members of the institute. The objective of this FDP was to acquaint participants with the emerging trends in Education and keep them at pace with the growing influence of AI and automation in this field. Dr. Ramchandra Mangrulkar, Associate Professor in the department of Computer Engineering was the speaker for the workshop. He provided the participants with hands-on and practical based training on the use of Power Automate and Power Virtual Assistant tools. Integration of Power Automate and Power Virtual Assistant for creating AI Educational Bots were also explained.

Placement Workshop A workshop was organised on 7th March 2021 to groom the students of first, second and third year for corporate placements. The workshop was led by Prof. Tushar Sawant. During the workshop, criteria relevant for core jobs, required skills, behaviour issues and student perspectives were discussed. Career opportunities after graduation, such as civil services and its related examinations, higher studies, entrepreneurship, etc. were also discussed. Mr. Saurav Shah (TCS), Mr. Dhruv Kadakia (Data Analyst at Jio Saavn), Ms. Keki Godse (JPMC Finance) and Mr. Anuj Sardesai, (TresVista) interacted with the participants during the workshop and shared their experiences.

State level project based competition - DJ Spark DJ Spark, a state level project based competition was organised on 10th April 2021. Students from second, third and final year participated in the competition. The students initially had to prepare a technical paper of an on-going project in the IEEE format. The faculty members of the department of EXTC assessed their submissions and the short-listed teams were given a chance to exhibit their projects. The winners were awarded with cash prizes and other exciting prizes. The competition proved to be an inspiration to budding engineering students and gave them an incentive to indulge in application-based learning. It encouraged the students to step outside of their comfort zones, expand their knowledge and build innovative projects, catering to an array of applications.

12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
<p>To improve placements Mock tests were conducted</p>	<p>Maximum number of students participated and improvement in placement Workshop on Placement on 7th March, 2021</p>
<p>Training teams to apply for NIRF and other surveys</p>	<p>Listed in top 250 colleges under NIRF Survey</p>
<p>Research Approval Committee (RAC) meetings & Annual Progress Seminar (APS) to monitor the progress of research scholars pursuing PG and PhD.</p>	<p>6 monthly progress evaluation is in place and few research scholars are awarded with PhD Degree</p>
<p>Promotion of live ongoing projects on Racing Cars</p>	<p>9 teams participated in different National & International Events and won prizes</p>
<p>Preparation for project competition DJ Nirmati, DJ Strike, DJASCI, Avishkar</p>	<p>Students participated enthusiastically and improved skills</p>
<p>Academic Audit</p>	<p>Academic Audit done regularly</p>
<p>Improving the Curriculum</p>	<p>Syllabus of all third year UG programmes have been updated and the curriculum meets industry standards. The syllabus revision was carried out by a committee involving external experts from industries and academia.</p>
<p>Training to faculty members</p>	<p>Faculty members from various departments underwent training through SAS & IBM courses, to get updated with the emerging technologies such as Visual Analytics, BaseSas & Predictive Modelling. • Faculty members have completed Coursera courses in the domain of teaching pedagogy. All faculty members successfully completed a minimum of 2 courses which helped them to effectively improve the</p>

	<p>teaching methodology. • During the lockdown, faculty members participated in 308 online webinars/seminars, putting their time to good use.</p>
<p>Online Learning</p>	<p>Online classes were also conducted for IBM additional certification courses. A total of 141 students were trained for IBM courses, under 3 specializations, such as AI&ML, Data Analytics as well as IoT. • The institute had an understanding with Coursera on the basis of which faculty and students were offered access to Coursera courses. A total of 7776 courses were completed by 960 unique course completers.</p>
<p>Promote faculty publication and research activities</p>	<p>• 2 faculty members completed their PhD during the academic year. • A total of 95 papers were presented & published by Faculty members in Conference Proceedings during the academic year • 120 research papers were published in various UGC notified journals during the academic year.</p>
<p>Patent</p>	<p>A total of 08 Patents and 10 copyrights were awarded during the year 2020-2021.</p>
<p>Organize various project competitions to promote student research activities</p>	<p>• Departments of Computer engineering and Information Technology jointly organized 'DJASCI 2021' to provide a platform for budding engineers and researchers from all over Maharashtra to share and showcase their innovative ideas in latest technologies. A total of 85 projects from diverse domains such as Artificial</p>

Intelligence, Computing, Human Computer Interface, Data Mining and Analytics and Network & Security were received. • An overnight (24 hrs.) hackathon, 'Codeshastra 7.0' was organized jointly by IQAC and the department of Computer Engineering on 13th and 14th March, 2021. The hackathon received a total of 572 registrations. • Department of Electronics and Telecommunication Engineering jointly organised 'DJ Spark' and 'DJ Strike', annual project based state level competitions, wherein students were provided with an opportunity to showcase their technical skills and compete at multiple fronts with other students from all across Maharashtra. • IQAC, ISME and departments of Production Engineering and Mechanical Engineering organised a technical fest event 'Nirmiti' from 25th March 2021 to 30th March 2021. • To expand the Machine Learning community and to foster the learning on the latest technologies and cutting edge research, as well as to develop solutions to real-world problems, IQAC and the department of Computer Engineering laid the foundations of Synapse, a Project-based ML and AI club. The club aims to teach the students and will give a hands-on experience on working with ML projects based on computer vision, natural language processing, time series analysis etc.

<p>Improvement of Lab facilities</p>	<p>Department of Electronics Engineering initiated the application for AICTE - IDEA Labs scheme. The scheme envisaged setting up of a state-of-art, design development & tooling, ideation-laboratory for students.</p>
<p>Familiarize the students with emerging technologies</p>	<ul style="list-style-type: none"> • Department of Electronics and Telecommunication Engineering organized workshop on Node Js on 13th and 14th March, 2021 to familiarize students with basics of Node Js and how its works . • DJ Cognitive Workshop 2020 was held on the 30th of October to familiarize students with the theory behind Machine Learning and Deep Learning • Training on Business Intelligence Dashboarding Using Tableau on 20th September, 2020 for Familiarising participants with Tableau interface and enabling them to apply learnt concepts to real-world datasets. • Talk on 'Roadmap to 5G talk' by Dr. Sanjay S. Pawar on 31st July, 2020 to familiarize the students with the theory behind 5G and the various techniques used in digital communication. • Seminar on Database in Production Environment organized on 3rd Nov, 2020 familiraize the students the need and use of Databases along with other related technologies in the Production environment.
<p>13. Was the AQAR placed before the statutory body?</p>	<p>Yes</p>
<ul style="list-style-type: none"> • Name of the statutory body 	

Name of the statutory body	Date of meeting(s)
Governing Body	22/03/2022
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
21/01/2021	21/01/2021
Extended Profile	
1. Programme	
1.1 Number of programmes offered during the year:	12
File Description	Documents
Institutional Data in Prescribed Format	View File
2. Student	
2.1 Total number of students during the year:	2948
File Description	Documents
Institutional data in Prescribed format	View File
2.2 Number of outgoing / final year students during the year:	798
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	2940

File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	711
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	154
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	154
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	0
4.2 Total number of Classrooms and Seminar halls	36
4.3 Total number of computers on campus for academic purposes	827
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	4009.82
Part B	
CURRICULAR ASPECTS	

1.1 - Curriculum Design and Development

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

Curricula for all programs in our institute are developed by various Boards of Studies, keeping in mind the AICTE model curriculum. Graduate attributes, listed as twelve program outcomes are mapped in the four years curricula of each program. Program Specific outcomes and course outcomes are engineered to have high relevance to local/national/regional/global developmental needs.

In the subject of Innovative product development, third year students form groups with second year students, mentored by final year students to work on a problem statement, or develop a product, which enhances the team building and collaborative learning approach.

In line with the "Make in India" initiative, courses in mechanical and production engineering are designed by integrating manufacturing processes with managerial approaches to achieve quality, reliability and sustainability. Courses, such as "Plant Engineering and Industrial Safety" and "Sustainable Technologies" ensure energy and safety aspects at all levels. All our programs provide exposure to emerging areas, through courses such as Data Analytics, Artificial Intelligence, Machine Learning, Neural Networks, Big Data, Cloud Computing etc.

Open electives, such as Personal & Corporate Finance, Product Life Cycle Management, Logistics & Supply Chain and Labor & Corporate Law prepare our students Industry ready.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

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

11

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

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

228

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

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

19

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

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

12

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

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

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 "Sustainable Manufacturing" 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 and comfortable living.

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

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

12

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

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

260

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

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

1020

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System	
1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above
File Description	Documents
Provide the URL for stakeholders' feedback report	https://djsce.ac.in/Images/djsceimages/NAAC/1.4.1_2020.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
Any additional information	No File Uploaded
1.4.2 - The feedback system of the Institution comprises the following	C. Feedback collected and analysed
File Description	Documents
Provide URL for stakeholders' feedback report	https://djsce.ac.in/Images/djsceimages/NAAC/1.4.2_2020.pdf
Any additional information	No File Uploaded
TEACHING-LEARNING AND EVALUATION	
2.1 - Student Enrollment and Profile	
2.1.1 - Enrolment of Students	
2.1.1.1 - Number of students admitted (year-wise) during the year	
692	
File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File
2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)	

331

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

2.2 - Catering to Student Diversity

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

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 slow learners. 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.

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 subject faculty & mentor professor. 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.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/08/2020	2946	154

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

The various student chapters mentored by faculty members in our institute are aimed at providing experiential & participative learning & all are encouraged to ensure that they target competitions around the country & the globe to enhance problem solving among the student groups. This is the perfect way to bridge the 'theory to application' gap that majority of the institutes face. The student chapters, such as IEEE, IETE, CSI, ACM & Pacemakers ensure adeptness in the field of software computing & embedded systems, which target the ECE and Biomedical applications. ISME, ISHRAE & SAE are completely focussed on manufacturing technologies, automotive & aero technology competitions with top accolades being won in India & abroad by all the student chapters. There is also a specific focus towards the Entrepreneurship & Incubation Centre of the college encouraging students to pursue & accelerate the project to product mentality by extensively organising meetings, seminars and workshops by venture capitalists. A special emphasis is also placed on the "National Social Service" (NSS) Chapter of our college 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.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

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

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 SVKM's student portal, a learning management system. Faculty can upload study materials, term work & term test marks and manage the student's attendance through this portal. Students can also submit assignments, pay the fees and view their results here.

During this 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.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://djsce.ac.in/Images/djsceimages/NAAC/2.3.2%20Link.pdf
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

154

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

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

As an Autonomous Institution, institute 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 planned to be conducted throughout the semester. Details, such as commencement of the semester, term test, various curricular, co-curricular, sports & cultural activities, improvement week at the end of the semester, commencement of oral/practical examinations, theory examinations and public holidays, etc. are marked in the calendar.

Each department prepares a departmental academic calendar, which includes schedules of BE project display, mid-semester project reviews, display of test results, expert lectures, workshops, seminars and all other activities.

Every subject teacher then prepares a teaching plan consisting of theory and practical. The theory plan includes topics and tentative dates to complete those topics. The practical teaching plan 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 etc., 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.

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

2.4 - Teacher Profile and Quality

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

154

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

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

34

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

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

1500

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

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

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

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

1

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

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

The COVID-19 pandemic has made the use of IT enabled services an integral part of the examination process. A pool of question papers per subject is created using MSFORMS. One 'Question Paper' is randomly selected from the pool, on the day of examination.

MS TEAMS software is used to perform various tasks during the conduction of examination. This includes

- monitoring students,
- distribution of question paper,
- uploading of question paper,
- evaluation of question papers,

The online evaluation gives 24 x 7 access to the evaluators and therefore expedites the process.

Using the moderation criteria, selective papers are sent to the 'Moderators' for secondary evaluation. The final marks are uploaded on student portal by the exam section. After completion of the entire process, the marks are published on the student portal. The students can access their marks and in case of any queries, can request for re-evaluation.

MSTEAMS portal is also used for the 'Continuous Internal Assessment'. This includes:

- scheduling & conducting lectures and practical sessions,
- taking online quiz,
- scheduling & evaluating, assignment and experiment reports

These sessions are recorded, so as to allow students to revisit the content. MSTEAMS is used to develop the rubric for evaluation of reports submitted by the students.

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

2.6 - Student Performance and Learning Outcomes

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

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

Below are the links for Course Outcomes for all Programmes offered by the institution:

<https://djsce.ac.in/Images/djsceimages/NAAC/Prodnew.pdf>

<https://djsce.ac.in/Images/djsceimages/NAAC/new%20IT%20co.pdf>

<https://djsce.ac.in/Images/djsceimages/NAAC/new%20Extc%20.pdf>

<https://djsce.ac.in/Images/djsceimages/NAAC/new%20comps%20co.pdf>

<https://djsce.ac.in/Images/djsceimages/NAAC/MechNew.pdf>

<https://djsce.ac.in/Images/djsceimages/NAAC/elx%20.pdf>

https://djsce.ac.in/Images/djsceimages/NAAC/Edited_SYBTech_merged.pdf

<https://djsce.ac.in/Images/djsceimages/NAAC/chem%20new.pdf>

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Sample Link : https://djsce.ac.in/Images/djsceimages/NAAC/new%20comps%20co.pdf

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as 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 table, which is discussed below.

For the attainment level table, the 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.

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

2.6.3 - Pass Percentage of students

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

800

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

<https://djsce.ac.in/Images/djsceimages/NAAC/SSS%202021-22.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

The research policy of the college aims to create and support a research culture among its faculty members, staff and students and leverage it for enriching and enhancing the professional competence of everyone involved. The policy aims at developing and promoting scientific temper and research aptitudes of all learners; for realising the vision and missions of the college and for contributing to national development. This is achieved by establishing an institutional fund and plan for facilitating their participation in research and related activities and by providing the required resources and appropriate facilities.

The policy aims at ensuring that the research activities of the college conform to all applicable rules and regulations as well as to the established standards and norms relating to safe and ethical conduct of research.

The Research Policy of the institution is updated on the college website with its well-defined guidelines paving the way for our

students and staff contributing to 145 journals and publications. The Policy has ushered in research funding, amounting to Rs. 9,08,000/- for the year 2020-21. The 9 PhD guides with their 35 PhD aspirants find the ground rules especially helpful to conduct world-class research and thereby subscribe to the development of science and technology.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	No File Uploaded
Provide URL of policy document on promotion of research uploaded on the website	https://www.djsce.ac.in/Research%20Policy/M_474
Any additional information	No File Uploaded

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

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

5.5

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

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

3

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

3.2 - Resource Mobilization for Research

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

9.083

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

3.2.2 - Number of teachers having research projects during the year

11

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

7

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

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

7

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://mu.ac.in/wp-content/uploads/2020/03/apd762201920 , http://cdac.olabs.edu.in/?sub=74&brch=31&sim=249&cnt=4 , .pdf ,
Any additional information	View File

3.3 - Innovation Ecosystem

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

The Research and Development ecosystem has 9 recognized research guides, 42 doctorate faculty and 16 faculty pursuing Ph.D. programs. Physical infrastructure consists of a well-equipped Library and laboratories with state-of-the-art simulation equipment and others. University of Mumbai approved Ph.D. Programmes in Mechanical Engineering, Electronics and Telecommunication Engineering and Computer Engineering have been in place since 2013. A budget of nearly Rs.12,00,000/- per year is designated towards R&D, including STTPs, National/International Conference/Symposiums, and Project Competitions/Exhibitions etc. In 2020-21, Rs. 9,08,000/- was sanctioned for 11 research

proposals. In the last five years, 55 research projects undertaken by institute faculty members amounting to Rs. 59 lakhs have been funded by various government and the non-government agencies.

Intellectual Property Rights (IPR) cell was established in 2014 with an objective to create awareness among students and faculty members regarding the basics of patenting and copyrights and how to safeguard their ideas and findings from infringement.

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

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.djsce.ac.in/e-cell/

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

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

3.4 - Research Publications and Awards

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

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

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

3.4.2.1 - Number of PhD students registered during the year

6

File Description	Documents
URL to the research page on HEI website	https://www.djsce.ac.in/Code%20of%20Ethics/M_264
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

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

63

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

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

82

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

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

3.4.5.1 - Total number of Citations in Scopus during the year

460

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

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

3.4.6.1 - h-index of Scopus during the year

2.15

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

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

0

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

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

0

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

3.6 - Extension Activities

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

In 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".

1. Health and Sanitation:

- Tide Turners Plastic Challenge (Online Awareness Initiative on Plastic Pollution).
- Juhu and Dahanu beach Clean-up drives.
- Health Quest- A Webinar by Shikha Gupta, Nutritionist.

- Art of Living Webinar.
- Plasma and Blood Donation.

2. Environment:

- "Maitree" 2.0- An Online Tree Plantation Drive.
- Voice of the Voiceless (Online Awareness Initiative for animals & bird's well-being).

3. Cultural:

- Gurvandan- A Teacher's Day Celebration.
- Pride Month Initiative (Online Awareness Initiative).
- Cater for Care (Fundraiser for adopted villages of Narpad and Dahanu).
- Footprints- Strides of Support (Online Walk-a-thon).

4. Education:

- Samvaad Session-1: A Talk with The Brave.
- Samvaad Session-2: Mettle and Motivation.
- Atmasurakhsha (Self-Defense and Anti-Harassment Workshop).

5. Awareness:

- Lighten the Load (Mental Health Awareness Interactive Session).
- Covid Dashboard (Online Awareness Initiative on Vaccination, Helplines and Precaution).

6. Donation:

- Helping Hands- Clothes Donation.
- DivyaDaan- Food Donation.
- Sharing Warmth- Blanket Donation.

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

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

7

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

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

27

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

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

2000

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

3.7 - Collaboration

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

322

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

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

23

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution is endowed with sufficient physical infrastructure. DJSCE has modern ICT enabled and well-equipped air-conditioned classrooms, laboratories, Central Library, and departmental libraries, etc. The entire campus is Wi-Fi enabled with sufficient bandwidth. Each classroom is equipped with Smart board, LCD and Desktop with internet facility. Overall, the college has 33 classrooms and sufficient Tutorial Rooms/Seminar Halls/Conference Rooms. The Conference Room and Seminar Halls are used to conduct the special sessions, like seminars, workshops and symposiums, etc. Institute has 62 spacious and dedicated laboratories for all the 8 UG, 3 PG programmes and 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, Micriwind, Xylinx etc. are installed in laboratories as per the requirement of the course. Adequate light system is installed in the labs to keep them well illuminated. Models and charts are put up for respective subjects in respective labs for support information. Lab manuals are also been provided during the practicals. 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 811 Desktop Computers & 16 Laptops in good working condition all connected with internet facility.

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

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

College has all the facilities useful for the overall development of each student. The college takes adequate care to encourage the students to grow up to their physical and mental ability for future betterment. Student life is the best time for the grooming and our college 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 a 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, table tennis etc. are available for the students. Students practice football, volley ball and Cricket on hired grounds surrounding the college. There is an inter college as well as intra college competition held every year by the college. There is also a playground as a common facility provided by our management.

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

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

36

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

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

366.54

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

4.2 - Library as a Learning Resource

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

Name of ILMS software

Nature of Automation (fully or partially)

Version

Year of Automation

LIBSYS

Fully

7

2010

KOHA

Fully

19.11.00.000

2017

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

The library automation was initiated in the year 2000 with the in-house Library management software. Afterword's, the LIBSYS Integrated Library Management System was put into place in the year 2010. Presently, the KOHA Integrated Library Management System with 19.11.00.000 version is being used in the library. The fully computerized Library is a treasure house of knowledge comprising an ever growing collection of about 29000 books and more than 1,46,000 e-books 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 their home.

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

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

A. Any 4 or more of the above

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

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

1687031

File Description	Documents
Audited statements of accounts	View File
Any additional information	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 - Usage of library by teachers and students (footfalls and login data for online access)

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

81

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

4.3 - IT Infrastructure

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

DJSCE IT Facilities

Dwarkadas J Sanghvi College of Engineering provides the latest IT Facilities to its Employees and students to ensure efficient and effective conduction of all academic and other related activities. These facilities include, personal Computers with high speed internet connection and IP based phones for each teaching staff member. DJSCE also provides well equipped labs with all relevant

software and hardware requirements for the students from their curriculum and academics point of view. The institute has a total of 811 desktops, 16 Laptops, 19 printers, 53 switches, 39 Access points and 6 dedicated servers available on campus. The institute also has 33 smart boards and 40 LCD projectors to ensure modern and efficient classroom teaching.

All of 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 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 cameras in examination section and in the library.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2946	620

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: B. Any three of the above
Facilities available

for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

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

4.4 - Maintenance of Campus Infrastructure

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

366.54

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

All these facilities are available to all the students and faculty members from morning 7 am to evening 6 pm. For the requirement of any equipment or instrument in the laboratory, the respective head of the department forwards the requisition to the Principal and after consulting the accounts department, the requisition passes through and proceed for procurement. Students and faculty members can use the laboratories in the given time as per timetable. Repair and maintenance is taken care by college central store and maintenance dept. Every 3 years, the equipments are upgraded. Library is open access and is open from 8.30 am to 6.30 pm. During the study leave before examination, it is kept opened for extra hours. There is capacity of 180 students to sit and study inside library. 26 desktop computers are there for digital library usage. Each student can issue 3 text books for 7 days and faculty members can get 20 books for 3 months. Requirement for new books and e-books or any digital resources comes from students and faculty members as well. Librarians check the cost and the real demand of

the requirements and forward to principal for approval. Purchase of books are done yearly 4 times and the other online resources and journals are subscribed yearly, once. There are boy's and girl's common room with indoor games facility. Students use it during free time. There is a well equipped gymnasium for students and faculty members in the college premise. This is kept opened morning from 6 to 11 am and evening from 4 to 10 pm. Computers are provided to each faculty members and staff for academic and official work. Each laboratories are well equipped with latest version of desktop computers. Computers are updated with software required for a particular laboratory. All computers are connected with internet and attached with central server. Computers are maintained by an external agency under the annual maintenance contract. Students use the computers for their practical classes , projects and any other academic purpose during free time of the practical class. There are separate classrooms for each division of each branch. Classes are all air-conditioned and wifi connected with smart board facility. Students of a particular division sit for lectures in a particular room throughout the day.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

411

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

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

12

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

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	A. All of the above
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------

File Description	Documents
Link to Institutional website	https://djsce.ac.in/Images/djsceimages/NAAC/5%201%203%20final.pdf
Details of capability development and schemes	View File
Any additional information	View File

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

1108

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate	A. All of the above
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------

committees

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	No File Uploaded

5.2 - Student Progression

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

473

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

5.2.2 - Number of outgoing students progressing to higher education

200

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

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

273

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

4

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

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

The institute has an active Student Council and Student Chapters that are responsible for organizing and conducting various events and activities for the students. Despite the academic year 2020-21 being a covid19 impact year, the student body kept the enthusiasm alive by organizing various events on the virtual platform. The cultural committee hosted many events under DJS Beats, and DJ lit to provide a platform to the budding musicians and writers. Student Chapters are professional bodies, such as ACM, CSI, IETE, IEEE, ISME, RAS, ISHRAE, SAE, PACEMAKER and IICHE. These professional bodies organize technical events such as paper presentations, seminars, workshops and project competitions. Every department has an advisory board, which consists of industry experts, faculty members, alumni and student representatives. An annual meeting is held to discuss the gaps in syllabus, teaching- learning process and on how to increase the employability of the students. Students are also involved in various administrative responsibilities and play an active role in various committees like NSS, Student Grievance committee, Alumni association and Women Development Cell etc. A Maintenance committee is in place to resolve any grievances faced by the students related to facilities in the classrooms, laboratories, library, cafeteria, washrooms etc.

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

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

10

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

5.4 - Alumni Engagement

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

DJSCE alumni has made the institution proud at global level by contributing significantly to the field of technology and the cause of education. It was established in the year 2007, and is registered as a Society in the year 2021. It serves as a forum to promote and foster a good relationship between Alumni, Students and Teachers, thereby enabling our 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 5900 registered members on the portal. Alumni are invited as members of the Department Advisory Board (DAB) and Board of Studies (BoS) their suggestions on various departmental activities are considered valuable. The association conducts meet every year to strengthen relations between alumni and institute. The meets of the departments were conducted in the first quarter of 2021, 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
Upload any additional information	View File
Paste link for additional Information	https://alumni.djsce.ac.in

5.4.2 - Alumni's financial contribution during the year	C. 5 Lakhs - 10 Lakhs
----------------------------------------------------------------	-----------------------

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Describe the vision and mission statement of the institution on the nature of governance, perspective plans and participation of the teachers in the decision making bodies of the institution within a minimum of 500 characters and maximum of 500 words.

DJ Sanghvi College of Engineering (DJSCE), having celebrated its 25th year, just prior to COVID - 19 has always tried to be a global player in the academic arena by providing quality education and training to its students.

The ensuing features empower the institute to realize its vision:

- Training and producing disciplined and qualified people in Engineering, Science and Technological Fields.
- Enabling the students to explore new realms of wisdom.
- Inculcating values of personal excellence and concern for others.
- Along with a well monitored academic process, the co-curricular and cultural and sports activities play an important role in the development of the student, which would have a positive impact on the society of the future.

The balance of academic and co-curricular opportunities given by the institute have been instrumental in moulding the students into becoming multifaceted engineers. With a strong vision and passion for being the pioneers of the modern education system, DJSCE has blossomed into a state of the art institute, with ever expanding facilities and infrastructure. The world is changing and we at DJSCE make things happen.

Companies, such as Quantify, Browser Stack, Amazon, Morgan Stanley, Deloitte, Reliance Jio, JP Morgan, RBL come knocking on its doorstep every year and recruit from the brightest engineering minds in the country. Every New Year, the Times Square in New York has a congregation of alumni studying in the US celebrating their success achieved at DJSCE (as we are lovingly referred to).

All its eight undergraduate programmes have been accredited by the NBA. IIT Bombay has now affiliated the institute as a Remote Centre for its e-outreach programs.

The pillars of the college are its students. At one end they are becoming academically strong, obtaining admission easily in IITs, IISc and IIMs for their higher studies and at the other end they are unbeatable in Formula Racing, hackathon competitions and other coding competitions, not only in India, but also at international level too.

The faculty consistently encourages and guides these students. Not to be left far behind, the faculty themselves have basked in the glory of Best paper awards at reputed conferences, become Associate Editors of highly rated periodicals, such as IEEE Access, served on Technical Programme Committees and have given talks at various International Conferences in India and overseas. DJSCE has always envisioned and has emerged as a Global Brand in the field of education.

The Governing Body, Academic Council, Boards of Studies, Institute Development Committee, the Department Advisory Board, Internal Audit Team and the Finance committee are a few of the important components that is deployed for effective governance, in tune with the vision and mission that is reflective of the effective leadership of the institute.

Additional Information:

The vision and mission was constituted in handclasp with the

stakeholders in education arena.

The Stakeholders are identified as;

1. Internal Stakeholders: Students, faculty and Management.
2. External Stakeholders: Parents, employers, alumni and society.

In order to create awareness amongst the stake-holders, the Institute and Department's vision and mission statement are displayed on the College Website, HOD cabins, Faculty Rooms, Laboratories, Class Rooms, Learning Management System -Blackboard and Corridors. They are also printed on laboratory journals, submitted as a part of internal term work.

Pamphlets, leaflets and literature distributed during seminars, workshops and conferences also convey the Mission and Vision statements.

The process flow of how the Vision and Mission statements were coined are briefly described as a reflection of the stakeholder's briefs, reports and comments.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://djsce.ac.in/Placement%20Cell/M_172

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

The institute has a decentralized decision making process. Principal oversees and delegates all academic and non-academic decisions to various committees. The Vice-Principal (Administration) assists the Principal in ensuring the smooth and effective functioning of the institute. He also oversees the allocation of the infrastructure and the facilities and ensures the optimum utilization of the college resources. The Vice Principal (Academic) assists the Principal and also drives the research and educational innovation and foster collaborative efforts between various research institutes and colleges. VP (Academics) also supports the development of multi-disciplinary research and teaching, e.g. coordinating proposals, forming groups to address specific issues etc. and ensures the academic standards of all the programs managed within the college.

In order to ensure smooth day to day functioning of various departments and sections in the college, various committees are formed by the Principal, keeping in mind the organisation and governance structure. Further co-committees and delegates are appointed depending upon the position. For every department, HOD handles the day-to-day activities of the department. He/She ensures the smooth functioning of the department. Associate head of the department is responsible for monitoring the functioning of the department, together with the department head. Associate Head helps in promoting the intellectual life of department by regularly inviting faculty, graduate students and guest speakers for technical interaction with students and faculty. He/She also helps in promoting department student chapters and encourages interdisciplinary participation.

Different entities, such as sports & cultural disciplines have functioning sovereignty under the tutelage of different committees as formed by the Principal. DJSCE over the years has built a robust administrative structure, responsive to the views of the faculty members and students to a very large extent.

Decentralization in DJSCE is effected through four statutory and twenty six non-statutory committees, which involve participation of each and every faculty member from every department. Few details of the Admission Committee and Library Committee are given here.

Special Efforts by Library Committee during COVID - 19 pandemic.

The college developed DJSCE LIBRARY WEBSITE in the month of MAY 2020 without the help of any website developer or IT person. All the information regarding subscribed journals, open access journals, Books, Periodicals, list of subscribed databases etc. along with the remote access is given on the website. EZPROXY software is provided for getting home access of all databases to the students and faculty members with the URL <https://ezproxy.svkm.ac.in:2048/login>. This URL has been tied up to the Library website with a single TAB "Access for all databases". Access for LIBRARY WEBSITE has been given through the College Website.

Library has renewed following databases to promote the research activities

1) ASME - 27 e-Journals

2) SPRINGER - 468 e-journals

3) SCIENCE DIRECT (Elsevier) - 300 journals

4) McGraw Hill Access Engineering - 761 Books & Handbooks

Access for the following common databases is also provided: IEEE Journals 497, Conference Proceedings 29508, Standards 3918, JSTOR, EBRARY - 1,46,000 e-books PEARSON - 361 e-books.

Admission Committee:

The main aim of the Admission Committee is to carry out the admission process in a fair and transparent manner as per the guidelines laid down by Directorate of Technical Education, Maharashtra State. The admission process is conducted strictly on the basis of merit and the preferences filled in by the candidates. Admission details like process of admission, seat availability, merit list and details about various rounds of admissions are displayed on the website. The eligibility criteria are followed strictly based on the guidelines laid down by the Admission Regulatory Authority, Maharashtra State. In addition to First Year Engineering admissions, the Admission Committee conducts lateral admissions to the second year (for diploma holders). The admission notice for this entry is similarly published in newspapers, college notice board and on the website.

The admission process is conducted in the institute, by a committee headed by a Chairperson, Co-chairperson/s, aided by Vice Chairperson and teaching faculty members from various departments. These appointments are authorised by the principal, who oversees the entire process. The Admission Committee is ably supported by an IT Committee with support staff during the entire progression of admission. The committees adhere strictly to the guidelines laid down by the AICTE, DTE and the Govt. of India from time to time.

Release of advertisement in all the leading local newspapers and also on the website for inviting applications.

Test the software developed in SAP for the entire admission process, starting from applications to final admission process.

Guiding the candidates while filling the forms.

Prepare the merit list in accordance with the rules and regulations proposed by the DTE.

Carryout allotment of seats as per the merit and as per the preferences filled in by the candidates.

Carryout actual admission process including registration, fees acceptance and confirmation of admission.

Display of vacancies and conduct of counselling round for filling the vacancies.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.djsce.ac.in/Common/Uploads/ContentTemplate/203_Down_8_Library%20Committee%202019-20.pdf

6.2 - Strategy Development and Deployment

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

Perspective/Strategic plan and Deployment documents are available in the institution

Describe one activity successfully implemented based on the strategic plan within a minimum of 500 characters and maximum of 500 words.

The revenue and capital budget are prepared prior to the start of the financial year. Budgetary proposal is invited in a prescribed format. The Management ensures that adequate budgetary provisions are made, based on targets of the Trust. The budget estimate for the financial year 2020-21 is prepared as per the guidelines, after discussing it with authorities and department HODs. The total budget expenditure is estimated at approximately 80 crores for the FY 2020-21. The disbursement is based on the Institute's Vision and Mission with a consideration towards budgetary liabilities. Salaries and benefits as well as capital expenditure, maintenance and

operations costs fundamentally drive fiscal expenses for the institute. Clauses in budget identify initiatives to sustain world class education and training, student success and also provide financial sustainability.

Academic Calendar:

The academic calendar designed by the institute provides strategic direction, a set of broadly defined benchmarks and a series of guideposts for the journey along the semester. The ideas in this plan are meant to guide further work and help focus on the priorities and along with the vision, to inspire us to move forward in exciting new directions.

DJ IGNITE and DJ STRIKE are project based learning platforms emanating out of systematic academic and strategic planning. IGNITE is the official IETE-Student Forum newsletter, which contains articles as well as the reports of all the events conducted by IETE-SF committee throughout the year. Articles on Topics like big data analysis and Google's Keynote 2017 were covered in the 2018 feature. 'Into the future' section of IGNITE has articles dedicated to futuristic technology, like augmented reality and AI. DJ IGNITE has attempted to provide solutions to the modern day problems by focusing on different technologies, considering economic sustainability and demographical terms, hence inspiring the minds of the readers. DJ IGNITE was to feed the inquisitiveness of the student and to unfold the latest aspects of scientific developments.

The idea of DJ IGNITE emanated from DJ SPARK, the flagship event of IETE-SF. DJ Spark aims to encourage students, who are eager and passionate to learn and implement ideas in the form of Technical projects. Students can make utmost use of this platform to broaden their horizon in their respective field of interest and present it with the same conviction. DJ SPARK publication eventually had an ISBN number. Initially, only the final year students contribute to the journal with some very good quality research. It is also now decided to involve the third year students as well. The students initially were thrilled and ideas flowed, thus leading to the launch of IGNITE.

The success of IGNITE put fuel to the fire and the second year students have now become the part of the core teams in the project. A kind of mentorship cycle started and STRIKE has thus evolved. DJ

Strike is a mentorship program, under which teams comprising of second year and third year students are given an opportunity to create industrial level projects under the guidance of BE mentors as well as a faculty mentor.

Link: www.djsceietesf.com,

Additional Information

Strategic Planning is done initially at the institute level. Strategic Planning focusses on ensuring high quality standards of the institute's academic programs and courses. Program Quality Assurance Process are set in place to move the institute towards academic autonomy. The guidelines are set by the development committee to design perspective plans for the semester and are supervised by the committee towards their deployment at the department level.

INSTITUTE DEVELOPMENT COMMITTEE

https://www.djsce.ac.in/Common/Uploads/TabbedContentTemplate/164_Down_Institute%20Development%20Committee%202020-21.pdf

Teaching learning process is continuously evaluated and various means are used to improve it in the department. The process includes the academic calendar preparation.

Preparation of Academic Calendar

- Every department prepares an academic calendar, which includes schedules of BE project presentations, expert lectures, workshops, seminars and other activities.

Every teacher prepares a teaching plan, which includes topics and tentative dates to complete the topics based on the time-table.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.djsce.ac.in/Common/Uploads/TabbedContentTemplate/170_Down_Academic%20Calendars%20for%20A.Y.%202020-21.pdf
Upload any additional information	No File Uploaded

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

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

Shri Vile Parle Kelavani Mandal is a Public Charitable Trust registered under the Society's Registration Act and Bombay Public Trust Act. From its humble beginning in 1934, when it took over the Rashtriya Shala, a school established in 1921 in the wake of the National Movement, the Mandal today has grown into a big educational conglomerate imparting high-level education to more than 60,000 students.

Principal is the academic and administrative head of the college, assisted by the Vice Principals, Heads of the Departments and the Registrar.

The governing council (prior to Autonomy or Body post autonomy) and LMC members along with their educational testimonials are accessible on the uploaded links.

SERVICE RULES/PROCEDURES

The Maharashtra University Act 1994 and Maharashtra Civil services Rules 1981 available on public domain are followed. Currently, the revised Maharashtra Public University Act 2016 is in force and is being followed.

Published Rules and Policies: Service Rule Book for Permanent Employees

Year of Start of Publication: 1994

USE AND DISTRIBUTION OF SERVICE RULE BOOK

The appointed candidates have to sign the joining letter and a confirmation of approval of rules and regulations of the institute. Service Book is regularly updated, which are made available during the committee visits.

CAS (Carrer Advancement Scheme) set up by the institute throws light on its promotional policy of the institute.

Women's Day event was held on the 8th March 2021 in the college premises taking into consideration all the COVID related protocols. Additionally Regular virtual/offline meetings and programs were conducted throughout the year.

As per the University guidelines, the college has a Women Development Cell (WDC), formed to look after the grievances of women (female staff and students), if any. WDC often organizes programmes for the benefit of women. A Grievance Committee also exists in the college to look after the grievances of staff members and students and address them. Local Managing Committee also takes care of staff and student's grievances. An unfair means committee appointed by the Principal independently enquires any unfair practices followed by the employees and the students and reports the finding of the enquiry to the Principal. Students' Council of the college also plays a vital role in this direction. Many of the grievance related issues are sorted out at the desks of Heads of the departments / Principal. Any other major grievances that cannot be sorted out through any of the above committees/mechanisms are referred to the top management for appropriate follow up and advise. The following committees exist in the college to deal with some of the above mentioned aspects.

1. Grievance Committee
2. Women Development Cell
3. Anti-Ragging Committee
 - o Anti-Ragging Squad
 - o Anti-Ragging Cell

File Description	Documents
Paste link to Organogram on the institution webpage	https://djsce.ac.in/Organization%20%20Governance/M_425
Upload any additional information	View File
Paste link for additional Information	Nil

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

A.Y. 2020 - 2021 was largely under the influence of the COVID pandemic. SVKM management strived towards the welfare of their staff in terms of monetary compensation and leaves. The details of the same are provided in the documents uploaded.

Retirement Benefit Scheme: The Management of the SVKM has introduced the scheme to ensure that the employees are taken care of not only while they are rendering their services, but also when they retire on superannuation. The scheme covers all employees, who have worked with one or more of the SVKM institution for a minimum period of 10 years and have superannuated on reaching the retirement age. The Monthly Benefit amounts to Rs.10,000/- pm for teaching faculty, Rs. 5000 for Class I, II and III employees and Rs.2,500/- pm for Class IV. The Management has also extended half of the benefit to the spouse, if the ex-employee passes away within the tenure of the

Benefit Scheme. Allowance: Incentives of 5000 to 40000 per month are given by management to some employees as an appreciation for their contribution to the development of institute as well as loyalty.

Mediclaim and accidental insurance: the college employees are covered under group personal accidental policy up to the limit of Rs 10 lakh. In case of accidental death of any employee, who is covered under the policy, he/she will be eligible for the claim of Rs 10 lakh. The benefit is also extended to employee's family. Medical insurance up to two lakhs is being provided by the management to the employee and his/her family. Leave Travel Concession is admissible to employees of all grades, whether on deputation, permanent or probation after completion of one year of continuous service in the institution as per directive of Government of Maharashtra.

Medical facilities: SVKM, the parent body has a Health Check-up Centre for the teaching and non-teaching staff members of all its institutions. We have a group insurance policy with The New India Assurance Co. Ltd. for all the employees. The wards of the staff members studying in any of the SVKM institutions are given 25% discount in the tuition fees every year during their period of study. The staff community along with their family members are benefited with the Mediclaim facility. The management allots a substantial amount towards the Employees Provident Fund. Loyalty bonus is given to the faculty members, who are serving the institute for a long term. The credit society is formed for the benefit of staff, so that they can avail the facilities like personal loan, fixed deposits etc. Members of the faculty are allowed with special duty leave to present their research papers pan India and also at conferences abroad. Maternity leave of 180 days is sanctioned for the female employees. Paid leave for critical illness for one year is sanctioned in the case of confirmed employees as per the need.

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

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

90

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

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

90

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

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

622

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The institute conducts internal and Statutory Audit, as per stipulated provisions of the Income Tax Act. The parent trust appoints the auditors and audits are conducted regularly. The areas covered by the auditors are; the maintenance of books of accounts and records, work load audit, capital expenditure and repairs and maintenance, statutory compliance, system implemented etc. as well

as checking of the accounting process, like collections of fees from the students and its reconciliation. Payment of salary and its statutory compliance viz. TDS, Professional Tax and Employees Provident fund etc. as well as Purchase of assets and calculation of depreciation and other expenses and statutory compliances like TDS contractors, professionals and rent are part of it. Internal and statutory audit helps the institute to follow a systematic approach to evaluate and enhance the effectiveness of the financial process. A thorough check and verification of all transactions are carried out in each financial year. It reviews and approves information and compliance with the policies & procedures. The observations, recommendations & suggestions given by the auditors are duly complied with.

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

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

33.048

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

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

The institute is supported by "Shri Vile Parle Kelavani mandal", the Parent Trust, a non-profit Educational Trust. For appropriate and proper utilisation of resources, the institution has an Annual Planning and budgeting process. Budgets and compliance to the budgets, financial data submitted by the all departments along with required justification are closely monitored by the institute and management. As a self-financed institute, the main source of funds is collection of prescribed fees from the students admitted to UG and PG Programmes & PhD. The major funds are allocated for the

salary of teaching and non-teaching staff as well as for the remuneration of visiting faculty members. Funds are utilised for priority services like Electricity, Water and Property taxes, insurance etc. Page 86/109 24-06-2019 02:20:14 Self Study Report of SHRI VILE PARLE KELAVANI MANDAL'S DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING To mobilise the financial resources, funds are allocated and expenditures are prioritised as follows: Adequate funds are utilised for development of and maintenance of infrastructure viz. Building, Laboratories, Classrooms, equipments and Furniture etc. Requisite funds are utilised for enhancing library facilities like subscription to Books, Online Journals and Periodicals-magazines etc. Funds are provided for other services like Security, Housekeeping and Pest Control etc. Funds are allocated for development of 1) Staff - to conduct orientation programs, workshops, FDPS and other training programs that ensure quality education. 2) Students - to conduct lectures from experts from industry as well as to encourage student's projects & other student activities like sports, cultural and technical etc. Further, optimal resources are utilised to provide best quality equipments, advance technology and better infrastructure for providing excellent quality of education.

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

6.5 - Internal Quality Assurance System

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

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes and has made Incremental improvements with regard to quality and post-accreditation quality initiatives. This is evident from the latest rankings by various agencies.

Sr. No.

Agency

2019-20

2020-21

1.

India Today

Best Private Engineering College in the West Zone of India & 10 amongst the Top 200 Private Engineering Colleges in the Country

Best Private Engineering College in the West Zone of India & 10 amongst the Top 200 Private Engineering Colleges in the Country

2.

The Week

57th

57th

3.

Education World magazine

37th amongst the Top 100 Private Engineering Colleges of India and 5th in the list of Top 17 Colleges of Maharashtra

2nd Best Private Engineering College in the state of Maharashtra & 25th amongst the Top 100 Private Engineering Colleges of the Country

4.

CSR-GHRDC

3rd in Maharashtra and 14th in the Top 29 Engineering Colleges of Eminence in India

3rd in Maharashtra and 12th in the Top Engineering Colleges of Eminence in India

5.

Times of India

38th amongst the Top 140 Engineering Colleges of India

22nd amongst the Top 175 Engineering Colleges of India and 15th amongst the Top 100 Private Engineering Colleges of India

Following were the activities that IQAC organised during the academic year 2020-21 to improve the overall quality.

DJ Spark : DJ Spark, a state level project based competition was organised on 10th April 2021. Students from second, third and final year participated in the competition. The students initially had to prepare a technical paper of an on-going project in the IEEE format. The faculty members of the department of EXTC assessed their submissions and the short-listed teams were given a chance to exhibit their projects. The winners were awarded with cash prizes and other exciting prizes. The competition proved to be an inspiration to budding engineering students and gave them an incentive to indulge in application-based learning. It encouraged the students to step outside of their comfort zones, expand their knowledge and build innovative projects, catering to an array of applications.

Node Js Workshop : A workshop on Node Js was organised on the 13th and 14th of March 2021 to explain the basics and working of Node Js for the students of first, second and third year. Mr. Rushabh Shroff, the panelist for the workshop, introduced Node Js and explained its advantages. The participants were taught the methods and processes for creating, deleting, updating and parameters in Node Js. During the workshop, topics such as authorization and authentication by the user aspect of Node Js, hashing of Passwords, JSON Web token authentication and protection of routes using middlewares were also discussed.

Placement Workshop : A workshop was organised on 7th March 2021 to groom the students of first, second and third year for corporate placements. The workshop was led by Prof. Tushar Sawant. During the workshop, criteria relevant for core jobs, required skills, behaviour issues and student perspectives were discussed. Career opportunities after graduation, such as civil services and its related examinations, higher studies, entrepreneurship, etc. were also discussed. Mr. Saurav Shah (TCS), Mr. Dhruv Kadakia (Data Analyst at Jio Saavn), Ms. Kekti Godse (JPMC Finance) and Mr. Anuj Sardesai, (TresVista) interacted with the participants during the workshop and shared their experiences.

DJ Cognitive ML Workshop : A workshop on Cognitive Machine Learning

was held on 30th October 2020 and 1st November to provide a practical insight into the field of machine learning. The speaker, Mrs. Moksha Shah discussed various concepts in the ML domain and explained the difference between weak and strong artificial intelligence. Correlations between AI, ML and DL were also discussed. Participants were then provided an in depth analysis of data pre-processing, data complexities, supervised learning, regression and classification. Mr. Agam Saraf then guided students in building an IPL score predictor using python. On the 1st of November, Mrs. Moksha Shah explained the concepts of Neural Networks and Natural Language Processing. Mr. Kashish Shah then guided the participants in setting up Google collaboratory notebooks and fabricating their own chatbot. The workshop thus provided the students an insight into the different stages and obstacles encountered, while fabricating and implementing a project. The workshop is expected to help the students to implement this knowledge in their future endeavors and become better employable.

Business Intelligence Dashboarding Using Tableau : Data visualization has started exponentially gaining prevalence in the modern-day industry. Keeping this in mind, an online workshop on "Business Intelligence Dashboarding using Tableau", was organised on 20th September 2020 in association with Mr. Sagar Moharir, senior data engineer at Quantiphi. During the workshop, the expert helped students to understand the basic architecture of Data Warehouse and functionalities of Tableau. He then discussed the practical use of Business Intelligence tools in various domains, such as insurance and product distribution optimization. Students were encouraged to construct their own dashboard on Tableau. Using a functional dataset, step by step process required to construct a basic dashboard for the purpose of business intelligence were explained. Some of the major topics covered during this practical activity were; important chart types, calculated fields creation and dashboard creation.

Roadmap to 5G talk : A session was organised on 31st July 2020 to explain the theory behind 5G and the various techniques used in digital communication. Dr. Sanjay S. Pawar, principal of Usha Mittal Institute of Technology, SNDT Women's University, was the expert for the session. During the session, disadvantages of 4G, such as it's inability to carry out remote surgery, VR/AR, and the lack of function required for self-driving cars were discussed. Dr. Pawar then explained in detail the crucial pillars of 5G, namely, RAT - radio access technology, Small cell, which is used to enhance area spectral efficiency, MTC- Machine type communication, SON- self-organizing network, mmWave band, which is currently used for RADAR

and earth exploration, EE- Energy efficiency, SDN, and NFV and D2D: Device to Device communication. He stressed upon the security issue that 5G will bring about listing down Malware, Phishing, Password attacks DDoS, Man in the middle, Drive-by download and Malvertising as some front runners to this problem. He then explained the reason behind this soon to be a prevalent issue, explaining that connecting devices in these huge amounts will bring about privacy issues and heterogeneous access. A session helped students to gain better insight into the pillars of 5G, the companies associated and the challenges associated with the advent of new technology.

Academic Audit: The purpose of an academic audit is to encourage programs to evaluate their "education quality processes" - the key faculty activities required to produce, assure and regularly improve the quality of the teaching and learning process. The Academic Audit, is conducted every semester by IQAC and once in a year by an external expert recommended by IQAC cell and appointed by the Head Of the institute. The Internal Academic Audit for the Academic year 20-21, was conducted on 05th and 06th May 2021 for all programs. The Academic Audit focused on five elements, namely, Curriculum & Co-curriculum design, Learning Objectives & Outcomes, Teaching & Learning Process, Student Learning Assessment and Quality Assurance in Education. During audit, each auditor checked the respective faculty member's approach towards educational decision-making and the way they organized their work, using the resources available to them. It was highlighted that working collectively to provide a quality education in the best interests of the program and student learning is important.

Research Approval Committee (RAC) meetings & Annual Progress Seminar (APS) to monitor the progress of research scholars pursuing PG and PhD : Every six months, Annual Progress Seminars for Research Scholars are organised with the assistance of experts from different colleges. The college's RAC committee reviewed the reports and synopsis of the research scholars and offered various ideas for improvement.

Promotion of live ongoing projects : 9 teams under SAE, namely DJS Kronos, DJS Racing, DJS Karting, DJS Skylark, DJS Vagsheer, DJS karting, DJS Phoneix,, DJS Helios and DJS Miles designed, assembled and participated in various national and international competitions. These teams have excelled in various events and have brought laurels and accolades to the college.

Seminar on Database in Production Environment: A seminar on Database in Production Environment was organized on 3rd November 2020 for the

students of third year engineering with the goal to help them to understand the need and use of Databases along with other related technologies in the Production environment. Ms. Pooja Kulkarni, senior associate, Morgan Stanley was the speaker. She elaborated on the usage of Database systems and approaches, which industries have been using to design projects. Topics, such as Granularity and serialization were also discussed.

One Day Faculty development program on "Applications of Power Automate, Power Virtual Assistant for AI Educational Bot" : An online one day workshop on "Applications of Power Automate, Power Virtual Assistant for AI Educational Bot" was organised on 5th June 2020 for the faculty members of the institute. The objective of this FDP was to acquaint participants with the emerging trends in Education and keep them at pace with the growing influence of AI and automation in this field. Dr. Ramchandra Mangrulkar, Associate Professor in the department of Computer Engineering was the speaker for the workshop. He provided the participants with hands-on and practical based training on the use of Power Automate and Power Virtual Assistant tools. Integration of Power Automate and Power Virtual Assistant for creating AI Educational Bots were also explained.

Session on "Machine Learning: Optimization Techniques" : A session on "Machine Learning: Optimization Techniques" was organised on 15th April 2021 to familiarise the participants with various Optimization techniques and the latest trend/practices/ applications in Industry, specifically in Artificial intelligence and Machine Learning domain. Ms. Mansi Shah (Arya.ai) and Mr. Deekshith Marla (Founder and CTO, Arya.ai) were the speakers for the session. The speakers explained the usage of various technologies and approaches followed in industries and discussed their applications in ongoing projects.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.djsce.ac.in/IQAC/M_306

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

Our institute has a well-defined methodology to carry out the teaching learning process. It is reviewed periodically by the IQAC.

Course Files - Every teacher prepares the Teaching plan at the beginning of the semester for the courses, he/she is teaching. Teacher identifies the course material and understands the pre-requisites. At the beginning of the semester, teacher prepares the question bank and plans the assignments to be given during the semester. Internal audit is carried out to assess the CO-PO attainment. Audit takes note of the corrective action taken by the teacher to improve the results. Departmental Advisory Board (DAB) helps in identifying the gaps in curriculum and suggests actions to be taken by various subject teachers.

Faculty Training - Lot of efforts are made by IQAC to enhance the research culture in the campus. A number of e-journal are subscribed by the library. Teachers and students are encouraged to publish technical papers in reputed journals and conferences. Teachers are encouraged to take up Swayam courses, especially the NPTEL ones. They also use NPTEL videos to enhance the teaching learning process. Various faculty development programmes FDP and Short Term Training Programmes with approval from ISTE/AICTE are also conducted for the benefit of teachers.

Curriculum Development - The institution has a well-structured curriculum delivery plan. Each program has a Board of Studies, comprising of the academic and industry experts from renowned in sorority with the Head of the department (HOD), faculty members and alumni. This committee meets at the beginning of every academic year and provides suggestions for effective implementation of the curriculum. Several factors form the periphery of this process such as Preparation of Academic Calendar, Impact Analysis of overall teaching and learning process, Detailed dissection of the result etc.

Teaching and Learning - Students are engaged in higher order 'thinking' through group discussions, seminars, projects, presentations, experiments, project based learning, internship and application of ICT resources. ICT enabled teaching-learning processes, including development of e-learning resources by faculty makes the learning more creative and dynamic. Planning, dissemination, implementation and monitoring of Continuous Internal Evaluation (CIE) components are carried out with adherence to the academic calendar. Program Outcomes, Program Specific Outcomes and Course Outcomes are defined for all the programs and the methodology for attainment and evaluation is clearly established. Based on the attainment levels, add-on efforts are always identified for further improvements.

Examination and Evaluation - Institute has adopted outcome based system, in which continuous evaluation does play an important role. The assessment for course outcome based on various tools are carried out and the assessment is aligned with Program Outcomes (POs) & Program Specific Outcomes (PSOs), which are attained through course outcomes. Various tools are used for continuous internal evaluation, such as laboratory work, quiz, class test or case studies, assignments, tutorials, seminars and presentations, etc. All the internal evaluations are systematically carried out on the basis of rubrics. Departments along with the Student's chapters in collaboration with the Industry experts organize various programs such as workshops, seminars, hands on training programs and value added programs.

Research and Development - The departments of Computer, Mechanical and Electronics and Telecommunication Engineering offer Masters and Ph.D. programs. Students and faculty members carry out various projects in collaboration with the industry. Research grants are received from various government and non-government agencies for projects. International conferences are organised to provide opportunities to students and teachers to interact with researchers from all over the world. Proceedings of these conferences have been published by Springer. The management provides seed money for research projects, especially for various automobile and aviation competitions, wherein our students have excelled. In the last five years almost 350 research articles and 50 books have been published by faculty members. Lectures by industry experts are arranged in addition to the MoU the institute has with companies like TCS, among others. These help to facilitate a working and useful relationship between industry and academia. Internships are highly encouraged during summer breaks.

Industry Interaction / Collaboration - IQAC motivates faculty members to organize Industrial visits / workshops, as per their area of teaching to keep an update with current techniques as well as to instill a lifelong learning amongst students and faculty themselves. Internships (On campus projects consultation & implementation/ off campus industry premises) are organized for students to gain a practical insight and work culture of the industry. Students present their learning to the rest of the class and share their experience in the industry. They are also encouraged to take up industry problem statements, based or funded projects to learn project management principles.

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

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

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://djsce.ac.in/Images/djsceimages/NAAC/IQAC%202020-21.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Dwarkadas J. Sanghvi College of Engineering is very keen on promoting gender equity in its campus. The institute has taken following initiatives for the same.

1. Woman Development Cell -The institution has established a College Women Development Cell (CWDC) at the institute level to implement the directives in general and to deal with complaints/cases of sexual harassment in the institute, in relation to the college/institute. However, if any such complaint is in relation to the Management/Principal/Member of

the CWDC, the same shall be dealt with by the University Women Development Cell (UWDC). The office of the CWDC is in the college and the principal of the college is the custodian of all the records of the Cell.

2. **Pride Month Awareness** - The NSS unit of our college conducted "Pride Month Awareness" Programme for creating an awareness about the pride month and the LGBTQ+ community on the 30th of March 2020.
3. **'Samvaad Session-2: Mettle and Motivation'** - The NSS unit of the institute organised an interactive webinar "Samvaad Session-2: Mettle and Motivation", a talk with an ex-army officer, Capt. Dr. Sunaina Singh on 26th January 2021 on the occasion of 72nd Republic Day. More than a hundred participants participated to witness the epitome of womanpower.

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

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

D. Any 1of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

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

Waste is an obvious culprit and pollutant, contributing to landfills and toxins, which harm the earth's soil and atmosphere. DJSCE being environment conscious, actively promotes this understanding among its students and staff highlighting cleanliness and hygiene in the campus. Waste is managed through a systematic process, wherein the waste material is segregated into biodegradable and non-biodegradable wastes, and as toxic and non-toxic wastes in the laboratories and get them suitably disposed.

Dustbins marked in green signify wet waste, blue is for dry waste and red for sanitary waste. Papers no longer in use are preserved by the exam section and shredded at regular intervals in the academic year. The NSS unit of DJSCE actively spreads awareness about waste management through seminars and verbal campaigns.

DJSCE has a well-defined mechanism for waste disposal and sensitizes students and staff towards this through the following practices:

1. Solid waste - Every staffroom, classroom and lab have a dustbin. Additionally, every floor has dustbins for waste collection. DJSCE NSS students undertake Juhu beach cleanup drive every year after the Ganapati immersions. Paper shredding is done periodically (two years) by the examination section.
2. Liquid waste - Liquid waste includes wastewater generated by washrooms, regular cleaning & mopping and canteen wastewater.
3. E-Waste - E-waste collected at the site (Electronics, Electronics and communication and Biomedical engineering department) is transferred for recycling to the local vendors on yearly basis.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

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

C. Any 2 of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

<p>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</p> <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	<p>A. Any 4 or All of the above</p>
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File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

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

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>B. Any 3 of the above</p>
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File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

DJSCE is always proactive in providing inclusive environment in its campus. The institution took following initiatives in this context.

1. Atmanirbharta initiative - The NSS unit of DJSCE conducted "Atmanirbharta Initiative" from 20th May 2020 to 21st June 2020 to create awareness about promoting Swadeshi brands and local businesses by organizing a series of posts on different social media handles.
2. 'Samvaad-1: A Talk With The Brave' - The NSS unit of DJSCE organised a webinar 'Samvaad Session-1: A Talk With The Brave' on 20th September 2020 via Microsoft Teams to instil a patriotic spirit in the young minds. It was led by Lt. Cdr. Bijay Nair (retd.), a decorated Naval Officer.
3. Helping Hands - The NSS unit of DJSCE organised a donation drive at Aarey village on 17th January 2021. The donations for this drive were received by the 'Helping Hands' initiative, wherein volunteers were encouraged to donate clothing essentials and footwear.
4. DivyaDaan - The NSS unit of DJSCE organised a food donation

drive for needy kids on 12th January 2021 at Snehasadan orphanage, Jogeshwari (W) as well as in Borivali.

5. Sharing Warmth - The NSS unit of DJSCE organised "Sharing Warmth - A Blanket Donation Drive" at 7 p.m. at Juhu on 3rd February 2021.
6. Footprints: Strides of Support - The NSS unit of DJSCE arranged an online "Walk-A-thon" titled Footprints: Strides of Support on 16th February 2021. This event was launched by means of an application 'Impact'. The online event witnessed 215 participants and raised an amount of charitable donation of over Rs.17,000 by the volunteers. The event met its aim to evoke the importance of being fit and healthy with a motto to help the people in need.

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

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

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. Coronavirus guidelines - The NSS unit of DJSCE had taken a marching step towards creating an awareness of Coronavirus on the 18th of March 2020. This awareness drive provided an insight of the increasing spread of coronavirus. In such crucial times proper information regarding the virus is a must and providing an access to such an easy to follow and effective guideline was a life saver.
2. Blood Donation encouragement - The NSS unit of DJSCE spread awareness about blood donation on 26th March 2020 via various social media platforms. The dire need for blood donation campaigns was very apparent, especially after the announcement of nation-wide lockdown, which was imposed to curb the spread of the coronavirus.
3. Tree - Rooting for Environment - The NSS unit of DJSCE organized an online plantation event on 2nd August 2020, via Zoom Cloud Meetings. The event highlighted the importance of plants in our lives. The event commenced at 10:30 a.m. and was attended by 64 volunteers.

4. Online Voter's Registration Drive - The NSS unit of DJSCE organized an interactive session - '?????? ??????' ?????????????? ??????' from 27th March to 2nd April 2021 in collaboration with Mr. Chaitanya Prabhu, founder of Mark Your Presence. About 200 volunteers attended the webinar live on 27th April 2021, via MS Teams, from 5:00 p.m. onwards.

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

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

B. Any 3 of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	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. 'Guruvandan' - The NSS unit of DJSCE celebrated Teacher's Day,

5th September 2020 in a unique manner. Even in such tough times, teachers had given all the extra efforts to keep the productivity of all their students intact. To celebrate their high spirits and to humbly acknowledge the crucial role they play in shaping students' future. They curated short videos for all the teachers. All the volunteers made a short clip that consisted of a message written on a plain white sheet. The entire message was broken down into parts and was distributed among the volunteers. Later on, the short clips from volunteers were combined together in such a manner that it completes the message in that single video clip. Several such clips were formed with the similar message.

2. Independence Week (Pillars of Our Nation) - The NSS unit of DJSCE proudly celebrated the 73 Auspicious Years of Independent India by remembering the countless freedom fighters and revolutionaries, who strived and made heroic sacrifices to win us our freedom, with utmost gratitude and pride in our hearts. Being one of the ?????????? ??????????????, India has made stellar progress in all the fields. Independence Day is one of the most significant days in Indian history that reminds us of the bravery of our freedom fighters.

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

7.2 - Best Practices

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

<https://djsce.ac.in/Images/djsceimages/NAAC/7.2.pdf>

File Description	Documents
Best practices in the Institutional website	https://djsce.ac.in/Images/djsceimages/NAAC/7.2.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

DJSCE believes in providing a holistic education, ensuring that it is the key differentiator in today's ever-changing world. The college is committed to creating socially responsible engineers. A plethora of activities are conducted throughout the year under various chapters & clubs, that gives the students a professional environment and the chance to further excel, imbibing true spirit of oneness & upholding of ethical value system. These activities result in many of our students and their teams winning many National and International contests and competitions.

Being an Autonomous institute, in addition to the soft skills, we also offer Audit courses, namely "Indian Knowledge tradition" and "Constitution of India" and credit course "Universal Human Values" with an aim to create an awareness to be good citizens of India with proper individual role and ethical responsibility towards society. To inculcate the basic concepts of entrepreneurship and the process of self-learning and research required to conceptualize and create a successful product, a project based laboratory course "Innovative Product Development" was introduced with an aim to identify and address societal problems.

To provide job oriented skill based training to students, college has partnered with IBM and Coursera to offer Advanced Technology courses and provides training in courses like SAS, SAP, Lab View, Ansys, Antennas and CAD/CAM for the benefits of our students. Our Campus placement record is 100%.

During the lockdown period due to Covid19 pandemic, the entire Teaching Learning process was carried out very efficiently using MS Teams platform. Our institute has been consistently rated amongst the top 100 institutions of our country year after year by various ranking agencies.

File Description	Documents
Appropriate link in the institutional website	https://djsce.ac.in/Images/djsceimages/FE/F.Y.%20Tech.%20-%20Sem%201%20syllabus.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Next Year Plan of Action

Following are the activities planned for the AY 2021-22 to facilitate the overall growth of the institute.

1. Starting new branches in emerging areas like Artificial Intelligence & Machine Learning (AI&ML), Artificial Intelligence & Data Science (AI&DS) and Internet of Things & Cyber security with Block Chain Technology.
2. Training program for skill up-gradation of teaching staff by encouraging them to enrol in courses offered by IBM, SAS, NPTEL, Udemy, Coursera, Atal FDP etc.
3. Training program for skill up-gradation of non-teaching staff by providing them training on CNC machine, SAP, Oracle, Microsoft office etc.
4. To enhance student skill and increase their employability by offering them Value Added Programs (VAP) like ANSYS, Primavera, Solid Works, and CAD-CAM etc.
5. College plans to organize various workshops/seminars on emerging technologies and overall improvement of mental & physical health for teaching staff, non-teaching staff and students.
6. Improvement in Industry-Institute interaction.
7. Placement challenge: Increase the no. of placements, no. of companies and the package.
8. Increase in funding from agencies like AICTE, UGC & DST.
9. In-order to provide student internship in various core industries, college will organize internship fair.
10. Our academic calendar:
11. Sem-I: [https://djsce.ac.in/Images/djsceimages/professionalbodies/Academic%20Calendar%20-%20B.Tech.%20and%20M.Tech.%20\(A.Y.%202021-22\)_11.pdf](https://djsce.ac.in/Images/djsceimages/professionalbodies/Academic%20Calendar%20-%20B.Tech.%20and%20M.Tech.%20(A.Y.%202021-22)_11.pdf)
12. Sem-III: https://www.djsce.ac.in/Common/Uploads/HomeTemplate/C_Doc_Academic%20Calendar%20-%20Second%20Year%20B.Tech.%20Sem-III%20-%202021-22.pdf