



Yearly Status Report - 2019-2020

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	HARI VASUDEVAN
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02242335000
Mobile no.	9821464696
Registered Email	info@djsce.ac.in
Alternate Email	principal@djsce.ac.in
Address	Plot No. U-15, JVPD Scheme, Bhaktivedanta Swami Marg, Vile Parle- West
City/Town	Mumbai
State/UT	Maharashtra

Pincode	400056																		
2. Institutional Status																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	02-Jul-2019																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Dr. Vijayakumar Kottur N																		
Phone no/Alternate Phone no.	02242335032																		
Mobile no.	9869363683																		
Registered Email	vijaykumar.kottur@djsce.ac.in																		
Alternate Email	kotturvijaykumar@gmail.com																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://www.djsce.ac.in/Common/Uploads/TabbedContentTemplate/146_Down_AQAR%202018-2019.pdf																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.djsce.ac.in/Common/Uploads/ContentTemplate/175_Down_Academic%20Calendars%202019-20%20-%20S.pdf																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.18</td> <td>2019</td> <td>18-Oct-2019</td> <td>17-Oct-2024</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.18	2019	18-Oct-2019	17-Oct-2024
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.18	2019	18-Oct-2019	17-Oct-2024														
6. Date of Establishment of IQAC	13-Jul-2015																		
7. Internal Quality Assurance System																			

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Planning to apply for patents	15-Jul-2019 1	120
Planning to apply for Research grants from AICTE, UoM	20-Jul-2019 1	26
Session for training students to participate in project competition	02-Dec-2019 1	18
Session for training students to participate in project competition	12-Dec-2019 1	46
Effective Pedagogy in Class Room Teaching for Engineering Education	08-Jan-2020 1	48
Training on How to effectively explore Coursera courses	10-Jan-2020 1	110
Academic Audit	05-Mar-2020 1	140
Mock tests conducted to Improve Placement	30-Mar-2020 12	447
Improving teaching learning experience with Best practices	15-Jun-2020 4	50
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Vaibhavi Sonetha, Biomedical Engineering	SERB	Science and Engineering Research Board	2020 1095	900000
Dr. Prasad S. Joshi, Electronics	Minor Research Grant	University of Mumbai	2019 365	30000
Dr. Vaibhavi Sonetha, Biomedical Engineering	Minor Research Grant	University of Mumbai	2019 365	40000
Dr. Ramchandra Mangrulkar, Computer Engineering	Minor Research Grant	University of Mumbai	2019 365	15000

Prof. Kiran Bhowmick, Computer Engineering	Minor Research Grant	University of Mumbai	2019 365	20000
Dr. Atul Dhale, Production Engineering	Minor Research Grant	University of Mumbai	2019 365	60000
Dr. Mrunal R. Rane, Electronics	Minor Research Grant	University of Mumbai	2019 365	40000
Dr. Rashmi Kumar, Chemical	Minor Research Grant	University of Mumbai	2019 365	50000
Prof. Pradeep Talwelkar, Chemical	Minor Research Grant	University of Mumbai	2019 365	50000
Dr. Aparna Tamaskar, Chemical	Minor Research Grant	University of Mumbai	2019 365	50000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

2. Webinar on Patent Filing • The Second International Conference on Intelligent Manufacturing and Automation was held on 27th and 28th March 2020. After a thorough review process comprising of 28 eminent academicians and industrialists, 82 papers were finally accepted to be presented at the conference, amongst 181 research articles being submitted. Additional details of the book such as ISBN, etc. is available at <https://www.springer.com/gp/book/9789811544842> • The IETE-SF of D.J.Sanghvi organised the second year of ICWiCOM (International conference on wireless communication) held in the institution for the year 2019. The conference was held across two days on the 11th and 12th October. more than 100 papers were presented across eight sessions including, for the first time, 2 Skype sessions,

which was the highlight of this conference. • 2nd International Conference on Advance Computing Technologies and Applications ICACTA 2020 (www.djicacta.in) was jointly organised by Department of Computer Engineering and Information Technology on 28th and 29th of February 2020. The theme of the conference was "Intelligent Computing". The conference was organised to help the IT industry to derive the advances for next generation computing. It aimed to provide participants an opportunity to exchange new ideas and their research work, to establish business or research relations and to find global partners for future collaboration. The conference solicits original contributions in broad areas of various engineering and technology disciplines addressing Intelligent Computing theme but not limited to domains such as Linguistic Computing, Statistical Computing, Data Computing. All the papers presented in ICACTA 2020 have been submitted for publication with Springer in "Algorithms for Intelligent Computing" (<https://www.springer.com/series/16171>).

3. Improving teaching learning experience with Best practices of Lab Through MODROB scheme of AICTE • To create awareness about the role of educational videos for effective content delivery especially in the current scenario for making teaching learning experience more interesting, a One Week Online Faculty Development Programme on "Improving Teaching Learning Experience using Best Practices" was organized from 15th -20th June, 2020 by the Department of Information Technology. • The event was officially inaugurated by the Principal Dr. Hari Vasudevan, Dwarkadas J. Sanghvi College of Engineering, Mumbai (DJSCE). • He addressed the participants regarding the need of such an FDP especially as the teaching fraternity makes a move from F2F to online teaching. • The event was helpful in familiarizing the faculty members with innovative approaches to facilitate and assess learning and to expose to different techniques that can be used to evaluate teaching learning.

4. Mock Tests for students to improve placements • To enhance the quality of students and make them more work ready 3 Mock tests were conducted by Dr. Rajendra Khavekar, TPO. • The tests were helpful in performing the adaptive assessments, personality tests and simulation-based assessments. • The Tests were conducted for BE students in the period 30th March to 10th April 2020.

5. Coursera courses for students and staff • IQAC conducted a One-day workshop on "Life Long Learning" on 10th Jan, 2020. • Faculty members from all the Departments were present. • IQAC recommended to inculcate Coursera courses in the Academics in the form of Minor Degree which will help students in their future

1. Webinar on Patent Filing • With the objective to educate students about various laws about patent filing and other related processes, one day workshop was conducted on Patent filing by Adv. Anand Mahurkaron on 30th September, 2020. • The event gave insights about owning a patent and also the process of filing one, right from start to end . • The event also consisted of an informative QA session, where common myths were busted and queries were answered in depth. The event was attended by 125 participants in total with students, professionals and faculty from colleges and Organizations all across Mumbai through MS Teams Platform.

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

Plan of Action	Achievements/Outcomes
Planning to apply for Research grants from AICTE, UoM	Research grants sanctioned
Seminar conducted on How to apply for patents	Patents were published
To improve placements Mock tests were conducted	Maximum number of students participated and improvement in placement
Training teams to apply for NIRF and other surveys	Listed in top 250 colleges under NIRF Survey
Research Approval Committee (RAC) meetings & Annual Progress Seminar (APS) to monitor the progress of research scholars pursuing PG and PhD.	6 monthly progress evaluation is in place and few research scholars are awarded with PhD Degree
DJS ARYA -canister satellite team DJS Antariksh:	Participate in international competition at Virginia University, United States of America and stood 13th all over the world Team participated in European Rover Challenge
STTP on Improving teaching learning experience with best practice	Teaching learning process improved
Promotion of live ongoing projects on Racing Cars	9 teams participated in different National & International Events and won prizes
Coursera courses, NPTEL courses for students and staff	Many students and staff completed the courses
Preparation for project competition DJ Nirmati, DJ Strike, DJASCI, Avishkar	Students participated enthusiastically and improved skills
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Body	28-Dec-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	25-Aug-2019
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	20-Jan-2020
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17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>SAP ERP System is implemented, since Oct, 2010 to deal with various organisational functions such as: 1. SAP Human Resource Management Administration 2. SAP Materials Management Planning and Development 3. SAP Finance and Funds Management Finance and Accounts 4. SAP Project Management Planning and Development 5. SAP SLCM (Student Life Cycle Management) Student Admission support and Examination Results The main wheel of DJSCE is the SAP system, which provides integrated solutions and support not only for academic services, but also for student lifecycle management, financials, operations, human capital management, procurement and asset management. The entire admission process, records of attendance of students and faculty, examination related work and processing of results are carried out using SAP software. Information related to attendance of students is compiled on a weekly basis and sent to the parents through SMS and Email. Hence, SAP system serves as an effective, fast and paperless communication channel. Exam results are made also available on SAP. The SAP system plays an important role in the teaching and learning process. Student Portal (Learning management system) integrated with SAP as well as Student Portal Android Application, form a virtual interface between the teachers and the students. These applications were further enhanced in 2018 and the teachers now interact with the students over the Student Portal, which is developed inhouse.</p>

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	DJ19FE	Chemical Engineering	01/08/2019
BTech	DJ19FE	Electronics	01/08/2019

		Engineering	
BTech	DJ19FE	Production Engineering	01/08/2019
BTech	DJ19FE	Biomedical Engineering	01/08/2019
BTech	DJ19FE	Computer Engineering	01/08/2019
BTech	DJ19FE	Electronics and Telecommunication Engineering	01/08/2019
BTech	DJ19FE	Information Technology	01/08/2019
BTech	DJ19FE	Mechanical Engineering	01/08/2019
Mtech	DJ19CEPG	Computer Engineering	01/08/2019
Mtech	DJ19MEPG	Mechanical Engineering	01/08/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Chemical Engineering	08/07/2019	Workshop on Speed reading and Mind mapping. (CH1_19_20)	17/01/2020
BE	Electronics Engineering	08/07/2019	Workshop on Robotics - TRIGUNI 2.0 (ELX1_19_20)	10/08/2019
BE	Production Engineering	08/07/2019	One week training on ANSYS (PE1_19_20)	21/08/2019
BE	Biomedical Engineering	08/07/2019	Two day workshop on Proteus and Altium (BM1_19_20)	16/01/2020
BE	Computer Engineering	08/07/2019	Orientation on Advance System Security and Digital Forensics (CS1_19_20)	12/07/2019
BE	Computer Engineering	08/07/2019	Orientation on Cyber Security and	12/07/2019

			Laws (CS2_19_20)	
BE	Electronics and Telecommunication Engineering	08/07/2019	Workshop on MATLAB Software (EC1_19_20)	02/02/2020
BE	Electronics and Telecommunication Engineering	08/07/2019	Workshop on Antenna Design using Computer Simulation Technology Software (EC2_19_20)	05/03/2020
BE	Information Technology	08/07/2019	workshop for SE students on "Learning Database Connectivity" (IT_19_20)	22/08/2019
BE	Mechanical Engineering	08/07/2019	Aero-modelling workshop (ME_19_20)	28/09/2019
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Chemical Engineering	08/07/2019
BE	Electronics Engineering	08/07/2019
BE	Production Engineering	08/07/2019
BE	Biomedical Engineering	08/07/2019
BE	Computer Engineering	08/07/2019
BE	Electronics and Telecommunication Engineering	08/07/2019
BE	Information Technology	08/07/2019
BE	Mechanical Engineering	08/07/2019
Mtech	Electronics and Telecommunication Engineering	01/08/2019
Mtech	Computer Engineering	01/08/2019

Mtech	Mechanical Engineering	01/08/2019
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1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Introduction to Artificial Intelligence and Machine Learning	06/01/2020	183
Introduction to Data Analytics	06/01/2020	79
Introduction to Internet of Things	06/01/2020	8
Python Programming	06/01/2020	270
Training on ANSYS	21/08/2019	17
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Chemical Engineering	39
BE	Electronics Engineering	17
BE	Production Engineering	70
BE	Biomedical Engineering	33
BE	Computer Engineering	29
BE	Electronics and Telecommunication Engineering	28
BE	Information Technology	15
BE	Mechanical Engineering	30
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
Stakeholder Feedback The institution collects feedback from various stakeholders (students, teachers, parents, alumni, and employers). This feedback process is coordinated by a dedicated committee comprising of staff members. They collect and analyze the feedback and make suggestions to the management. Objective: The objective of this exercise is to correctly gauge the

impact of an institution's performance on various stakeholders and use this feedback to ensure continuous improvement. The trends are generated using the feedback analysis. Based on the findings of the analysis, further course of action is determined by the feedback committee. Methodology: • Feedback is collected from students through Feedback Forms in the middle of the semester. • Parents feedback is collected, whenever as and when they are called for the Open House or parent meetings. • Alumni Feedback is collected primarily during the alumni meets. • Feedback is collected from the faculty during the annual appraisals. • Employer Feedback is collected through the placement cell of the college. • The feedback committee collects all the inputs and suggestions from the stakeholders, analyze the data, discuss the findings with the departments and college authorities to decide the further course of action. Analysis: The data collected is compiled and analyzed. The results are shared with the departments, management and governing body for further inputs and guidance as it is taken forward for implementation. General Action Plan based on the data collection and analysis: • Annual Feedback Analysis and Corrective Action Report are prepared. • Review meetings are held by the departments, management and governing body to discuss the findings and feasibility of implementing the suggestions made in the report. • Corrective actions are taken, improvements are made and additional activities are planned as necessary.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Chemical Engineering	60	1938	58
BTech	Electronics Engineering	60	1938	60
BTech	Production Engineering	60	1938	35
BTech	Biomedical Engineering	30	1938	29
BTech	Electronics and Telecommunication Engineering	120	1938	125
BTech	Information Technology	60	1938	65
BTech	Computer Engineering	120	1938	129
BTech	Mechanical Engineering	120	1938	128
Mtech	Mechanical Engineering	18	5	2
Mtech	Computer Engineering	18	6	2

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2918	21	131	6	Nil

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
137	137	20	33	33	29
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Students mentoring system is available in DJSCE and the mentors are assigned to mentees in 1:20 ratio, approximately. Mentor is the first point of contact for every student to look upto, in case of any difficulty or issues faced by the students during their college life. Mentor has to ensure that the basic statutory needs of the mentees are fulfilled and that their teaching-learning process is maintained as per expected standards. Mentor conducts regular meetings with respective mentees to listen to their concerns about their social and personal life in the college. They share their achievements as well as their failures with mentor, who's duty is to provide counselling, wherever required and motivate students to pursue their short term and long term goals strongly. In case, if the mentee needs special attention for mental or physical health related issues, it is the responsibility of the mentor to first bring it to the notice of head of the department and to the mentee's parents, thereby guiding the mentee and his or her parents to specialist doctors available on campus, in case of emergency or for later treatments. Mentor is advised to take special care of weak students identified by the department on the basis on their Academic Performance, Communication and presentation skills (inadequate knowledge of English), Self Confidence, Lack of interest/motivation, interpersonal skills, etc. The LD PWD students require special attention and extra care and constant motivation as they face problems, while dealing with day to day activities during their college hours. They also need some psychological boost to sustain in the race. In order to cater to all these needs, mentor can request the concerned faculty member to conduct extra revision sessions for part of their course frequently. On the other hand, mentor has to be alert, while dealing with bright students, as they are always ahead of the average students of their class. They should be encouraged to showcase their talent by participation in various competitions, publishing their research work, taking up projects etc. Mentor also needs to keep record of all the achievements of bright students. Mentor has to keep track of academics of all the mentees throughout the four years of their program in the college.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2939	137	1 : 21

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
137	137	Nil	9	37

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers	Designation	Name of the award,
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	receiving awards from state level, national level, international level		fellowship, received from Government or recognized bodies
2019	Prof. Vishakha Kelkar	Associate Professor	Single Point Of Contact for Swayam-NPTEL local chapter
2020	Dr. Hari Vasudevan	Principal	Education Leadership Award from DYNERGIC Business Solutions
2020	Prof. Ameya A. Kadam	Assistant Professor	NPTEL Superstar
2020	Prof. Venkata A P Chavali	Assistant Professor	Best Paper Award
2020	Prof. Aruna Umesh Gawade	Assistant Professor	Avishkar Research convention 2019-20. District/zonal level research project competition
2020	Prof. Sejal Ameya Kadam	Assistant Professor	NPTEL Course Antenna Topper
2020	Prof. Mayur Parulekar	Assistant Professor	NPTEL Course Effective Engineering Teaching In Practice Topper
2020	Prof. Ramesh Rajguru	Assistant Professor	Avishkar Research Convection : 2019 -20
2020	Prof. Chetashri Bhadane	Assistant Professor	Best Paper Award
2020	Prof. Dr. Narendra Shekokar	Professor	Best Paper Award
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	Chemical Engineering	3	26/11/2019	21/12/2019
BE	Electronics Engineering	3	26/11/2019	21/12/2019
BE	Production Engineering	3	26/11/2019	21/12/2019
BE	Biomedical Engineering	3	26/11/2019	21/12/2019

BE	Electronics and Telecommunication Engineering	5	25/11/2019	21/12/2019
BE	Information Technology	5	25/11/2019	21/12/2019
BE	Computer Engineering	5	25/11/2019	21/12/2019
BE	Mechanical Engineering	7	23/11/2019	21/12/2019
BE	Chemical Engineering	7	23/11/2019	21/12/2019
BE	Electronics Engineering3	7	23/11/2019	21/12/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
3	2908	0.103

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://www.djsce.ac.in/Common/Uploads/ContentTemplate/160_Down_DATA_LINK.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
CH	BE	Chemical Engineering	74	74	100
EX	BE	Electronics Engineering	75	75	100
PE	BE	Production Engineering	70	70	100
BM	BE	Biomedical Engineering	34	34	100
EC	BE	Electronics and Telecommunication Engineering	146	146	100
IT	BE	Information Technology	77	77	100
CS	BE	Computer Engineering	148	148	100

ME	BE	Mechanical Engineering	142	142	100
M-CS	ME	Computer Engineering	2	2	100
M-ME	ME	Mechanical Engineering	2	2	100
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://www.djsce.ac.in/Common/Uploads/ContentTemplate/191_Down_Student%20Satisfaction%20Survey%20on%20Teaching%20Learning%20Process%20AY%202020-2021.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Dr. Amit Deshmukh, Prof. Vinit Katira, Prof. Ramnarayan Yadav, Prof. Shashikant Auti
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	Science and Engineering Research Board	9	5.85
Projects sponsored by the University	365	University of Mumbai	5.57	Nil
Major Projects	730	AICTE	3.51	2.8
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop on BioKit by Mr. Satish Jadhav	Biomedical Engineering	23/08/2019
Ethical Hacking Workshop	Electronics and Telecommunications Engineering	25/08/2019
Seminar on "Intellectual Property Rights Patent Filing"	Computer Engineering	31/08/2019
Ethical Hacking Workshop	Electronics and Telecommunications Engineering	01/09/2019
React Native Workshop	Electronics and Telecommunications Engineering	08/09/2019
Workshop on Ventilator by Maquet	Biomedical Engineering	22/10/2019
Spoken tutorial software (FOSS) Training Sessions	Electronics and Telecommunications Engineering	03/12/2019
FDP on Recent Trends in Technology	Computer Engineering	04/01/2020
ICACTA 2020	Computer Engineering Information Technology	28/02/2020
Guest Lecture by Mr. Tushar Postolwala, Mr. Mainkar and Ms. Aiswarya about various Value Added Programs	Biomedical Engineering	29/02/2020

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Implementation of Residual Network (ResNet) for Devanagari Handwritten Character Recognition	Dr. Vinaya Sawant	ICACTA-2020, DJSCE	28/02/2020	Best Research Paper
NPTEL Topper	Prof. Ameya Kadam	IIT, Bombay	15/12/2019	Microwave Engineering

Designing of Secured routing Protocol in IoT	Prof. Aruna Gawade	University of Mumbai	02/01/2020	Engineering and technology (certificate of participation)
NPTEL STAR	Prof. Ameya Kadam	IIT, Bombay	15/06/2020	NPTEL STAR
Improving Security of IoT Networks using Machine learning based Intrusion Detection System	Dr. N. M. Shekokar	ICACTA-2020	28/02/2020	Best paper in Track 2 of conference
Comparative Analysis of Hand Gesture Recognition Techniques: A Review	Prof. Kiran Bhowmick	ICACTA-2020	29/02/2020	Best paper in Track 1 of conference
Syt-Aj: Treating Lazy Eye using Virtual Reality	Prof. Neha Katre	ICACTA 2020	28/02/2020	Best Research Paper
International Conference	Prof. Venkata A P Chavali	SFIT, Mumbai	04/04/2020	Best paper for conference
Optimizing Reverse Image Search by Generating and Assigning Suitable Captions to Images	Dr. A. R. Joshi	ICACTA-2020	29/02/2020	Best Research Paper
Face Completion using Generative Adversarial Network	Prof. Purva Raut	ICACTA-2020	28/02/2020	Best Research Paper
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
ATAL INCUBATION CENTRE (SVKM)	E Cell DJSCE	SVKM's D J Sanghvi College of Engineering	Bech Daal	Online Delivery Service	01/07/2019
ATAL INCUBATION CENTRE (SVKM)	E Cell DJSCE	SVKM's D J Sanghvi College of Engineering	Neopark	Agri Tech	04/10/2019

ATAL INCUBATION CENTRE (SVKM)	E Cell DJSCE	SVKM's D J Sanghvi College of Engineering	New Normal Technology	Technology (Sanitization Product for Covid)	04/05/2020
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	2

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Engineering	17	6.46
International	Mechanical Engineering	9	Nil
International	Information Technology	15	6.48
International	Electronics and Telecommunication Engineering	8	Nil
International	Production Engineering	20	Nil
National	Electronics Engineering	4	Nil
International	Electronics Engineering	3	Nil
International	General Sciences and Humanities	5	6.3

[View File](#)

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Electronics Engineering	1
Biomedical Engineering	3
Electronics and Telecommunication Engineering	53
Computer Engineering	58
Information Technology	18
Mechanical Engineering	44

[View File](#)

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Title: SMART	Published	202021002151	24/01/2020

NETWORKED STREET
 LIGHTING SYSTEM
 USING NON-
 CONVENTIONAL ENERGY
 SOURCES Date of
 Filing: 17/01/2020
 Publication Date:
 24/01/2020 Field of
 Invention:
 ELECTRICAL
 Application Number:
 202021002151
 Inventors: Dev V.
 Savla, Ankit Rishi
 Gupta, Narendra M.
 Shekokar and Aruna
 U. Gawade
 Applicants: Dev V.
 Savla and Ankit
 Rishi Gupta

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
PUF Based Authentication for Secure Data Transfer In Smart Grid	Dr. Narendra Shekokar	International Journal of Advance Science and Technology	2020	0	DJSCE	Nil
Telemedicine System for Health Monitoring in Remote Indian Areas	Prof. Vivek Deodeshmukh	Proceedings of International Conference on Wireless Communication	2019	0	DJSCE	Nil
Investigation of the impact of the cutting parameters on surface integrity in the end milling of Inconel 625	Dr. Hari Vasudevan	Material science Forum	2019	3	DJSCE	3

Modified Ground Plane Multi-Band Rectangular Microstrip Antennas with Reduced Cross Polar Radiation	Prof. Poonam Kadam	Pier C	2020	1	DJSCE	1
DCT based reversible watermarking technique for Medical Images with improved quality of watermarked image	Prof. Vishakha Kelkar	Journal of critical reviews	2020	1	DJSCE	1
An Approach to FPGA based Implementation of Image Mosaicing using Neural Networks	Prof. Darshana Sankhe	International Research Journal of Engineering and Technology	2019	1	DJSCE	1
Integrated health monitoring disinfecting system for organizations and societies	Prof. Sheeja Nair	Sciendo	2020	1	DJSCE	1
Optimization of process parameters in the turning operations of Inconel 625	Dr. Hari Vasudevan	Material science Forum (Scopus Indexed)	2019	1	DJSCE	1

Analysis of stress and strain concentration factors on notched plate beyond yield point of the material	Dr. Vinayak Khatawate	Australian Journal of Mechanical Engineering, 2019, Vol.17, pp.76-89	2019	0	DJSCE	1
Optimization of Process Parameters in the Turning Operation of Inconel 625	Prof. Ramesh Rajguru	Materials Science Forum ISSN: 1662-9752, Vol. 969, pp 756-761, 2019 Trans Tech Publications Ltd, Switzerland	2019	0	DJSCE	1
View File						

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A comprehensive study and analysis of semi supervised learning techniques	Prof. Kiran Bhowmick	International Journal of Engineering Research and Technology	2019	5	Nil	DJSCE
Tapered Antenna Array with Non-identical triangular MSA Elements for FSLR Reduction	Dr. Amit Deshmukh	Wireless Personal Communication	2019	15	Nil	DJSCE
Optimization of process parameters	Dr. Hari Vasudevan	Material science Forum (Scopus	2019	9	1	DJSCE

in the turning operations of Inconel 625		indexed)				
Investigation of the impact of the cutting parameters on surface integrity in the end milling of Inconel 625	Dr. Hari Vasudevan	Material science Forum	2019	9	3	DJSCE
Air Quality Measure using Computer Visison and CCTV footage of Road Traffic	Prof. Kriti Srivastava	International Journal of Recent Technology and Engineering (IJRTE)	2019	5	Nil	DJSCE
A comprehensive study and analysis of semi supervised learning techniques	Dr.Meera Narvekar	International Journal of Engineering Research and Technology	2019	6	Nil	DJSCE
Deep Learning Application in Cyber Security:A Comprehensive Review ,Challenges and Future prospects	Dr. Ramchandra Mangrulkar	International journal of Engg.Applied Sciences and Technology	2019	8	Nil	DJSCE
Preventing cryptographic attacks in IoT using Lightweight P-Box Permutation Encryption	Dr. Narendra Shekokar	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	9	Nil	DJSCE

PUF Based Authentication for Secure Data Transfer In Smart Grid	Dr. Narendra Shekokar	International Journal of Advance Science and Technology	2020	9	Nil	DJSCE
Wideband Designs of Sectoral Microstrip Antennas Using Parasitic Arc Shape Patches	Dr. Amit Deshmukh	Pier C	2020	15	Nil	DJSCE
View File						

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	6	347	97	64
Presented papers	161	Nil	Nil	Nil
Resource persons	5	11	3	7
View File				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			
No file uploaded.			

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
No file uploaded.				

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Drive	DJNSS, Mahatma Gandhi Seva Mandir,	27	83

	Bandra		
Thalassemia Check-Up	DJSCE, Think Foundation, Lion's Club Juhu	14	550
Stem Cell Donor Registration Drive	DJNSS, Marrow Donor Registry India	11	445
Pride Month Initiative (Online Awareness Initiative)	DJSCE NSS	Nill	35
Mental Health Awareness Seminar	DJSCE NSS	7	153
Tree Plantation Drive	DJSCE NSS	2	129
Seminar on Career Opportunities in Indian Armed Forces	DJNSS, Mumbai University	4	117
Thanksgiving	DJSCE NSS	Nill	84
Orphanage Visit	DJSCE NSS	Nill	81
N.S.S. Orientation	DJSCE NSS	8	74
View File			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
CSI Academic Award at the forthcoming CSI Annual Convention 2020	Best Accredited Student Branch	Computer society of India	60
CSI Annual Convention 2020.	Longest Continuous SBC Award-Prof Vinaya Sawant	Computer society of India	60
View File			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Health Awareness- Fit India	Mumbai University	Run For Unity	Nill	4
Swachh Bharat Abhiyaan	DJSCE NSS, Mumbai University	Cleanliness In School	1	15

Voting Awareness	Mumbai University	Mattdaan - Ek Utsav	2	96
Janta Curfew	DJSCE NSS	Janta Curfew (Online Awareness Initiative)	Nil	37
Health Awareness- Fit India	DJSCE NSS, Mumbai University	Anti-Tobacco Pledge	Nil	45
Swachh Bharat Abhiyaan	DJSCE NSS, Mumbai University	Cleanliness Rally	1	56
Health Awareness- Fit India	DJSCE NSS, Mumbai University	Fit India Screening Launch	Nil	68
Swachh Bharat Abhiyaan	DJSCE NSS	Beach Clean-Up drive	3	114
Voting Awareness	DJSCE NSS, Project Mumbai	Voter's Registration Drive	5	96
Atmanirbharta	DJSCE NSS	Atmanirbharta (Online Awareness Initiative)	Nil	477
View File				

3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Research	Dr. Mrunal Rane and 3 students	Yashraj Biotechnology Ltd	730
View File			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Intern	PM Securities Pvt Ltd	08/08/2019	31/01/2020	Harsh Jain
Internship	Intern	FIGmd (India) Pvt. Ltd	09/12/2019	03/01/2020	Tejas Joshi
Internship	Backend Web development	Internshala, IIT BOMBAY	29/07/2019	19/08/2019	Jai Kotia

	and machine learning				
Internship	Intern as Student Developer	Google	29/07/2019	19/08/2019	Pujan Mehta
Internship	Research Intern	Medtronic India RD	05/07/2019	05/08/2019	Mudra Nagda
Internship	Intern as Software Developer	Fynd, Shopsense Retail Technologies	06/09/2019	15/12/2019	Shah Aditya
Internship	Python programming with project design	Cyberace Infovision Pvt. Ltd.	10/12/2019	15/01/2020	Abhishek Tripathi
Internship	Intern in production and Engineering dept.	Bennett Coleman Co. Ltd	09/12/2019	18/01/2020	Manoj Deo
Internship	CT , MRI , Cath-Lab , Gamma Camera , Ultrasound and their services	GE Healthcare	17/06/2019	17/08/2019	DESAI DHARA SANJAYKUMAR
Industrial training	Internship	ONGC	12/12/2019	16/01/2020	Rahul Nair
View File					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Springer Nature Singapore Pte Ltd	19/08/2019	Publishing Agreement , ICACTA 2020	70
Cloud counselage	02/03/2020	Problem statements and judges for Pitch please	60
Devfolio	28/01/2020	Platform for LOC Hackathon	364
Balsamiq	03/02/2020	LOC Hackathon Sponsor	364
Souled Store	03/02/2020	LOC Hackathon Sponsor	364
7th Heaven	03/02/2020	LOC Hackathon Sponsor	364
IBM	26/12/2019	Training Programs	270

Admit Abroad	21/01/2020	Seminar conduction	80
Changemakers	20/01/2020	Judges and mentors for CSI event and Problem statements	78
Eduaboard	02/03/2020	Seminar conduction	78
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
335	245.28

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Newly Added
Class rooms	Existing
Campus Area	Existing
View File	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Lib Automation (KOHA)	Fully	Null	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	25584	10475041	461	409355	26045	10884396
Reference	2506	151939	23	21545	2529	173484

Existing	811	18	5	811	2	32	749	200	0
Added	0	0	0	0	0	0	0	1800	0
Total	811	18	5	811	2	32	749	2000	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

2 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Google Classroom	http://classroom.google.com/MZ
Virtual Labs	http://www.djsce.ac.in/Common/Uploads
GATE	http://ezproxy.svkm.ac.in:2463
ASCE	http://ezproxy.svkm.ac.in:2462
NPTEL	http://ezproxy.svkm.ac.in2207/npTEL
Science Direct	http://ezproxy.svkm.ac.in:2054/user
springer	http://ezproxy.svkm.ac.in:2020/
IEEE	http://ezproxy.svkm.ac.in:2142/Xplore
ASME	http://Ezproxy.svkm.ac.in:2260
Mcgrawhill	http://Ezproxy.svkm.ac.in:2134
Pearson	http://Ezproxy.svkm.ac.in:2087/
PDF Drive	http://Ezproxy.svkm.ac.in:2133
South Asia Archive	http://Ezproxy.svkm.ac.in:2212
World E book Library	http://ezproxy.svkm.ac.in:2212

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
511.23	437.11	481.32	499.82

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

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 time table. 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 form 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. This is used by the members. 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 class rooms 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 through out the day.

https://www.djsce.ac.in/Common/Uploads/ContentTemplate/161_Down_facility%201.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nil	Nil	Nil
Financial Support from Other Sources			
a) National	In all 5 schemes as listed in data file	499	21798832.5
b) International	Nil	Nil	Nil

[View File](#)

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Seminar cum Workshop on designing the sustainable energy future	25/01/2020	130	Dr. Jayprakash Kurup Tejas Parmar
Language Lab	22/07/2019	134	Prof. Shirley Mathew, Prof Smita Rane, Dr. Anjali Samuel, Prof. Ranjeet Puyed, Khusbu Trehan
Workshop on Antenna Design using Computer	05/03/2020	140	Dr. Amit A. Deshmukh, Head of EXTC Department,

Simulation Technology Software			Sanjay B. Deshmukh, Prof. Poonam Kadam, Prof. Anuja Odhekar, Prof. Ameya Kadam, Prof. Venkata A.P Chavali, , Prof. Aarti C. Ambekar, Assistant Professors, EXTC Department.
Seminar on "Project Deep Blue"	09/08/2019	150	Mr. Akhil.Singhal, Mastek Mumbai
Coursera Online Courses	01/07/2019	589	Coursera.org
Mentoring	01/10/2019	2042	Conducted by the respective student group faculty incharge during the week
Soft Skills Training (Stress Management, People Management, Self Image)	08/08/2019	436	Prof. Shiny Nair
IBM Institute relation courses on Data science, IOT etc.	26/12/2019	270	IBM and D. J.Sanghvi College staff
Aero-modelling workshop	28/09/2019	200	SAE,DJS SKYLARK
Personal Couselling by psychiatrist, On Case by case basis	01/07/2019	159	Dr. Hoori Deshpande (Counsellor of the Institute)
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Swapneel Mehta, an alumni of Computer Department, conducted a session to guide	Nil	65	Nil	50

	students of TE IT for internships, placements and higher studies.				
2020	Collegepond GRE	60	Nill	41	Nill
2019	GATE & APTITUDE TEST Software by M/S Softtech International, S.No. 676/1A, Block no. 4, Digvijay Apartment, Bibvewadi, Pune - 411037, Mob - 9373287430	41	Nill	5	Nill
2019	GATE Software for Chemical Engineers, Unit Opration.com, CD 244, Sector I, Salt Lake, Kolkata 700064, Phone 03323593990	74	Nill	Nill	Nill
2019	A guidance session on Placement and Interview process was arranged for BEIT by Lekhraj Varshney, Parth Oza, Viraj Mehta, Akshen Kadakia conducted the session (Alumni IT Dept).	Nill	20	Nill	18
2019		Nill	747	Nill	437

	Preplacement Package (GD, Resume writing, case study, Personal Interview)				
2020	University of Memphis session	Nil	70	41	Nil
2020	Seminar on "Placements Guidance"	100	100	Nil	87
2020	CSI organized a one-hour seminar for SE and TE - IT students on 24th January, 2020. The seminar was conducted by Admit Abroad and was based on GRE and abroad education	80	80	Nil	Nil

[View File](#)

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Morgan Stanley, TCS DIGITAL, Worley, Deloitte, EnY, Quantiphi, JP Morgan Chase Co., LT Infotech, ZS	836	409	Diamines And Chemicals Limited, DIAGEO India Private Limited, Zeux Innovation, Amazon Development	28	28

Associates, etc.			Centre, Uber Healthcare Pvt Ltd., Javis Techno logies, Nivagti Builder Developer, etc	
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	B.E	Electronics & Telecommu ication Engineering	Sardar Patel Institute of Technology, Mumbai	MTech
2020	1	B.E	Computer Engineering	Dhirubhai Ambani Institute of Information and Communic ation Technology, Gandhinagar	MTech
2020	3	B.E	Electronics & Telecommu ication Engineering	University of Texas at Dallas	MS
2020	3	B.E	Electronics Engineering	Carnegie Mellon University	MS
2020	4	B.E	Computer Engineering	University of Washington, Seattle	MS
2020	1	B.E	Computer Engineering	Indian Institute of Management, Calcutta	MBA
2020	1	B.E	Biomedical Engineering	Narsee Monjee Institute of Management Studies, Mumbai	MBA
2020	1	B.E	Mechanical Engineering	K. J. Somaiya Institute of	MBA

				Management	
2020	1	B.E	Chemical Engineering	University of Toronto	MS
2020	1	B.E	Information Technology	University of Southern California	MS
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	6
CAT	6
GRE	135
TOFEL	88
Any Other	22
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Annual Sports day	Institute	600
Street Paly, Umang 2K19	Inter College, Mumbai	25
Street Paly, Spandan January 2020	Inter College, Mumbai	25
Street Play, SSEs Annual Cultural Fest Equilibria20 (Rangamanch)	National Level	25
Street Paly, Manzar, February 2020	Inter College, Mumbai	25
Street Paly, Verve, February 2020	Inter College, Mumbai	25
Street Paly, Symphony, February 2020	Inter College, Mumbai	25
Street Paly, Space, February 2020	Inter College, Mumbai	25
Short Film, Spandan January 2020	Inter College, Mumbai	10
Dance, Mosaic 2020, August, 2020	Inter College, Mumbai	9
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
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2020	Flame Kurushetra_2020(Football)	National	1	Nil	60005170113	Tanmay Ambre
2019	Street Play, Umang 2K19 (2nd)	National	Nil	1	60004180096	Sarvesh Navare
2020	SSE's Annual Cultural Fest Equilibrium'20(Rangamanch) (2nd)	National	Nil	1	60001180018	Harsh Shah
2020	Street Play, Spandan January 2020 (1st)	National	Nil	1	60004170102	Sarthik Bhat
2020	Short Film, Spandan January 2020 (2nd)	National	Nil	1	60013180013	Nidhi Panchal
2020	Street Play, SSE's Annual Cultural Fest Equilibrium'20 (Rangamanch) (2nd)	National	Nil	1	60001180018	Harsh Shah
2020	Street Play, Manzar, February 2020 (2nd)	National	Nil	1	60011180001	Aayush Sharma
2020	Street Play, Verve, February 2020 (2nd)	National	Nil	1	60004180084	Ritik Mota
2020	Street Play, Symphony, February 2020 (1st)	National	Nil	1	60004180024	Govind Thakur
2020	Street Play, Space, February 2020 (2nd)	National	Nil	1	60002180104	Shlok Sampat

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institute has an active Student Council and various Student Chapters. The following are the responsibilities of each of them: Presence of an active Student Council: The College has an active student council, which is responsible for organising Cultural, Technical, Sports and Literary events. They conduct the following activities: The institute conducts the annual festival named 'TRINITY' which is an amalgamation of Cultural, Technical and Sports events. Events like DJ's got Talent, Unveiling of the Mascot, DJ Night, and Traditional Day are some of the highlights of the Annual College Festival. IDPT is a part of TRINITY, which mainly consists of all departments engaging in a healthy competition to claim the title of the best department. These events give students an opportunity to develop leadership and team spirit. The technical committee organises events like Robo war, Robo racing, Hackathon, Share Market Simulator, Technical Seminars and talks on current and emerging technologies. The Sports Committee organises the Annual Sports event. The Core committees of all Student Chapters take part in the March past which is the highlight of the day. Students display their sportsmanship and athletic skills during the sports day. DJ LIT is a body of students from various departments, which organises literary activities in the college. Some of the notable events conducted are J.A.M and Quiz. Representation on the Academic Committee: Student Chapters: Student Chapters of professional bodies are established such as ACM, CSI, IETE, IEEE, ISME, RAS, ISHRAE, SAE, PACEMAKER and IICHE. Students under these professional bodies conduct several technical events such as paper presentations, seminars, guest lectures, workshops, project competitions and industrial visits etc. Departmental Advisory Board: 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 also on how to increase the employability of the students. Class representatives: Every class has one class representative. Informal feedback on teaching-learning processes like teaching, course content, study material and practical sessions is sought through meetings with the Class Representatives. Representation on the Administrative Committee: Students' feedback on Amenities: Maintenance committee addresses the grievances of students related to facilities in the classrooms, laboratories, library, cafeteria and washrooms. Suggestion box has been placed to report the grievances and any other matter. NSS Committee: NSS organises events to sensitize the students for the benefit of the community and underprivileged sections of the society. Students Grievance Committee: Students' Council of the college plays a vital role in this direction. Grievance related issues are sorted out at the desks of the Heads of the departments / Vice Principals/Principal. Women Development Cell: WDC is formed to look after women related (female staff and students) grievances. WDC also organizes programmes for the welfare of women employees and students. Alumni Association: Alumni Association is in place to strengthen the relationship between the alumni and the institute and also to enhance the long-term brand value of the institute through various collaborative means.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

5624

5.4.3 – Alumni contribution during the year (in Rupees) :

602000

5.4.4 – Meetings/activities organized by Alumni Association :

One (Annually)

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Decentralization in DJSCE is effected through the thirty two committees, which involve participation of each and every faculty member from every department. Admission Committee and Library Committee are detailed here. Special Efforts by Library Committee during Covid We have developed DJSCE LIBRARY WEBSITE in the month of MAY 2020 without the help of any website developer or IT person. All the information regarding open access journals, Books, Periodicals, list of subscribed databases etc. are 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 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 the various rounds of admission are displayed on the website. The eligibility criteria are followed strictly based on the guidelines laid down by the Admission Regulatory Authority. In addition to First Year Engineering admissions, the Admission Committee conducts lateral admissions to 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 appointed from all the 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 DTE. Carry out allotment of seats as per the merit and as per the preferences filled in by the candidates. Carry out actual admission process including registration, fees acceptance and confirmation of admission. Display of vacancies and conduct of counselling round for filling the vacancies.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	<p>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 A] Preparation of Academic Calendar B] Instructional Method: Use of Smart Board in class with interactive platforms such as Student Portal and Microsoft Teams C] Impact Analysis of overall teaching and learning process Program and Course exit form filled by the learners and a detailed dissection of the result Feedback of faculty members is taken twice, once after first term test and second one online at end of semester. Identification of weak and bright learners</p>
Teaching and Learning	<p>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.</p>
Examination and Evaluation	<p>Institute has adopted outcome based system, in which continuous evaluation</p>

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. 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.

Library, ICT and Physical Infrastructure / Instrumentation

Manubhai P. Sanghvi Knowledge Centre, the Library of DJSCE is facilitated with 32 computers, reprography Wi-Fi network connection. Library has a fully computerized database circulation system. There are about 81,300 books, including e-books, 91 Printed journals magazines (National International) and 4 online databases. Ezproxy access to books, journals, databases from outside the DJSCE LAN network, current awareness Service/ New Arrivals, semester wise Orientation, Inter

Library Loan amongst the various institutes of the parent body apart from the basic Internet Access facility to Students Staff are some of the highlights of our Library. ICT enabled teaching-learning processes, including development of e-learning resources by faculty makes the learning more creative and dynamic. DJSCE has a well-equipped infrastructure, which includes air conditioned classrooms, laboratories, library, etc. and the entire campus is Wi-Fi enabled. The college has smart classrooms/Tutorial Rooms/Seminar Halls/Conference Rooms. A Training and Placement Cell (TPC) functions throughout the year to address the placement and internship concerns of the students.

Human Resource Management

SAP ERP System is implemented since Oct 2010 to deal with Human Resource Management. Casual Leave, Medical Leave and EPF are automated online using the oracle system and updated in the SAP. Employee's salary will be credited in the bank account directly. Pay slips are issued to the employees every month. The Registrar is the Head of the non-teaching staff. As an example following norms of GST, separate numbers ranges are created in SAP system for taxable and non-taxable collection, with state wise. GST Returns includes students Invoices.

Industry Interaction / Collaboration

Industrial visits / workshops are regularly organized by the faculty members, 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.

Admission of Students

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 the various rounds of admission are displayed on the website. The eligibility criteria are followed strictly based on the guidelines laid down by the Admission Regulatory Authority. In addition to First Year Engineering admissions, the Admission Committee conducts lateral admissions to second year (for diploma holders). The admission notice for this entry is similarly published in newspapers, college notice board and on the website.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
<p>Planning and Development</p>	<p>a. Attendance upload feature on SAP student portal by instructors. During the pandemic situation, classes were conducted on MS TEAMS platform and after each class instructors downloaded attendance sheet from MS TEAMS. Provision was done in SAP for allowing upload of attendance file downloaded for each class to update student's attendance in SAP system. b. Faculty workload report developed in SAP system, which gave faculty wise total lectures, allotted and conducted status. c. Faculty report for list of courses allotted during the academic year was modified to display additional information and data in terms of Sessions for DJSCOE d. Report developed to display list of lectures for which attendance entry was pending for college authorities monitoring purpose. e. Excel upload program for module and event booking activity was developed and deployed for DJSCOE during this year. f. Audit report to display semester wise subject information with category/evaluation scheme/subject name/credit etc modified with smart form option. g. Student movement report to display progress of students from Semester 1 to Semester 8 for any batch was developed and deployed. h. Student count report modified to display program wise semester wise gender wise count of students.</p>
<p>Administration</p>	<p>Module booking is carried out for every student according to their Programme specialization and discipline. Student Accounting, taking care for all financial tractions of the</p>

	<p>student, from Admission to Refund generation on cancellation, or after Alumina, giving all types of services.</p> <p>On each development, sending user manuals to the users. Hands-on training is also provided, and support to users. Students are also using portal for the fees payment. There is a report to tally the amount of fees paid by the candidate. This report also has the MS team login creation format for verification of documents.</p>
Finance and Accounts	<p>The Payroll module of SAP ERP system provide Filing of TDS returns Generation of 12BB Generation of various salary related reports (bank statement, salary register, provident fund report) FI Accounting Processes developed for Partial payments for an invoice item and partial clearings of down payments</p>
Student Admission and Support	<p>Institute Quota Online Application is done through Portal CAP Quota is done through direct link (and validation is done with CET Application ID) Institute Quota CAP Vacancy is done through Portal. Document Verification is done through MS Team Online SAP ERP involves sending fee receipts to students, parents and save as PDF, that will more helpful for students, without standing in que for the collection of receipts, that will save lot of stationary and ultimately saves environment.</p>
Examination	<p>Student Portal created in SAP for interaction with the instructor in terms of learning resources, Assignments, Lab Manuals. A special ICA module is created which helps direct uploading the internal and the laboratory marks of the students.</p>

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Dr. Narendra Shekokar	IEEE International Conference, ICIM 2020, London	Nil	43000
2020	Rajendra	Global	Nil	3850

	Khavekar	Conference on Advanced smart and sustainable Technologies in Engineering(GCA SSTE-2020)		
2019	Ameya Kadam	2nd Indian Conference on Antenna and Propagation, Incap 2019, IEEE GUJARAT SECTION, Ahmedabad 2019	Nil	9335
2019	Sanjay Deshmukh	2nd Indian Conference on Antenna and Propagation, Incap 2019, IEEE GUJARAT SECTION, Ahmedabad 2019	Nil	18937
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	International Conference, ICACTA 2020	International Conference, ICACTA 2020	28/02/2020	29/02/2020	12	4
2020	Nil	Effective use of IT and Security Services During COVID-19	02/06/2020	04/06/2020	Nil	4
2020	Nil	Effective Use of Microsoft Office 365 Applications	09/06/2020	11/06/2020	Nil	4
2020	International Conf	International Conf	28/02/2020	29/02/2020	21	2

	erence, ICACTA 2020	erence, ICACTA 2020				
2020	Advance computing communication technologies for industry 4.0 by DJSCE	Nil	12/06/2020	13/06/2020	21	Nil
2020	Faculty Development Program on Recent Trends in Technology	Nil	04/01/2020	04/01/2020	17	Nil
2020	Webinar on Recent Trends in Microwave Engineering and Internet of Things	Nil	06/06/2020	07/06/2020	165	Nil
2019	ICWiCOM (International conference on wireless communication) held in the institution for the year 2019	Nil	11/10/2019	12/10/2019	120	Nil
2019	Faculty Development Program on Wavelets.	Nil	02/08/2019	03/08/2019	11	Nil
2020	AICTE Approved Faculty Development Program on Adaptive Signal Processing	Nil	07/01/2020	11/01/2020	27	Nil

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the	Number of teachers	From Date	To date	Duration
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professional development programme	who attended			
Introduction to Internet of Things NPTEL	1	01/06/2020	01/12/2020	84
Introduction to Industry 4.0 and Industrial Internet of Things NPTEL	1	01/06/2020	01/12/2020	84
The Joy of Computing using Python NPTEL	1	01/01/2020	01/04/2020	84
Antennas NPTEL	1	01/01/2020	01/04/2020	84
An Introduction to Artificial Intelligence	1	07/06/2020	07/07/2020	84
Data Mining (NPTEL)	1	01/01/2020	01/04/2020	84
Mathematics for ML Specialization by Imperial College, London offered through Coursera	1	26/03/2020	10/05/2020	105
Deep Learning Specialization by deeplearning.ai offered through coursera	1	27/03/2020	30/03/2020	112
Machine Learning by Stanford University, offered through coursera	1	16/03/2020	01/04/2020	77
11 weeks online course on Machine Learning	1	01/04/2020	01/07/2020	77
View File				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
9	9	Nil	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>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 and Rs.2,500/- pm for supporting staff. The Management has also the 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 50000 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 employee is 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 one lakh is being provided by the management to the employee and his/her</p>	<p>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.5,000/- pm for non-teaching employees and Rs.2,500/- pm for supporting staff. The Management has also the 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 50000 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 employee is 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 one lakh is being provided by the management to the employee and his/her</p>	<p>The Innovation Centre provides several opportunities to students to take up innovative research projects for optimum utilisation of their technical. The Counselling Centre for Higher Studies offers guidance to the students interested in pursuing higher education. The centre organizes lectures / sessions by alumni and experts from the field of higher education to help them in securing admission to their dream institutes / universities. Students are awarded various government and SVKM scholarships to motivate them to work hard and keep up with the institute's academic goals. Industry training, workshops and industrial visits are organized for the students to keep them updated with the current trends in their respective fields, so as to bridge the gap between academics and industry. Students aspiring for higher education are provided with career counselling. Facilities like GATE software, workshops and seminars for competitive exams like GRE/TOEFL/CAT are also available. The institute also has a committed team of trainers to train students in soft skills and English language proficiency with a well-equipped language lab. DJSCE also arranges remedial coaching for the students to get their queries resolved during the improvement week.</p>

family. Leave Travel Concession: The 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. Link: http://www.djsce.ac.in/Common/Uploads/ContentTemplate/83_Down_Mandatory20disclosure2

0Appdx.10_26122018.pdf
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. 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 research papers pan India and also at conferences abroad. Maternity leave of 180 days is sanctioned for the female employees. Paid leave for critical

family. Leave Travel Concession: The 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. Link: http://www.djsce.ac.in/Common/Uploads/ContentTemplate/83_Down_Mandatory20disclosure2

0Appdx.10_26122018.pdf
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. 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 research papers pan India and also at conferences abroad. Maternity leave of 180 days is sanctioned for the female employees. Paid leave for critical

DJSCE has an active student council, which is responsible for organising various cultural, technical and sports events. Students are also encouraged to participate in various national and state level extracurricular events.

DJSCE has student chapters of various professional bodies like ISHRAE, ISME, CSI, IEEE, ACM, PACEMAKERS, SAE, IETE, IICHE and RAS.

illness for one year is sanctioned in the case of confirmed employees as per the need.

illness for one year is sanctioned in the case of confirmed employees as per the need.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institute conducts internal and Statutory Audit, as per stipulated provisions of the Income Tax Act. The parent trust appoints the auditors with 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.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Shri Vile Parle Kelvani Mandal (SVKM), Toolex International, Hindustan Petroleum Corporation Limited, GIC Re, Emars Events Shows Pvt.ltd, Auxilo Finserve Private Limited Company	3825300	CANSAT AIAA Competition , DJ Kronos, DJ Racing, DJ Skylark, Travel Grant for Skylark, DJS KARTING, DJS Speedsters,
View File		

6.4.3 – Total corpus fund generated

3430300

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Expert academicians from other institutions	Yes	Internal Academic Audit Committee
Administrative	Yes	Kishore A. Parikh Co.	Yes	Bhavik K. Gandhi

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

During the design process of Course Outcomes of every engineering programme in our institute, parents are invited for discussion. Parents are one of the important stakeholders, who share their views, give valuable suggestions and opinions as far as various aspects to strengthen the teaching learning process is concerned. This helps the Institute to address the areas seen from different perspectives, resulting in the improvement of the quality of teaching learning process. In addition Parent's feedback for academic and administrative concerns is collected, as and when they are called for the Open House or parent meetings.

6.5.3 – Development programmes for support staff (at least three)

The management has continual training programmes for support staff for the Oracle Platform "Parivartan".

- SAP Operation and Training Proficiencies: Student Lifecycle Management Academic Structure: Module Booking (Program Content), Registrations, Academic Calendar Academic Records: Assessment processes based on module bookings Student Records Coordinator: Progression and Grades
- Smart Board Installation and Maintenance: July 2019
- Maintenance of PC's and their in-house upgradation: September 2019
- Enhance performance of Windows in your Computer: September 2019
- Garnish the technological Skills: Office 365- Outlook OneDrive, Excel Pivot Tables and Advanced PowerPoint
- Course on "Effective Use of IT and Security Services during COVID 19" from 2nd June 2020- 11th June 2020
- Effective Use of Microsoft Office 365 Applications, Dept. of IT, 9th-11th June 2020

6.5.4 – Post Accreditation initiative(s) (mention at least three)

- To cater to the demand of Data scientists and Data engineers in the society, the institute decided to introduce AICTE approved new branch in the field of computer science and engineering with Data Science specialisation. The branch has a blend of basic computer engineering, mathematics, statistics, data engineering, data analytics and knowledge of application areas. The curriculum is being designed with the help of eminent personalities from academics and experienced industry personals in the field of data analytics from India and abroad. The journey of syllabus preparation started since June 2019.
- Faculty members have also revised the attainment level and modified the existing rubrics for subsequent implementation.
- The institute has made a mandatory practice for faculty member to register for NPTEL/Coursera / Online certification courses.
- Dr Ram from IIT Mumbai conducted a session for teachers on "Effective Pedagogy in Class Room Teaching for Engineering Education".
- IT department conducted an FDP on "Improving teaching learning experience with Best practices"

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	To improve placements Mock tests (3) conducted	30/03/2020	30/03/2020	10/04/2020	152

2020	Academic Audit	05/03/2020	05/03/2020	05/03/2020	140
2020	Webinar on Recent Trends in Microwave Engineering and Internet of Things	06/06/2020	06/06/2020	07/12/2020	90
2019	Planning to apply for patents	15/07/2019	15/07/2019	15/07/2019	55
2020	Improving teaching learning experience with Best practice	15/06/2020	15/06/2020	19/06/2020	50
2020	Effective Pedagogy in Class Room Teaching for Engineering Education	08/01/2020	08/01/2020	08/01/2020	48
2020	Coursera courses	10/01/2020	10/01/2020	10/01/2020	45
2020	FDP on Scilab Spoken Tutorial IIT Bombay	26/05/2020	26/05/2020	30/05/2020	28
2019	Planning to apply for Research grants from AICTE, UM	20/07/2019	20/07/2019	20/07/2020	26
2020	Advance computing communication technologies for industry 4.0 by DJSCE	12/06/2020	12/06/2020	13/06/2020	21
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Bosco Boys	21/07/2019	21/07/2019	50	50

orphanage and SnehaSadan Girls orphanage visit				
Sanitary Napkins distribution	29/12/2019	29/12/2019	50	Nil
Mental Health awareness seminar	31/01/2020	31/01/2020	36	40
Thalassemia check-up	11/02/2020	11/02/2020	230	237
Stem cell donor registration drive	03/03/2020	03/03/2020	190	172
Celebrating Women Day	08/03/2020	08/03/2020	190	Nil
Social media addiction workshop for Faculty	16/03/2020	16/03/2020	47	15

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
<p>DJSCE firmly believes that 'Energy conserved is energy saved'. As an endeavor towards this cause, awareness is promoted among students and staff through prominent posters displayed in the campus and the classrooms. Students are counseled about various ways in which they can contribute towards conserving energy. As the SVKM DJ Sanghvi college of engineering is replaced all conventional lights (tubes and bulbs) by LED tubes and bulbs. The power consumption is very much reduced. The Electricity Bill is almost reduced by 44. SVKM is planning to install solar power generation on the roof of new building .This is a major achievement towards our mother earth. We maintain green and clean campuses under the initiative of NSS areother small strides towards the environment. Moreover, waste and e-waste from the chemical laboratoriesand other laboratories respectively are managed following standard procedure. In D J Sanghvi College Engineering NSS students organized a cleanliness rally in which various banners related to sanitation were created and emphasizing the importance of cleanliness among the people. In the final year Electronics and Telecommunication engineering at Sem -VII Institute Level elective, Energy Audit and Management course is included. (https://www.djsce.ac.in/Common/Uploads/TabbedContentTemplate/135_Down_R2016_BE_MU_EXTC.pdf) Total Lighting requirements : 172587KWh Percentage Lighting through LED bulbs : 80884KWh (46.80) Percentage Lighting through other sources Renewable energy : 0KWh</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	No	Nil

Rest Rooms	Yes	1
Scribes for examination	Yes	1
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	1	1	10/02/2020	1	Blood donation drive	Organised Blood donation camp	819
2019	1	1	11/07/2019	1	Anti-tobacco	Say no to tobacco	45
2019	1	1	28/07/2019	1	Tree plantation drive	Planted 120 saplings	132
2019	1	1	18/08/2019	1	Cleanliness drive at kalina campus	Cleaned streets	100
2019	1	1	19/08/2019	4	Flood relief donation drive	Transported essential items to Kolhapur Sangli in collaboration with NAMO foundation.	50
2019	1	1	29/08/2019	1	Beach Cleanup drive	Cleaned JUHU beach	70
2019	2	1	10/10/2019	3	Food Donation Drive	Rations were distributed at two places. Snehasadan Orphanage	30

						, Jogeshwari and the slums surrounding Borivali railway station	
2019	1	1	28/12/2019	1	Street Play: Blind Faith, Sanitization and Importance of education	This created awareness in the schools of Ambewadi and Narpad	25
2019	1	1	29/12/2019	1	Sanitary Napkins distribution	Free health check up and distributed napkins to womans of the village Ambevadi	150
2020	1	1	01/01/2020	1	Library Installation	The NSS unit of Dwarkadas J. Sanghvi College of Engineering installed a library in the school premises of the Ambewadi Zilla parishad school	50

[View File](#)

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Exam Guidelines for students	02/09/2019	As a part of ethics training, students have been well informed about the examination guidelines and rules of attendance, discipline in the examination hall,

		<p>progression rules, procedures regarding Unfair Means and conduct of Examinations. Kindly copy the following link in the browser to access the document. https://www.djsce.ac.in/Common/Uploads/ContentTemplate/150_Down_Exams20Manual.pdf</p>
<p>Human Values and Professional ethics</p>	<p>12/08/2019</p>	<p>D. J. Sanghvi College of Engineering aims at quality-based education and holistic development by imparting human values and professional ethics along with technical knowledge. Students in Semester V are introduced to various interpersonal skills which help them develop empathy, co-operation and integrity and achieve a win-win situation for all. The learners are made to engage in group activities and role plays to make them understand the importance of professional ethics. Case studies presenting ethical conflicts are given for discussions in groups and participants are asked to come up with a unanimous decision by overcoming conflicting values and choosing a moral response.</p>
<p>Stress management workshop with DJSCE Professors</p>	<p>12/07/2019</p>	<p>We conducted a workshop on Stress Management using Relaxation Techniques at DJSCE for its professors. Many faculty from Computer Engineering, IT and EXTC attended the session. Two main aspects of the session were: - Internal Stressors: what is it about us that makes us feel stressed - Relaxation techniques: The participants were made to experience relaxation techniques in</p>

		<p>the session which can be done anywhere anytime.</p> <p>The workshop was well received and some of the feedback is pasted below,</p> <p>I am also attaching photos of the session. If any department would like to organize or professors if you are interested in having this session for your department please get in touch with me. We can arrange now or in January.</p>
<p>Awareness Theme February 2020: Self Love</p>	<p>14/02/2020</p>	<p>This month's awareness theme is based on practicing Self-Love. I find it amusing as to why do we need to tell ourselves to love ourselves. That should be something we do naturally right? Yet daily I have students who can't say no as they fear rejection, then they have self-esteem issues in turn they feel angry which is self-directed and many end up engaging in self-harm. A student comes to me with anger but inside he is insecure! A student comes to me for anxiety but deep down they are harsh with themselves and highly self-critical!</p>
<p>Indian Knowledge Tradition FE SEM-I Audit course</p>	<p>01/01/2020</p>	<p>We have introduced this course at First year Engineering. The objectives of the course are 1. To impart knowledge about basic principles of thought process, reasoning and inferencing. 2. To make students aware of Indian Traditional knowledge Systems connecting society and nature. 3. To acquaint students with holistic life style of yogic science and wisdom in modern society with rapid technological advancements and societal</p>

disruptions. Kindly copy the following link in the browser to access the document. https://www.djsee.ac.in/Common/Uploads/TabbedContentTemplate/122_Down_Sem20120syllabus20final.pdf

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Blood Donation drive	10/02/2020	10/02/2020	819
Thalassemia Check up	11/02/2020	11/02/2020	467
Stem Cell Donor Registration drive	03/03/2020	03/03/2020	362
Tree Plantation Drive	28/07/2019	28/07/2019	130
Orphanage Visit	21/07/2019	21/07/2019	100
Cleanliness drive at Kalina Campus	18/08/2019	18/08/2019	100
Flood relief for Kolhapur-Sangli	19/08/2019	22/08/2019	100
Beach Clean-up drive	29/08/2019	29/08/2019	100
Food Donation Drive	10/10/2019	12/10/2019	100
Newspaper Collection drive	20/10/2019	20/10/2019	100

[View File](#)

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. As part of SAE student chapter project, students faculty of Department of Mechanical and Production Engineering Department have built solar products like solar car, solar tricycle and battery operated motorbike to promote the use of solar energy and discourage use of gasoline based fuels. 2. NSS unit of our college has registered under "Green Army" of the Government of Maharashtra. 3. The primary area of the college building is a six-storied building with windowpanes for natural light and high roofs for cooling. College construction allows for natural ventilation and lighting in major areas of the building. Use of LED lights, maintaining air-conditioners at optimum temperature of 24 deg C., which helps to conserve the energy demands. 4. Bus Stop is within walking distance from the campus entrance. Metro station and local railway station are within 2KM distance from the campus. Around ninety five percent of the students and staff use metro and local railway to commute to the college. 5. Waste paper in the college is shredded using paper shredder machine periodically. 6. There is a functional and active NSS that involves in various awareness programs and other events at regular intervals. Through NSS, the college has organized activities such as Swachh Bharat Abhiyan, Tree plantation drives and Beach clean-up every year to spread the concept of sustainable development and the importance of environment management and conservation. Practice of giving out and planting pots saplings as souvenirs at various college events is also

followed. 7. Hi speed internet Wi-fi facility and SAP system are available for paper less practice. 8. Paperless office: Most of the administrative work carried out is paperless. Except the documents like statutory approvals, agreements, account statements and others dealing with legal matters only electronic documentation is maintained. 9. Tree plantation drives by all the students under NSS. 10. All communications to faculty members (such as Salary slips) and students (attendance records) are through e-mails. 11. All Second year and third results are displayed on the portal. 12. Student's faculty feedback is taken on the portal.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice I Title of the practice: Activity Based Learning One of the notable best practices of Dwarkadas J. Sanghvi College of Engineering has been Activity Based Learning. Goal The institution is committed to providing a holistic teaching-learning environment to its students that goes beyond the standard curriculum by means of various co-curricular activities based learning, aided by this practice helps in realizing knowledge, application and skill based understanding. The Context The institution takes pride in empowering the students through "Activity Based Learning". The college faculty and students have responsibly engaged in different and sometimes challenging circumstances, fulfilling their role in realizing knowledge, application of knowledge and skill based understanding. Such activities have given impetus to experiential learning and added enthusiasm in student community. They have also contributed to enriching and expanding the quality of academic work across various specializations through valuable experience and insights gained by means of these activities. The Practice College's philosophy of education emphasizes on inculcating innovative thinking and problem-solving skills into the students through activities like, Automobile Design and Manufacturing, Hackathon, Robotics, Project Competition, Workshops, Guest Lectures by industrial experts eminent professors and Industrial Visits etc. Each programme has at least one student chapter of professional national/international bodies and the college has a total of 10 student chapters, which have been conducting these activities, with specific emphasis on Activity Based Learning. These student chapters of eight programmes of engineering are listed below:

1. Department of Mechanical Engineering - (i) Society of Automotive Engineers (SAE) (ii) Indian Society of Heating, Refrigeration and Air-Conditioning Engineers (ISHRAE) (iii) Robotics and Automation Society (RAS)
2. Department of Production Engineering - Indian Society of Manufacturing Engineers (ISME)
3. Department of Biomedical Engineering - Pacemaker
4. Department of Chemical Engineering - Indian Institute of Chemical Engineers (IICChE)
5. Department of Computer Engineering - Association for Computing Machinery (ACM)
6. Department of Electronics Engineering - Institute of Electrical and Electronics Engineers (IEEE)
7. Department of Electronics and Telecommunication Engineering - Institution of Electronics and Telecommunication Engineers (IETE)
8. Department of Information Technology - Computer Society of India (CSI)

Best Practice II Title of the Practice: Improvement in Engineering Pedagogy through Faculty Development Programmes / Coursera Certification Courses The quality of academic teaching is decisively determined by the qualifications and competencies of the teaching staff, which also include engineering pedagogical capabilities. Goal The institution has increasingly focused their attention on the pedagogical training programmes for the teaching staff. These programmes have been aiming for an understanding of engineering pedagogy, the purpose of which is the targeted design of technical and technologically specific teaching and learning. The Context For students in engineering science courses, a future engineer's ability to accomplish social communicative processes in modern structures of technology and service has become a focal point of engineering

pedagogical considerations. Thus, the focus of this view of engineering pedagogy is the development of teaching concepts for the preparation of future engineers for their leadership roles in changing structures of technology and service. The Practice The prime task of the institution is to provide academically trained professionals. This approach improves the quality of academic engineering education. In view of this, the following training programmes were carried out during the academic year 2019-20: 1. Effective Pedagogy in Class Room Teaching for Engineering Education by Dr. Ramkumar Rajendran, IIT Bombay. 2. Courses through Coursera 3. DJSCE-IBM training on: i) Python programming ii) Introduction to DA iii) Introduction to AIML iv) Introduction to IOT 4. DJSCE-SAS training. Best Practice III Title of the practice: Soft Skills Training Goal The main objective of Soft Skills training is to develop awareness about the importance of interpersonal skills, which include a wide spectrum of personal traits and abilities including trustworthiness, adaptability, personal integrity, leadership, time management, attitude, team building and influencing skills, etc. The Context In order to make the technical skills of engineers valuable and productive, certain soft skills are required in most of the jobs today. Hard skills may look impressive on the resume, but the soft skills set them apart from the rest of the candidates having similar technical knowledge. The Practice Soft skills and competencies in communication are imparted to the students through subjects like, Communication Skills and Business Communication Ethics subjects in Sem II and Sem V across all programmes. However, considering the growing need for good interpersonal skills, additional Soft Skills training is imparted to students by the institute in the 1st year (Foundation course), 2nd year (Personality development) and 3rd Year (Pre-placement package). While evaluating these training programmes, emphasis is laid on practical learning through team-based activities. Providing in-depth feedback on the interpersonal and behavioral aspects, which were displayed in the course of these activities, provide for a continual and practical learning experience. Realizing this vital need, our institute has been ensuring that the soft skills training is taken up in a sustained manner for the maximum benefit of our students.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

https://www.djsce.ac.in/Common/Uploads/ContentTemplate/192_Down_bestpractices2019-20.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Dwarkadas J. Sanghvi College of Engineering (DJSCE) strives to be a world class institution for education, training and research in engineering, inculcating values and skills for sustainable development of the society. DJSCE runs 9 undergraduate programmes, 3 post graduate programmes and 3 Ph.D. courses, permanently affiliated to the University of Mumbai. DJSCE is an Autonomous Institution, granted autonomy by the University Grants Commission (UGC) for a period of 10 years, starting from the A.Y. 2019-20 till 2028-29. National Assessment and Accreditation Council (NAAC) has accredited DJSCE with a CGPA of 3.18 out of 4, i.e., with an "A" Grade for a period of 5 years with effect from 18th of October 2019. In order to ensure that the institute progresses towards achieving its vision of being a world class institution, the following aspects are pursued in a sustained manner. In order to raise the level of its programmes to world class standards, the institute got all its undergraduate programmes accredited by the National Board of Accreditation (NBA) in 2 consecutive cycles so far. In 2018-19, all the 8 programmes were accredited in the 2nd cycle with the validity upto July 2021. SAP ERP System is implemented

since Oct 2010 to deal with various organisational functions. These applications were further enhanced in 2018 and the teachers now interact with the students over the Student Portal, developed in-house. In addition, the teachers are undergoing online training courses and development programmes like Coursera, DJSCE-IBM training, DJSCE-SAS training improving the Teaching-Learning process. Students of the college, continue to bag top positions in the merit list - retaining the status of the college amongst Maharashtra's premier colleges. The College has always been able to attract various reputed recruiters for campus placement. In the academic year 2019-20, 87 recruiters visited our campus for placement. Some of our eminent recruiters are: TCS, Morgan Stanley, JP Morgan, Infosys, Quantiphi, LT Infotech, Godrej, HDFC, Amdocs, Deloitte etc. Additionally, various active students' chapters of IEEE, IIChe, CSI, ISME, IETE, BMSE, ACM, SAE India, RAS and ISHARE make DJSCE a very vibrant place for learning. In addition, four different students' clubs and the NSS unit of the college add value to student activities, ensuring good exposure. The Innovation centre of the college and the in-house technical journal support faculty and students in coming up with quality research publications and novel projects. The E-cell of the college promotes entrepreneurial skills and initiatives among students through various events. The institute has been consistently rated amongst the top 100 institutions of our country year after year by various ranking agencies. The National Institutional Ranking Framework (NIRF) has ranked DJSCE 195th in the India Rankings 2019 in the Engineering Category. Thus, students passing out of the college are guided and trained to reach the best higher education institute in India and abroad. The college has a record number of students in prestigious high ranking institutions in the world, doing their post-graduate and Ph.D. studies as well as thriving in their professional career.

Provide the weblink of the institution

https://djsce.ac.in/Mission%20and%20Vision/M_44_NBA_Accreditation_to_all_8_branches_of_Engineering: http://djsce.ac.in/Circle%202/M_262_NIRF_Ranking_2019: http://djsce.ac.in/Common/Uploads/TabbedContentTemplate/253_Download_NIRF%20Certific

8.Future Plans of Actions for Next Academic Year

- 1) Re assessment cycle 1 of NBA accreditation : Apply for extension of approval of NBA accreditation for 3 programs namely Electronics Engg., Biomedical Engg. and Mechanical Engg.
- 2) Increasing NPTEL/Swayam /Coursera course enrolment : Encourage students and faculty members to update their knowledge by enrolling for online Coursera courses.
- 3) Mock Tests for students for more enhancing their placements : Conducting mock tests for final year students to prepare them for Aptitude test as part of during placements.
- 4) Increase in salary of students being placed : Enhance placement activities and invite companies offering higher pay packages.
- 5) Planning for more patents : Encouraging students and faculty members to file application for patents, copyright etc.
- 6) Increase in enrolment of number of full time PhD Research scholars.
- 7) Review on further improvement of faculty members pursuing PhD and quality publications.
- 8) Teaching learning enhancement :Train the faculty members in the use of various tools in the online platform for effective utilization of the platform, such that the conduct of lectures and practicals can be efficiently managed.
- 9) Planning for minor/Honours degree: Plan to offer additional courses in emerging areas, such as Artificial Intelligence, Machine Learning, etc. of 25 to 30 credits in collaboration with IBM.
- 10) Planning for online classes, conduction of exams using MS teams and Student Portal.
- 11) Planning to apply for Research grants from AICTE, UoM: Encourage faculty members to apply for research grants and project funding.
- 12) Academic Audit and new initiatives for fresh programs: File application to AICTE for permission to start Programs in emerging areas, such as Computer Science and Engineering (Data Science) etc.

