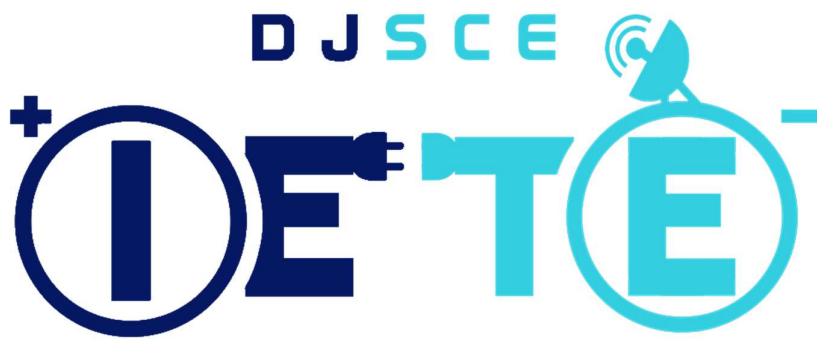




Shri Vile Parle Kelavani Mandal's  
**DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC Accredited with "A" Grade (CGPA : 3.18)



## **IETE-SF ANNUAL REPORT 2022-23**



## **ANNUAL REPORT 2022-23**

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## Department of Electronics and Telecommunication

### Seminar: Carrier Guidance



**Speaker:** Mr. Sukrut Bhushan

**Date of the Seminar:** 23<sup>rd</sup> September, 2022.

Association of Speaker: Direct (Marketing and Sales), Inspirus international studies.

**No. of Participants:** 107 Students

**Participants:** SE and TE Students

#### **Objectives of the activity:**

To provide guidance for various opportunities related to higher studies, concern entrance test, courses .

#### **Contents:**

A master's degree is a specialised academic course of study designed to sharpen your professional skills in the field of your choice. Master's programmes can last anywhere from one to three years, depending upon the particular course you've chosen. During your master's program, you can expect to take classes and exams, and, in some cases, you may conduct research and write a thesis or dissertation. Depending upon the school you're attending, you



may also have the option of teaching, which can help defray the cost of your tuition as well as provide you with relevant experience. Therefore, to make students aware of master's programmes and how they can pursue them, IETE-SF conducted a seminar on "Study Abroad After Engineering". It was a one-day event. The seminar took place on September 23rd, 2022 and was a huge success, with over 100 participants attending the seminar. The session started with good enthusiasm among the attendees to know more about the master's programme under the guidance of the speaker.

Firstly, the speaker for the day, Mr. Sukrut Bhushan, introduced himself, sharing his experience in the education industry and working for one of the Fortune 500 companies. The speaker, who had experience of almost 10 years in that field and 7.5 years as a motivational speaker in colleges, then introduced the term GRE among the students.

The Graduate Record Examinations (GRE) is a standardised test that is an admissions requirement for most graduate schools in the United States, Canada, and a few other countries. The GRE aims to measure verbal reasoning, quantitative reasoning, analytical writing, and critical thinking skills that have been acquired over a long period of learning. The importance of a GRE score can range from being a mere admission formality to being an important selection factor.

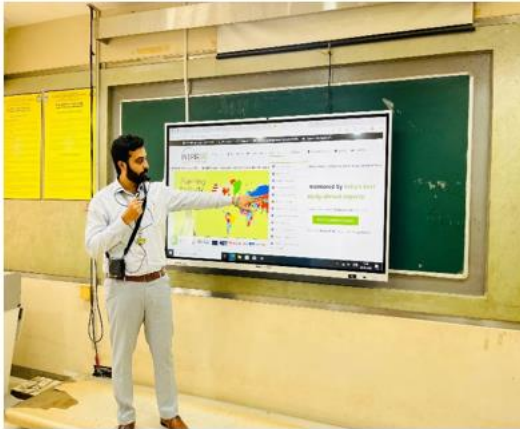
Following a brief introduction to the GRE, the speaker discussed various other tests, such as the TOEFL (Test of English as a Foreign Language) and IELTS (International Language Testing System), that are required for international admission. The Speaker then gave an idea about courses offered in various countries and which country would be best for a particular course. The attendees were also given a brief explanation of the total expenditure that would be required to complete their masters from various countries. IETE-SF then thanked Mr. Sukrut Bhushan for his valuable time and contribution and thus ended the seminar.



### Photographs of the Event:



Mr. Sukrut Bhushan giving overview of the GRE, TOEFL, and IELTS.



Mr. Sukrut Bhushan explaining the current trends in various countries.

**Outcomes:**

- The students comprehended what the GRE is and why it is required to pursue a master's degree from a foreign university, particularly one in the United States of America.
- They further understood the various sections of the GRE and their respective weights.

Program Outcomes mapped (Please tick the mapped POs):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
						1	1	1			1

Program Specific Outcomes mapped (Please tick the mapped PSOs):

PSO1	PSO2	PSO3	PSO4

Faculty In-charge:

Faculty Coordinator

Dr Anuja A Odhekar  
Branch Counsellor,  
IETE-SF, DJSCE, Mumbai

Head of the Department

Dr Amit A. Deshmukh  
Prof. & Head,  
Dept. of Electronics and Telecommunications  
Engineering, DJSCE, Mumbai



**Attendance of the Event :**

INSPIRUS SEMINAR - 23<sup>rd</sup> Sep, 22

Shri Vile - Parle Kalvani Mandal's  
**Dwarkadas J. Sanghvi College of Engineering**  
 Vile - Parle (W) Mumbai - 400 056  
 Department of Electronics and Telecommunication Engg.

Attendance Sheet  
 Class: SE EXT(C)E11 Sub: -- Month: --

SAP No	NAME OF THE STUDENT		Signature
<b>Batch E1-1</b>			
60002210006	VISWANATHAN	ANIRUDDH	
60002210028	SHAH	DARSHIL	
60002210029	PANDYA	MANAV	
60002210030	SUTHAR	PRATHAM	
60002210031	SAHA	DEBANSHU	
60002210040	BHAN	SAHAT	
60002210042	PANCHAL	DHRUV	
60002210043	BAROT	SHREEDHAR	
60002210045	MARKAR	DARSHAN	
60002210046	SHAH	ARYAN	
60002210047	MALI	RITIKA	
60002210048	NAIR	RESHMI	
60002210049	PATNI	KASHISH	
60002210050	MISTRY	RIDDHESH	
60002210051	SHAH	KATHAN	
60002210052	PARMAR	MANISH	
60002210053	MAKWANA	YASH	
60002210062	KARANIA	MONIL	
<b>Batch E1-2</b>			
60002210064	MISHRA	PRATHAM	
60002210066	SHAH	KRIS	
60002210068	SHAH	AASH	
60002210069	SHAH	DEEP	
60002210070	PATEL	DIKSHA	
60002210072	CHANDRA	AARYA	
60002210073	SHAH	SIJAL	
60002210074	SHAH	DEVARSH	
60002210075	CHANAKYA	GAAS	
60002210078	UPADHYAY	MAHEK	
60002210079	GABANI	OM	
60002210082	THAKKAR	SALUMYA	
60002210083	GANDHI	PRISHA	
60002210084	KODALI	CHAITRATHEJASVI	
60002210088	RATHOD	KARAN	
60002210090	GOKANI	VRJESH	
60002210091	SHAH	ROHAN	
60002210092	BHANUSHALI	KARAN	

		Batch E1-3		
60002210094	GUDHKA	RAJ		
60002210095	PATEL	SHUBH		
60002210097	BHARWAD	GOPAL		
60002210098	KANAKIA	RAVEESH		
60002210099	VED	KIMAYA		
60002210100	DOSHI	NIMIT		
60002210101	MISTRY	MANAN		
60002210104	THAKUR	UJJWAL		
60002210105	THAKUR	AWADHESH		
60002210107	KANSARA	AYUSHI		
60002210108	SHAH	AKSHAT		
60002210109	CHAUHAN	DAKSHATA		
60002210112	DHURI	ATHARVA		
60002210113	ATTAR	SHOAIB		
60002210114	MORI	HIMANSHU		
60002210115	DOSHI	MANAN		
60002210117	BERA	SAYAN		
60002210118	SHAH	DHAIRYA		
		<b>Batch E1-4</b>		
60002210119	BAROT	VINEET		
60002210120	TYAGI	SANYA		
60002210122	DOSHI	HARSH		
60002210123	JAIN	ISHIKA		
60002210126	BAGWE	BHUVAN		
60002210131	KOTHARI	JASH		

		Batch E2-3	
60002210183	KAKADIA	NIKHIL	
60002210184	ROKADE	AARYA	
60002210185	KALSARA	ROHIT	
60002210186	AKULA	ATHARVA	
60002210187	MANIAR	VIDHI	
60002210188	GANDHI	VAIBHAVI	
60002210189	RANE	UNNATI	
60002210190	SHAH	JUGAL	
60002210191	SHAH	SHUBHAM	
60002210192	JAGANI	SIDDH	
60002210193	RAVAL	AARYAN	
60002210194	SINGH	SACHI	
60002210195	CHODHURY	PRYNSHI	
60002210196	NADKARNI	SONIA	
60002210197	MISTRY	HEET	
60002210198	PAGARIYA	VAIBHAV	
60002210199	DEOTALE	ABHINAV	
60002210201	SHAH	DHRUVI	
		<b>Batch E2-4</b>	
60002210203	THAKER	YESHA	
60002210204	PANCHAL	AMAN	
60002210205	GORSIYA	ARYAN	
60002210206	MODI	DEEPESH	
60002210207	GOTI	SHUBHAM	

INSPIRUS SEMINAR - 23<sup>rd</sup> Sep, 22

Shri Vile - Parle Kalvani Mandal's  
**Dwarkadas J. Sanghvi College of Engineering**  
 Vile - Parle (W) Mumbai - 400 056  
 Department of Electronics and Telecommunication Engg.

Attendance Sheet  
 Class: TE EXT(C)E11 Sub: -- Month: --

SAP No	NAME OF THE STUDENT		Signature
<b>Batch E1-1</b>			
60002200024	Asim Wahedna		
60002200029	DHRUMIN KIRTI CHHADVA		
60002200031	Hemish Ganatra		
60002200035	Dev Mehta		
60002200037	Somir Shah		
60002200040	Bhaumik thakker		
60002200041	Om Dave		
60002200043	Vedangi Gupte		
60002200049	Soham Sawant		
60002200050	Harshit Jain		
60002200056	Kushal Tejpal Shah		
60002200057	Khushi Sanghvi		
60002200058	Vatsal Zaveri		
60002200061	Arsh Nirmal		
60002200062	Jinay Shah		
60002200063	Bhavesch Dhote		
60002200067	Siddharth Brahmabhatt		
<b>Batch E1-2</b>			
60002200068	Aashi modi		
60002200069	Manan Gosrani		
60002200070	Krishna Ashar		
60002200072	Bhoomik Prakash Shetty		
60002200073	Kushal kalra		
60002200074	Taher Kapadia		
60002200075	Krushang Vakil		
60002200076	Shrey Shah		
60002200077	Kevin Dedhia		
60002200078	Shrushti thakar		
60002200080	Priti Poojary		
60002200085	Nirali Hirpara		
60002200087	Nitih Pandya		
60002200089	Viraj Ajay Deshmukh		
60002200093	Rohan Parikh		
60002200094	Deep Bhanushali		
60002200096	Shivam Desai		





Batch E1-3	
60002200099	Jash Gada
60002200100	Meera Deshia
60002200108	Ayush Dedia
60002200114	Lev Raju Parmar
60002200117	Hitarthi Shah
60002200118	Shivam Udeshi
60002200120	Kashyapi Shah
60002200123	Deep Parmar
60002200124	Krish Sampat
60002200128	Hitarth
60002200129	Rohan Kotlan
60002200131	Dhruvul shah
60002210037	Vrund Patel
60002210038	Padaya Mohammed Saqlain
60002210039	Mohammed Owaish Khumar
60002210061	Parth Hiten Gor
60002200133	Sailli Raghunath Mhapankar

Batch E1-4	
60002200134	Shashank Salian
60002200136	Khushi Deepak Gupta
60002200139	Harsh kumbhat
60002200140	Nimesh Pandey
60002200141	Saksham Patesaria
60002200142	Ishan Shrivastava
60002200143	Atharva Arya
60002200145	Devesh Agarwal
60002200147	Akash Kataria
60002200151	Manavi jain
60002200152	Ruchi Abhyankar
60002200154	Mohammad Sadiq Khan
60002200155	Nihal Nisar Shaikh
60002200156	Abhay Rajesh Bhosle
60002200157	Shweta Joshi
60002200186	Adit Vakli
60002200189	Kashish Mistry

Batch E2-3	
60002200001	Patok koul
60002200002	Ayush Koul
60002200028	Ansh Shah
60002200046	Rishabh Shukla
60002200055	Sharath Pai
60002200063	DHANVI CHOKSI
60002200064	Om Shah
60002200065	Urvashi Bhushan
60002200071	Vishnu Nilesh Pedhadiya
60002200081	Pranali Kurani
60002200082	Disha Goel
60002200083	RAJ MEHTA
60002200084	Vedant Karlekar
60002200086	Karan Salot
60002200088	Shivam Sunil Dandale
60002200091	Jatin Som
60002200092	Om Singh
60002200098	Jeet Shah
60002200101	Deivagna Vanani
60002200105	Noopur Parmar
60002200107	Om Kapadia
60002200109	Akhil Nanavati

Batch E2-4	
60002200112	Vidhi Tarak Nayak
60002200119	Sharmila choudhary
60002200125	Kenil shah
60002200127	Priyansh Rupani
60002200135	Prisha Dipesh Singhania
60002200148	Divya Suresh
60002200149	Siddharth Nagaokar
60002200150	Yash Sivramkrishnan
60002200153	Nimish Sabnis
60002200163	Mrunmay Mhapankar
60002200166	Utsavi Iota
60002200169	SHALEE DAVE
60002200182	Sarthak Acharekar
60002200184	Dhara Patel
60002200187	Atharva Shigvan
60002210025	Chaitanya SAWANT
60002210026	Vedant Desai
60002210027	Om Kumbhar
60002210034	Fihaan Solanki
60002210035	Surbhi Kulaye
60002210036	Gauri Bharat Harsule
60002210202	Anfaal Mir

Shri Vile - Parle Kalvani Mandal's  
**Dwarkadas J. Sanghvi College of Engineering**  
Vile - Parle (W) Mumbai - 400 056

Department of Electronics and Telecommunication Engg.

**Attendance Sheet** Mon  
Class: TE EXTCE(E2) Sub -

SAP No	NAME OF THE STUDENT			
<b>Batch E2-1</b>				
60002200156	Aditya Patil			
60002200159	Pranav Saraf			
60002200160	Ayushi Nanavati			
60002200161	Vinit Shah			
60002200162	Pratham Jain			
60002200164	Sanika Dawre			
60002200165	Ravin Bavishi			
60002200167	Niharika Damodaran			
60002200168	Ankit R. Sawant			
60002200170	Shubh Jatin Pokarne			
60002200171	Kavish Shah			
60002200172	Raj Davawala			
60002200173	Dev Karnik			
60002200174	Roshni Magar			
<b>Batch E2-2</b>				
60002200177	Neeraj Hegde			
60002200178	Hitakshi Shirude			
60002200179	Meet Gosar			
60002200180	Mihir Dudhatra			
60002200181	Vrisha Shah			
60002200185	Rayaan Juveale			
60002200188	Rishi Mistry			
60002200190	Maahi Trivedi			
60002200191	Shreyas Tawde			
60002200192	Nainika Hadkar			
60002200193	Prithvi Kollara			
60002200194	Krish Bilakhiya			
60002210033	Harit Acharya			



## Department of Electronics and Telecommunication

### Workshop on MATLAB Programming



**Speakers:** Dr. Venkataramanan V and Prof. Ranjushree Pal

**Association of the Speakers:** Professor, DJSCE Mumbai

**Date of the Session:** 24<sup>th</sup>, 26<sup>th</sup> September 2022

**No. of Participants:** 81

**Participants:** SE and TE Students

#### **Objectives of the activity:**

- To make the students familiar with a new software.
- To make use of the MATLAB Programming commands to problems in different mathematical subjects.

#### **Contents:**

MATLAB (Matrix Laboratory) is a simple programming language with its own extensive library of mathematical and graphical subroutines. MATLAB is the world's most successful piece of numerical analysis software. Cleve Moler, founder of MATLAB, in his interview outlined that he created MATLAB for educational purposes from a freely distributed package.

MATLAB combines a desktop environment tuned for iterative analysis and design processes with a programming language that expresses matrix and array mathematics directly. It includes the Live Editor for creating scripts that combine code, output, and formatted text into an executable notebook. It is one of the most versatile platforms which is useful in Data Analysis, Graphics, Parallel Computing, App Building and Web Development. The software also has a plethora of different utilities that are useful for projects involving app building, parallel





computing, hardware i.e., embedded systems and several others. It is widely used in academia as well as in industry.

Therefore, to make students aware of the MATLAB Programming Software, IETE-SF conducted two "Workshops on MATLAB Programming". It was a two-day event. The aim of the event was to give a brief introduction to MATLAB. The Sessions took place on 24<sup>th</sup> and 26<sup>th</sup> September 2022. The Sessions were very informative and interactive for the attendees. The Sessions started with good enthusiasm among the attendees to gain a good hold of the MATLAB Platform under the guidance of the Professors.

The two sessions were broken into various parts: Brief Introduction to MATLAB GUI, Interactive Commands in MATLAB, Introduction to Operators, Variables, Datatypes, Introduction to Arrays & Functions, Colon Notation, Plotting, a Fun Gaming Session, Audio Processing, Introduction to Signals and Systems, Generation of aperiodic Signals, Fun Animation and so on.

The first day of the workshop was helmed by Dr. Prof. Venkataramanan who took on elementary concepts to build basic understanding amongst first time MATLAB users. He guided the students in launching the software and explained the entire interface in great detail. While giving Brief Introduction to MATLAB GUI, the Professor explained how to start MATLAB and explained all the components on the Workspace Window of the software. He also explained applications of these components to make the use of software more fluent. The students were also introduced to basic commands in MATLAB like 'clc' which is used to clear the command window, 'eye' which produces an identity matrix in the output and many others. He made everyone aware of the fact that MATLAB is case sensitive and how maintaining the proper case is imperative to getting an error free code.

Next on the agenda was Interactive Commands in MATLAB. Interactive Commands includes multifarious commands like Commands for managing sessions, Commands for working with the system, Commands for Input/Output, Plotting Commands and so on. To make the workshop more interactive, the Professor then introduced Funny Commands like 'Why' to attendees, which throws Funny Jokes on running the command.

Operator was the next, this was explained with the help of basic examples. For example, Arithmetic Operators, Relational Operators, Logical Operators, etc. Students also tried these examples which helped them to learn Operators. Professor also explained how to write the Matrix. These Matrices included Row, Column & Square Matrices.

The Speaker then introduced basic operations on matrices and arrays. The students were made familiar with how conditional statements, functions, loops and switch statements can be used in MATLAB to get the desired output. Dr. Venkataraman explained that the method of using these utilities is almost the same as the C language.



Professor explained various Data-Types available in MATLAB. In order to make the session more fun and interactive, the students were asked to input commands like 'image', 'images and Video', 'earthmap', 'wrlldr' and 'spy'. These are fun little commands hidden in the software like easter eggs. The students had a great deal of fun while competing to complete the puzzle that is opened using the command fifteen. The group who solved the puzzle first became the winner and collected the prize. He also assisted students in making a wav file using MATLAB to play music.

Overall, the session was highly engaging and all the students listened with rapt attention. It was extremely informative and helped build a foundational understanding of the software which would be furthered on day 2 of the MATLAB workshop. IETE-SF then thanked Dr. Venkatramanan for his valuable time and contribution and thus ended the workshop.

On day 2 of the workshop, the students were addressed by Prof. Ranjushree Pal. She started off the session by explaining the terms such as sampling frequency, sampling rate, and plotting time vector. Sampling is a process used to convert a continuous time signal to a discrete signal. The unit of sampling frequency is samples per second.

The professor then enlightened the students about determining the graph by changing the value of frequency and then moved on to plotting 10 cycles of analog signal. The session was very factual and relevant to modern technology. The students were then informed about the Sampling frequency and 'Nyquist Frequency', use of a time vector at an appropriate rate to generate the signal.

Later, the professor explained the rules of 'Shifting', 'Scaling' and 'Folding' and made clear the conditions for each of them. Every word and line of the code was clearly explained by the professor, which was thoroughly understood by all the students. The Professor then discussed the plotting of a rectangular pulse in the middle of the time axis. The students were then made aware of the 'sinc' formula and taught how to find frequency by 'Fast Fourier Transform' in MATLAB. Three distinct signals were shown, along with noise. The workshop proceeded further with the Impulse Response of a filter removing a noise.

It was an interactive session, advanced and a step ahead of the basic session. All the interesting and new things were taught to the students. "It was quite fascinating and enjoyable to grasp various academic concepts and also practising them first-hand using MATLAB was refreshing," was one of the points of view of the enthusiastic student. In conclusion, the session was very interesting and thought-provoking. IETE-SF then thanked Prof. Ranjushree Pal for her valuable time and contribution and thus ended the workshop.

### Photographs of the Event:



Basics Hands-on Session Day-1



Advanced Hands-on Session day-2



Token of thanks



### Outcomes:

- The students understood the need for MATLAB and how it works.
- They further understood how MATLAB works, its Workspace window and its GUI. Thus gaining knowledge of a versatile software.
- The students also got well versed with Operators, Data-Types, Arrays and Functions available on the software.
- The students also understood the Implementation of signals and systems on the software.

### Program Outcomes mapped

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO1 0	PO1 1	PO1 2
1	1	1	1	1	2	2	1	2	2	1	1

### Program Specific Outcomes mapped

PSO1	PSO2	PSO3
2	2	2

Faculty In-charge:

Faculty Coordinator

Dr Anuja A Odhekar  
Branch Counsellor,  
IETE-SF, DJSCE, Mumbai

Head of the Department

Dr Amit A. Deshmukh  
Prof. & Head,  
Dept. of Electronics and Telecommunications  
Engineering, DJSCE, Mumbai





**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Permanently Affiliated to the University of Mumbai)



**Attendance of the event:**

**DAY-1**

Sr.No	Name	Dept	SAPID	Signature
1	Chaityanya Sawant	EXTC 2 TE	60002210025	[Signature]
2	Om Kumbhar	EXTC 2E2	60002210027	[Signature]
3	Reshmi Nair	EXTC SE 1	60002210048	[Signature]
4	Aash Shah	EXTC SE 1	60002210062	[Signature]
5	Trish Nair	CS SE 8	60004210223	[Signature]
6	Prasanna Narkani	EXTC SE 2	60002210048	[Signature]
7	Priyanka Pandey	EXTC SE 1	60002210023	[Signature]
8	Kapil Kachhap	Compege	60004210243	[Signature]
9	Disha Patel	EXTC SE 1	60002210070	[Signature]
10	Tulsi Bhuskar	EXTC SE 2	60002210134	[Signature]
11	Sanika Dawre	EXTC SE 2E2	60002200164	[Signature]
12	Shreeth Patil	EXTC-2 TE	60002210035	[Signature]
13	Sham Bani	EXTC-1 TE	60002210096	[Signature]
14	Shana Patel	EXTC-2 TE	60002210184	[Signature]
15	Vidhi Nayak	EXTC-2 TE	60002200112	[Signature]
16	Sharmila Chaudhary	EXTC-2 TE	60002200119	[Signature]
17	Anshu Vishwakarma	EXTC-1 SE	60002210006	[Signature]
18	Kadali Chaitanya	EXTC-1 SE	60002210084	[Signature]
19	Poojita Shah	EXTC-1 SE	60002210022	[Signature]
20	Ananya Raval	EXTC-2 SE	60002210193	[Signature]
21	Shreela	EXTC-2 SE	60002210113	[Signature]
22	Dhruv	EXTC-1 SE	60002210062	[Signature]
23	Jay (HOD)	CS SE	60004210240	[Signature]
24	Rachit	CS SE	60004210238	[Signature]
25	Jenit	CS SE	60004210225	[Signature]
26	Rohan K	CS SE	60004210239	[Signature]
27	Vansh	A2&D5	60018210033	[Signature]
28	Shreethas	EXTC SE	60002210043	[Signature]
29	Deep Shah	EXTC SE	60002210069	[Signature]
30	Rohan Shah	EXTC SE	60002210071	[Signature]
31	Ayush Kumbhar	EXTC SE	60002210102	[Signature]
32	Naman	AI ML SE	60017210036	[Signature]
33	Vishita	AI DS SE	60018210044	[Signature]
34	Unashi	EXTC TE	60002200065	[Signature]
35	Ashil Kanavshi	EXTC TE	60002200109	[Signature]
36	Ana Jalot	EXTC TE	60002200066	[Signature]
37	Ashil Slet	EXTC TE	60002200135	[Signature]
38	Siddharth	EXTC TE	60002200149	[Signature]
39	Aditya Patil	EXTC TE	60002200158	[Signature]
40	Vineet Barot	EXTC SE	60002210119	[Signature]
41	Mushal Khatra	EXTC TE	60002200073	[Signature]
42	Nitaran Shiroho	EXTC TE	60002200128	[Signature]
43	Shreethi Thakkar	EXTC TE	60002200078	[Signature]

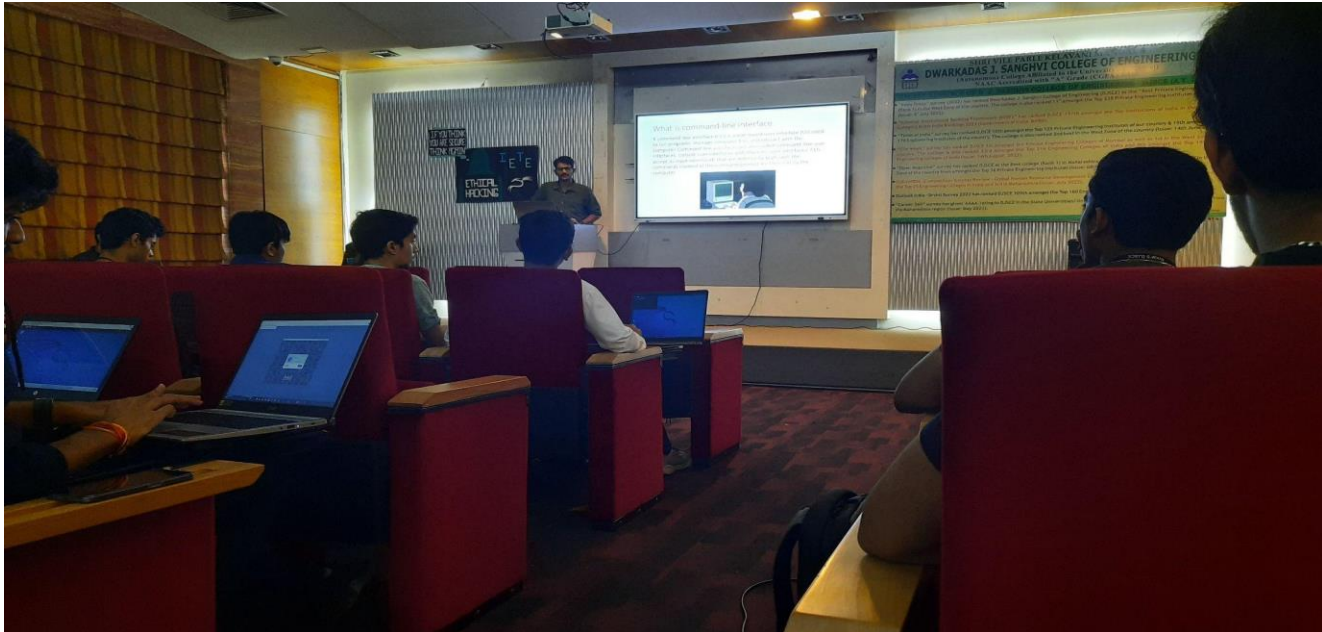
**DAY-2**

Year	Name	SAP ID	BRANCH	Signature
20SE	Shreetha Barot	60002210043	EXTC	[Signature]
20SE	Aarya Chandra	60002210072	EXTC	[Signature]
20SE	Ayushi Kumbhar	60002210107	EXTC	[Signature]
20SE	Rohan Shah	60002210091	EXTC	[Signature]
20SE	Kadali Chaitanya	60002210084	EXTC	[Signature]
20SE	Ananya Raval	60002210193	EXTC	[Signature]
20SE	Shreetha Patil	60002210035	EXTC	[Signature]
20SE	Sanya Bani	60004210117	EXTC	[Signature]
20SE	Ashana Chauri	60002210112	EXTC	[Signature]
20SE	Mansha Doshi	60002210115	EXTC	[Signature]
20SE	Harsh Doshi	60002210022	EXTC	[Signature]
20SE	Dhruv Panchal	60002210042	EXTC	[Signature]
20SE	Debanshu Saha	60002210031	EXTC	[Signature]
20SE	Mansha Barma	60002210056	EXTC	[Signature]
20SE	Anshu Vishwakarma	60002210006	EXTC	[Signature]
20SE	Tarshit Shah	60002210028	EXTC	[Signature]
20SE	Om Gabani	60002210079	EXTC	[Signature]
20SE	Vansh Chheda	60018210033	A2&D5	[Signature]
20SE	Ashika Jain	60002210123	EXTC	[Signature]
20SE	Saumya Thakkar	60002210082	EXTC	[Signature]
20SE	Disha Patel	60002210070	EXTC	[Signature]
20SE	Reshmi Nair	60002210048	EXTC	[Signature]
20SE	Aash Shah	60002210062	EXTC	[Signature]
20SE	Trish Nair	60004210223	CS	[Signature]
20SE	Rachit Bhuskar	60004210238	CS	[Signature]
20SE	Jay Mehta	60004210240	CS	[Signature]
20SE	Rohan Kalia	60004210239	CS	[Signature]
20SE	Jenit Khatra	60004210225	CS	[Signature]
20SE	Nitaran Patil	60002210128	CS	[Signature]
20SE	Prasanna Narkani	60002210148	EXTC	[Signature]
20SE	Ravish Kumbhar	60002210091	EXTC	[Signature]
20SE	Vineet Barot	60002210119	EXTC	[Signature]
20SE	Mushal Khatra	60002200073	EXTC	[Signature]
20SE	Deep Shah	60002210069	EXTC	[Signature]
20SE	Ayush Koul	60002200002	EXTC	[Signature]
20SE	Vineet Barot	60002210119	EXTC	[Signature]
20SE	Kranav Barot	60002200159	EXTC	[Signature]
20SE	Kimaya Ned	60002210099	EXTC	[Signature]
20SE	Sanika Dawre	60002200164	EXTC	[Signature]





**Department of Electronics and Telecommunication**  
**Workshop on Ethical Hacking**



**Speakers:** Priya Savla, Hardik, Manav

**Date of the session:** 06th November and 13th November 2022

**No. of Participants:** 23

**Participants:** FE, SE and TE students

**Objectives of the activity:**

- To provide students with information about Ethical Hacking.
- To make students familiar with various software used in Ethical Hacking.

**Contents:**

Ethical hacking has become a necessity in today's world and is a very fast-growing field. Ethical Hacking offers various professional development opportunities and is a good way to kickstart a career in the highly accretive field of Cyber Security. Therefore, to make students aware of this field, IETE-SF conducted a "Workshop on Ethical Hacking". It was a two day event. The aim of the event was to give a brief introduction to the field of Ethical Hacking . The Sessions took place on 06th and 13th November 2022. The Sessions were very informative and interactive for the attendees. The Sessions started with good



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enthusiasm among the attendees to gain a good grasp of Ethical Hacking under the guidance of the Speakers. The first day of the workshop was helmed by Ms. Priya Savla, who is a Cyber Security and Digital forensics expert. She began the session with the basics of Ethical hacking terms, such as the importance of 'Ethical' in the phrase 'Certified Ethical Hacker (CEH)'. The participants were informed about the difference between 'hacking' and 'ethical hacking'. The difference between the terms is that ethical hacking is all about loopholes, intention and permission. Ethical hacking is actually aligned with every other domain, such Artificial Intelligence, Data Science and Machine Learning.

The first thing that she taught was a simple trick to hack into passwords without any tools or software. Any password can be looked into without much effort, so saving your passwords is not such a bright idea, but a person possibly can't remember all of their passwords, so the smart way to avoid getting your password hacked would be to change your passwords every once in a while. She made the attendees aware of how the mind of a hacker works and what they could do from their end to avoid it. They then moved on to how one can view the SSID list of all the WiFi that the device has been connected to, which is possible with the software 'wireless-key-view'. She discussed how even simple things like WIFI can be abused by hackers and advised students on how to protect their devices and data by implementing a few simple but effective layers of protection.

Later, she educated the students on the importance of IP Addresses and how networking and cybersecurity go hand in hand. The students then dived into software such as 'who.is', 'whatismyipaddress.com', 'myip.ms' through which one can easily find out their IP Address. She then instructed the students on how one's identity can be protected while surfing the 'dark net' which is the hacker's world. The students were then made aware of the 'Tor Browser' and how the browser has 3 hops and a normal VPN has 1, hence getting 3 layers of protection. She informed us that there is a public IP Address that can only be viewed by you and a Public IP Address that can be viewed by anyone and everyone. We saw where we could access our private IP Address from. After that, in order to make the session more fun, the students played a fun little game using the software 'Our-Secret'. Our-Secret is a software that lets you hide text, images, video, and audio in a file. The message is password protected and is passed on from one person to another through a riddle and the answer to that riddle is the password to the sensitive information hidden inside the file. They were supposed to hide a message in a picture and write the riddle on the notepad file, then we were swapped and we were supposed to crack the riddle. It was a fun little game that made the session interesting and lightened everyone's mood. The students then explored what most of them were excited about, the 'Kali Linux' Software. Kali Linux is the hacker's Operating System. They then exhibited all the settings of the software. After installing the software the speaker taught the basic Linux commands like 'mkdir', 'ls', 'cd', 'pwd', 'man', 'mv', etc. Overall, the session was highly engaging and all the students listened with rapt attention. It was extremely informative and helped build a foundational understanding of Ethical hacking which would be furthered on day 2 of the workshop. IETE-SF then thanked Ms. Priya for her valuable time and contribution and thus ended the workshop.

The second day of the workshop was conducted by Hardik and Manav. Hardik is a distinguished Information Analyst. On that day i.e., 13th November 2022, they began the session with the difference



between 'HTTP' and 'HTTPS'. Data is transferred in plain text over HTTP, which is not secure, whereas data is encrypted over HTTPS. They displayed how hackers attack public WiFi and how it is more vulnerable. The students were then introduced to ports and their significance. There are a total of 65,535 ports. For example, the port number for HTTPS is 443, HTTP is 80, FTP is 21, SSH is 22, etc. They then taught the attendees about the HTTP status codes. An HTTP status code is a message a website's server sends to the browser to indicate whether or not that request can be fulfilled. There are a total of 200 status codes. The 1X denotes the International Code, the 2X denotes the Successful Code, the 3X denotes the Redirection Code, the 4X denotes the Client Error Code, and the 5X denotes the Server Error Code. For example, Error 502 indicates a Flooding of the server or a DOS Attack. They then explained the DOS Attack and the DDOS Attack. The DOS Attack occurs from only one machine but the DDOS attack occurs from multiple machines.

Later, the speakers enlightened the students about what exactly happens after they type 'google.com' and before they get the result. After that, they described what port scanning is and how it is useful for the attacker to know how many ports are open on the victim's screen. The students used a tool called nmap or Network Mapping for port scanning. In order to understand port scanning they first had to understand the 'TCP 3-Way Handshake'.

The attendees then studied 'Symmetrical and Asymmetrical Cryptography'. The fundamental difference between the two is that in Symmetrical Cryptography, only 1 key is involved whereas, in Asymmetrical Cryptography, 2 keys are involved, one public and one private. The session was concluded with hashing and password hash cracker. The workshop was very informative and engrossing. All these interesting and new things were taught to the students. IETE-SF then thanked Hardik and Manan for their valuable time and contribution and thus ended the workshop.

### Photographs of the Event:







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**Outcomes:**

- The students understood the basic concepts of Ethical Hacking.
- They got well versed with various software required for Ethical Hacking.

Program Outcomes mapped

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	1	1	1	1	1	1	1	1	1	1	1

Program Specific Outcomes mapped (Please tick the mapped PSOs):

PSO1	PSO2	PSO3
1	1	2

Faculty In-charge:

Faculty Coordinator

Dr. Anuja A Odhekar  
Branch Counsellor,  
IETE-SF, DJSCE, Mumbai

Head of the Department

Dr Amit A. Deshmukh  
Prof. & Head, Department of  
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Engineering, DJSCE, Mumbai



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Attendance of the event:

DAY 1

	Name	Phone No
1)	Ved Choudhary	8648976116
2)	Kanika Chitnis	9867981046
3)	Jay Mehta	7699250620
4)	Utkarsh Saxena	9892431074
5)	Azjm Pareek	9326691690
6)	Yograj Singh Parmar	7499297267
7)	Himanshu Goswami	9004612382
8)	Jinay Shek	9833290155
9)	Diksha Patel	8928093243
10)	Prasanna Nadkarni	7804954975
11)	Amaan Attan	8451072004
12)	Het Gohil	9969496669
13)	Zhavya Poshil	9819757912
14)	Darshan Wala	9372740206
15)	Aditya Dalvi	9323580656
16)	Saham Rane	8879106466
17)	Swayam Mestry	9619017829
18)	Aditya Chopate	8291834245
19)	Om Amarchheda	8369878201
20)	Parv Karia	7977899352
21)	Manjiri N.kale	7045903090
22)	MENS	





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Sr. no	Name	Contact No.
1	Jinay Shah	9833290155
2	Utkam sarma	9870 82052
3	Apur Parset	9326691690
4	Ketika Ghosh	6001924065
5	<del>Pratik</del> Jay Poo Mohita	60004210240
6	Ved M. Choudhary	8148970110
7	Manjiri N. Kale	7045903090
8	Hemantkumar Gaswami	9884611382
9	Swayam Mestry	9619017829
10	Yugraj Singh Parmar	7489287267
11	Parv Karia	7977899352
12	Aditya Dalvi	<del>9820 5820</del> 9323580658
13	Aditya Chapele	8292534240
14	Om Amarchanda	831787208
15	Rohan Rane	8879106464
16	Shumika Talreja	8380964777
17	Hiya Jain	970234950
18	Darshana Wale Diksha Patel	9372740256 6918013243
19	Bhavya Adoshi Prasanna Nadkarni	<del>9899759112</del> 9899759112 9969496667
21	Het Gokul	9969496667
22	Amaan Atten	8451072004



## Industrial Visit to GMRT



**Date:** 3rd February, 2023

**No. of Participants:** 49 TE students

### **Objective of the activity:**

- To expand the knowledge of students in the field of Telecommunication.
- To impart wisdom about radio astronomy and receiver technology.

### **Contents:**

An Industrial Visit was conducted to GMRT Pune, Khodad district on 3rd February 2023 as a part of Radiating Systems course in semester VI with the aim of enlightening the students about the functioning of GMRT. The trip was accompanied by esteemed faculties, Dr. Amit A Deshmukh (Head of EXTC Department) and Dr. Rajendra Khavekar (Training and Placement Officer) alongside students.

The GMRT (Giant Metrewave Radio Telescope), which is the world's most powerful telescope operates at low radio frequencies, is used to study radio signals with metre wavelengths from objects in the Milky



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Way and other nearby galaxies. In recognition of its innovative engineering, cutting-edge technology, and scientific contributions to the field of radio astronomy, it has received numerous accolades and is now the third Indian scientific facility to receive the IEEE Milestone. It is used by radio astronomers from across the world to study our Universe and observe different astronomical objects such as HII regions, galaxies, pulsars, supernovae, and Sun and solar winds. Radio astronomy is the field of science in which the radio waves generated by objects and celestial bodies in space are collected by a receiver and utilised to determine the object in detail. This information is then used for space exploration and the discovery of resources on planets, stars, and other celestial bodies.

GMRT is a receiving station where sources are all the natural astronomical bodies. Recently, GMRT had been the talk of the town as Scientists had made a groundbreaking discovery by capturing radio signals from a galaxy located almost 9 billion light-years away from the Earth. This was the first time that a signal of this nature had been received from such a distance.

The antenna is a parabolic dish with an outer diameter of 45m. To make it lightweight, meshes of steel are used. The outer mesh has dimensions of 15m x 15m and the inner mesh has dimensions of 5m x 5m. The azimuth angle of this antenna is  $\pm 270^\circ$  and the elevation (solid angle) is  $18^\circ - 90^\circ$ . The antenna is equipped with a boat-shaped structure between the parabolic dish and servo motors to balance the Centre of Mass of the parabolic dish. A BLDC (Brushless DC) servo motor is used for the rotation of the antenna in the direction of the source. The antenna is painted every five years to prevent corrosion. The resolution of an antenna is directly proportional to the size of the antenna. But practically designing antennas with huge sizes is not a viable solution. Therefore, 30 small parabolic antennas are spread over an area of a 25km radius. All of these antennas receive signals from one source at a time.

In order to receive signals, fiber optic cables are used to feed the electrical signals. It can be used in either single or multimode mode. For antenna remoting applications, a single mode is used as it supports longer link distances and faster transmission of signals since a single mode is used. Signal loss is very low as the core used has a diameter of 1310 nm. In addition, walls are built around the antenna to prevent the ground propagation of signals.

The feeds presently available are Band-5 (1000-1460 MHz), Band-4 (550-850 MHz), Band-3 (250-500 MHz), and Band-2 (125-250 MHz) feed. The reflecting surface is formed by a wire mesh and the efficiency of the antennas varies from about 60% to about 40%, from the lowest to the highest frequency. Signals from two orthogonal polarisation are brought to the control room from each antenna, over optical fiber. The native polarisations for all receiver systems are circular, except for the Band-5 system, which delivers linear polarisations.

When receiving signals, these antennas have to be synchronized in time with the source for the sound reception of signals. Hence, the antenna is rotated according to the source. Once the reception of the signal is completed, the antenna calibrates itself with the reference source every 20 mins. By default, the



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antenna completes one rotation every 30 mins. For perfect signal reception, counter-rotation is provided by the servo motors. After receiving the signals, correlation is performed to remove noise.

Frequency of operation and gain:

This antenna operates in the frequency range of 100-1500 MHz. The maximum gain of this antenna is 40dB. Gain is controlled by using the parabolic dish's inner and outer meshes.

GMRT has played a crucial role in the exploration of space and has always been at the forefront to collect data to discover the mysteries of space.





**Photographs of the Industrial Visit:**



Parabolic dish with an outer diameter of 45m



TE Batch 2024



Miniature Design



Explanation of Working of Antenna





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**Outcome:**

- Students acquired information about the working and telemetry of GMRT.
- Students witnessed the antennas present at the GMRT and understood its functioning.

Program Outcomes mapped (Please tick the mapped POs):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2	2	2	2	2	2	2	2	2	2	2	2

Program Specific Outcomes mapped (Please tick the mapped PSOs):

PSO1	PSO2	PSO3
2	2	2

Faculty Incharge :

Faculty Coordinator

Dr. Anuja A Odhekar  
Branch Counsellor,  
IETE-SF, DJSCE, Mumbai

Head of the Department

Dr Amit A. Deshmukh  
Prof. & Head, Department of  
Electronics and Telecommunications  
Engineering, DJSCE, Mumbai



## Department of Electronics and Telecommunication

### Alumni Meet 2023



Alumni and Faculty

**Date:** 11th February, 2023

**No. of Participants:** 50 SE and TE students

**Objective of the activity:**

- To connect students to the alumni of the EXTC Department.

**Contents:**

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Tel : +91 4233 5000 / 4233 5001 Email : [info@djsce.ac.in](mailto:info@djsce.ac.in) Website : [www.djsce.ac.in](http://www.djsce.ac.in)



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The alumni meet was a grand event organized by DJSCE IETE-SF on 11th February, 2023 that brought together former students and faculty members of the institution. The atmosphere was filled with excitement and nostalgia as people reconnected with their old friends and reminisced about their time at the college.

The meet began when some alumni who couldn't attend in person joined online via Microsoft Teams. Professor Ranjushree Pal, our alumni coordinator was present to greet our respected alumni. Everyone was delighted to see each other after a long time. Everyone then introduced themselves and what they were currently doing. After introductions, some of the students had some dilemmas about placements and internships, to which one of the alumni pointed out that networking is very important for internships. In fact, that is the famous way most people get internships. Another doubt that was raised was, "Is MBA effective?" One alumnus recommended working for 2-3 years before considering a masters. Meanwhile, other alumni advised pursuing post-graduate studies immediately following your undergrad, as it may be difficult to return to studies after 2-3 years. Knowing your basics is essential to pursuing your master's. They advised us to start building our resumes as soon as possible and to start making connections through any platform.

They discussed the challenges they faced after and during their under-graduation and how they overcame them, and they encouraged the students to never give up on their dreams. By this time, alumni who could join in person had come. The room was quickly filled with happy faces. Everyone had pursued their careers in different directions so they were informed about the common mistakes that are usually made so that we could avoid them and learn from their mistakes. They also reminded us of all the problems or difficulties they faced and the only solution to all of them was to stay focused and determined to achieve your goal. Everything is manageable if you believe that the amount of work you put towards your goal, you will receive the output you intended to get. They assured us that at our age being confused and not knowing what to do ahead is okay. Building your life skills and communication skills is very important during our age. This age is for establishing life-long friendships and to make mistakes because that is how you grow and know. Going through that painful process is how you will end up knowing what is right for you and at the end, it is going to be worth it.

For one alumnus, engineering was all about selling something, it was either your product or yourself. It is all about the brand that you build for yourself that will get you in good places, you have to showcase yourself. An alumnus stated that start doing something, anything you will definitely find what makes you happy and can see yourself doing for a good amount of your life. Engineering is not just about academics or placement, it is about creating perspective and advised that we should start creating perspective instead of just thinking about it. Only having one skill is not going to help you widen your horizon. There are going to be times where you are going to have to do a lot of things by yourself which you are doing for the first time but in the outside world or in the industrial world, everybody expects you to know it. Now





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is the time you have to build your personality, soft skills and explore everything. It can be overwhelming but it is definitely worth it at the end of it all.

The teachers were immensely proud of what everyone had become. They were thrilled to once again talk to them. Overall, the alumni meet was a fantastic opportunity for everyone to come together, reminisce, and celebrate their shared experiences.

### Photographs of the session:



Alumni addressing the doubts



Alumni interacting with the students

### Outcomes:

- Students connected with the alumni of the Department and gained knowledge about various fields in which they can pursue their career.

Faculty Incharge :

Faculty Coordinator

Dr. Sanjay B. Deshmukh  
Electronics and Telecommunications  
Engineering, DJSCE, Mumbai

Head of the Department

Dr. Amit A. Deshmukh  
Prof. & Head, Department of  
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## Department of Electronics and Telecommunication

### Seminar on How to write a Technical Paper



**Speaker of the event:** Dr. Ameya Kadam, Assistant Professor, Dept. of EXTC Engineering, DJSCE.

**Date:** 15th February, 2023

**No. of Participants:** 52 SE and TE students

#### **Objective of the activity:**

- To make the students understand the structure of a technical paper.
- To highlight the importance and purpose of writing a technical paper.

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### Contents:

Technical papers help engineers create leadership in a competitive environment and overcome project hurdles. Technical Papers cover a wide range of subjects, such as combustion processes, simulation & modelling, and test techniques, in-depth test results, comparative studies, and methodology. Therefore to make students aware about how a technical paper should be written, IETE-SF Conducted a Session "Workshop on Technical Paper Writing". It was a one day event. The Session took place on 15th February, 2023. The Session was very informative and interactive for the attendees. The Session started with good enthusiasm among the under the guidance of Professor Ameya Kadam.

A technical paper consists of title, abstract, keywords, introduction, methodology, findings, conclusion, acknowledgement and references. The title is the main attribute of a paper. It Should be meaningful, concise, specific and informative and not generic. It should not be too long nor too short as the title is read by thousands of people but the paper is read by only a handful. The title should capture the fundamental nature of experiments and findings. Abbreviations, jargons, etc should be avoided in the title. The titles could be of various types such as Indicative, Informative, etc

Next is the abstract. The abstract is about what has been achieved in the paper and is like a mini summary of the paper. It should be specific and precise and should talk about the key elements of the paper. It should not consider any acronyms as the abstract is the selling point of the paper. It is advised that the abstract should be written at the end after the research work is completed. Then comes the Introduction. The introduction should contain four paragraphs and the abstract has to be described in more detail in the introduction.

Then comes the main part of the technical paper, which is the research work which has been done. There should be a novelty in the research and it should be properly mentioned in the paper. The body is the part where all the diagrams, graphs have to be included. The research should be solid as poor research can't be covered by brilliant writing. The results and discussion section should come after the methodology has been done. The results and discussion part contains what one has gained through their research, what have they implemented.

The conclusion of the paper is what all findings have been done in the paper and it should be to the point. Words such as we did this and that should be avoided in the conclusion. The acknowledgement section should consist of a token of thanks to the people who have helped you with the research work or those who have funded you. In the references section, a lot of websites should not be mentioned rather research papers dated until last decade can be included.

Lastly, the speaker showed an example of a technical paper and highlighted all the key points which had to be included. The speaker also mentioned a few websites for making good quality graphs and diagrams.





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IETE-SF then thanked Professor Ameya Kadam for his valuable time and contribution and thus ended the seminar.

Overall, the session was quite informative and engaging. The students listened with rapt attention and asked a lot of questions in order to learn the process of writing a technical paper.

**Photographs of the session:**



Speaker showing an example of a technical paper



Token Of Thanks



Students who attended the seminar



Speaker

**Outcomes:**

- Students learnt the way a technical paper is written.
- Students understood the importance of a technical paper.



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Program Outcomes mapped

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	1	1	2	1		1		1	1	1	1

Program Specific Outcomes mapped

PSO1	PSO2	PSO3
2	2	2

Faculty In-charge:

Dr. Anuja A Odhekar  
Branch Counsellor,  
IETE-SF, DJSCE, Mumbai

Prof. Amit A. Deshmukh  
Prof. & Head, Department of  
Electronics and Telecommunications  
Engineering, DJSCE, Mumbai

**Attendance of the event:**





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Date \_\_\_\_\_  
Page \_\_\_\_\_

GRP NO.	Sl. No.	Name	SAP ID.	Signature	Year
17	1	Mushal Khatra	60002200073		TE-1
23	2	Shrushti Thakar	60002200078		TE-1
22	3	Siddharth Nagaoker	60002200149		TE-2
45	4	Yash Sivramkrishnan	60002200150		TE-2
	5	Darshel Shah	60002210028		SE-1
	6	Dhruv Panchal	60002210042		SE-1
	7	Saumya Thakkar	60002210082		SE-1
	8	Vedangi Gupte	60002200043		TE-1
	9	Nidhi Nayak	60002200112		TE-1
	10	Bhannik Thakker	60002200043		TE-1
	11	Nirali Hirparia	60002200085		TE-1
	12	Melina Dedhia	60002200106		TE-1
	13	Deep Bhambhani	60002200094		TE-1
	14	Ayush Tokia	60002200108		TE-1
	15	Nithik Pandya	60002200087		TE-1
	16	Shilvam Uleshki	60002200088		TE-1
	17	Sharmila Choudhary	60002200119		TE-1
	18	Gov Parmar	60002200114		TE-1
	19	Salli Mhapankar	60002200133		TE-2
	20	Shubh Pokarne	60002200170		TE-2
	21	Hharthi Shah	60002200117		TE-2
	22	Viraj Deshmukh	60002200089		TE-2
	23	Reshmi Nair	60002210048		S.E-1
	24	Deep Shah	60002210069		S.E-1
	25	Diksha Patel	60002210070		SE-1
	26	Dev Karnik	60002200173		TE-2
	27	Nainika Hadkar	60002200192		TE-2
	28	Om Numbhar	60002210027		TE-2
	29	Deep Parmar	60002200123		TE-1





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Date \_\_\_\_\_  
Page \_\_\_\_\_

30	Mihir Dandhate	60002200180	Mihir	TE-2
31	Raj Darawala	60002200172	Raj	TE-2
32	Manjiri N. Kale	60002210168	manjrikale	SE-2
33	Aarya Rokade	60002210184	arokade	SE-2
34	Sakshi Mane	60002210181	Smane	SE-2
35	Shreya Pathak	60002210160	shreya	SE-2
36	Akhil Mistry	60002210157	Akhil	SE-2
37	Heel Mistry	60002210197	Mistry	SE-2
38	Prasanna Nadkarni	60002210148	P.Nadkarni	SE-2
39	Anbal Mir	60002210202	A.Mir	TE-2
40	Manan Doshi	60002210115	Manan D.	SE-1
41	Devansh Shah	60002210074	D.Shah	SE-1
42	Sujal Shah	60002210073	Sujal	SE-1
43	Hitarth Shanna	60002200128	H.Shanna	TE-1
44	Jinay Shah	60002200062	J.Shah	TE-1
45	Shivam Desai	60002200096	Shivam	TE-II
46	Akhil Naravati	60002200109	A.Naravati	TE-II
47	Keel Lal	60002200125	K.Lal	TE-II
48	Urushi Bhalla	60002200065	Urushi	TE-II
49	Devansh Bhaskar	60002200060	D.Bhaskar	TE-II
50	Rohan Patil	60002200093	R.Patil	TE-2
51	Dev Mehta	60002200035	Dev Mehta	TE-2
52	Tanav Kapadia	60002200074	Tanav	TE-1



## Department of Electronics and Telecommunication

### DJSCE IETE-SF in collaboration with DJSCE Trinity

#### CLASH OF CODES

Code. Optimize. Collaborate.



Clash of Codes Organizing Team

**Date:** 4th-5th March, 2023

**No. of Participants:** 240 SE, TE and BE students in offline mode and 130 in online mode

#### **Objective of the activity:**

- To foster innovation, creativity, and collaboration among participants, and to create a tangible solution to a specific challenge within a limited timeframe.
- To create an innovative environment that allows participants to explore new ideas, push boundaries, and create something meaningful

#### **Contents:**

PLOT NO. U-15, JUHU SCHEME, BHAKTIVEDANTA SWAMI MARG, VILE PARLE (WEST), MUMBAI 400 056.  
Tel : +91 4233 5000 / 4233 5001 Email : [info@djsce.ac.in](mailto:info@djsce.ac.in) Website : [www.djsce.ac.in](http://www.djsce.ac.in)





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**Timeline:**

**DAY 1 - 04/03/23**

TIME	DESCRIPTION
09:00 am	DJSCE IETE and DJSCE Trinity committee members reach college for inauguration ceremony
10:00 am	Inauguration Ceremony
11:00 am	Problem statement allotted to teams along with doubt solving sessions
12:00 pm	Hackathon commences
02:00 pm	Lunch
06:00 pm	High Tea and Submission guideline session
07:00 pm	Rhythmic Codes Jamming Session
09:00 pm	Dinner

**DAY 2 - 05/03/23**

TIME	DESCRIPTION
12:00 pm	Coding ends
01:00 pm	Judging Round 1 commenced. The judges evaluated teams based on criteria such as creativity, technical execution, impact potential, and presentation skills to determine the winners.
03:00 pm	In the seminar hall, with a distinguished panel of judges in attendance, a meticulous judging process round 2 ensued for the shortlisted teams vying for victory.
05:00 pm	The highly anticipated prize distribution and closing ceremony approached, culminating in a celebration of the ingenuity, dedication, and hard work displayed by all the participants.





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**Guests Invited:**

**Judges:**

<b>Guest Name</b>	<b>Designation</b>
Mr. Adnan Ahmed	B.Tech. Computer Engineering, DJSCE
Mr. Harpal Sinhjadeja	DevRel, Celo
Ms. Roma Jain	Data Engineer, Ambee
Ms. Pragnya Pathak	ML Engineer, Quantiphi
Mr. Vishwanath Dubey	Technical Solution Architect, IBM
Mr. Rushabh	Senior SDE, BrowserStack
Mr. Gurudev	SDE, JP Morgan Chase and Co.
Mr. Raj Sanghvi	B.Tech. Computer Engineering, DJSCE

**Mentors:**

<b>Guest Name</b>	<b>Designation</b>
Mr. Rahul Raheja	B.Tech. Computer Engineering, DJSCE
Mr. Devansh	B.Tech. Computer Engineering, DJSCE
Mr. Adithya	B.Tech. Computer Engineering, DJSCE
Mr. Vidhish Panchal	B.Tech. Computer Engineering, DJSCE
Mr. Megh Dedhia	B.Tech. Computer Engineering, DJSCE
Mr. Dhruv Jain	B.Tech. Computer Engineering, DJSCE
Ms. Rajvi Parekh	B.Tech. IT Engineering, DJSCE
Mr. Romil Nisar	ML Engineer, Quantiphi



### Description of the event:

A hackathon is an event in which individuals or teams come together to collaborate and work on a specific project or problem. Hackathons also provide an opportunity for participants to learn new skills, network with other professionals in their field, and gain exposure to potential employers. Clash of Codes was a 24-hour hackathon organized by DJSCE IETE-SF in collaboration with DJSCE Trinity which gave the participants a chance to create real world applications. The hackathon also promoted collaboration, encouraged students to pursue technical careers, and boost creativity. The hackathon was held in hybrid mode on 4<sup>th</sup> and 5<sup>th</sup> March, 2023. We were thrilled to have over 1300+ registrations from individuals spanning over 260 teams of various backgrounds and skill-sets across various cities in India, out of which 60 teams were shortlisted for the offline mode.

### DAY 1 - 04/03/23

The participants had to report at the college by 8 a.m. on 4<sup>th</sup> March, 2023. As the participants started settling to their assigned classrooms, at least one member from each group had to be present in the Seminar Hall for the Inauguration Ceremony, which took place at 10 a.m., where the participants were addressed by our respected Principal, Dr. Hari Vasudevan Sir, Vice-Principal, Dr. Manali Godse Ma'am and Branch Counsellor of the EXTC Department, Dr. Anuja Odhekar Ma'am. Meanwhile, the problem statements were released at 9 a.m. and the participants were given the time to discuss and choose their desired problem statement.

The participants were then informed about the rules of the hackathon and other accommodations. At 11 a.m., the problem statement preference form was released and the problem statements were allotted according to first come first serve basis so the participants had to be quick on their feet and choose their favoured problem statement. The allotted problem statements were released at 11:30 a.m. and that is when the coding began. The participants started discussing the solutions to their problem statements.

At 3 p.m., after lunch, there was a mentoring round for each domain where the mentors would advise the participants on what they should do in order to make their project better. They did not give out any ideas directly, they instead just nudged them in the right direction. The mentoring round went on till 5 p.m. and at 6 p.m., high tea was offered to all the participants. Keeping in mind the intense hard work that goes into solving modern software problems in a limited time frame, Recreational zones were set up in the seminar hall with provisions of e- games as well as a variety of board games. Additionally, a special musical jam session "Rhythmic Codes" was organized by DJS Beats and Clash Of Codes. They performed some classics, which boosted and revived the participants' spirits. The show went on till 9 p.m., when dinner was given out to all the participants. While some of the committee members were tired, the participants were now determined and focused to code. One of the participants happened to mention that most of the coding happens after 2 a.m. Sleeping arrangements were made for all the



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participants. The team members took turns in sleeping, some slept at night while the others were up coding.

**DAY 2 - 05/03/23**The next morning, the participants were dedicatedly working on their projects and soon, they were called for breakfast. The coding was going to go on till 12 noon on 5<sup>th</sup> March and it was not long before the judges arrived. They were directed to the Seminar Hall and then to their respected labs according to their domains where they had to judge the products of the participants. Each domain had two to three judges for judging the teams. After rigorously judging the 60 teams, the shortlisted final 16 teams were announced for the final round. The final round presentations began at 4 p.m. and after meticulously judging the teams, the overall winners and domain winners were announced at 8:30 p.m. and the winners were given certificates and cheques. The winners are mentioned below:

**Overall Winners:**

Position	Team Name	Participants Name	Prize Money	Affiliation
1	Mango DB	Hetvi Solanki Vinit Shah Avish Jain Drishti Dhingani	₹40,000	Students, DJSCE
2	Inspect Elements	Eshan Trivedi Aryan Parmar Kunal Chaturvedi Hussain Pettiwala	₹20,000	Students, KJSCE
3	Enemies of Syntax	Bhumika Mange Dishant Zaveri Pratham Bhoir Mihir Shinde	₹10,000	Students, DJSCE





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**Domain Winners:**

**AIML:**

Position	Team Name	Participants Name	Prize Money	Affiliation
1	Enemies Of Syntax	Jay Jain, Arihant Sheth Aryan Mehta ,Jash Bhatia	₹10,000	Students, DJSCE
2	Lambda Coders	Jay Patel, Jharana Solanki Kunal Joshi, Yuvraj Thakur	₹5,000	Students, DJSCE

**WEB/APP:**

Position	Team Name	Participants Name	Prize Money	Affiliation
1	O(1)	Mohammed Aamir Khan Jaydeep Jethwa Raviranjana Prasad Abhishek Mishra	₹10,000	Students, Thakur College Of Engineering
2	Mingwx86	Sachin Jangid Jash Doshi Manasi Ghutukade Aditya Surve	₹5,000	Students, Thadomal Shahani College Of Engineering

**BLOCKCHAIN:**

Position	Team Name	Participants Name	Prize Money	Affiliation
1	Spaghetti_Coders_1337	Shiv Bhonde Leander Dsilva Aadil Saudagar Ayush Shah	₹10,000	Students, DJSCE
2	Hogwatts	Yash Brahmhatt Sakshi Pandey Keyur Pancholi Vashisth Zatakia	₹5,000	Students, DJSCE

**Photographs of the event:**

PLOT NO. U-15, JUHU SCHEME, BHAKTIVEDANTA SWAMI MARG, VILE PARLE (WEST), MUMBAI 400 056.  
Tel : +91 4233 5000 / 4233 5001 Email : info@djsce.ac.in Website : www.djsce.ac.in



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Participants coding



Judges



Judging going on



Presentations going on





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Judging



Mentoring

Rhythmic Codes







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Felicitating the Judges





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**Overall Winners**



**First Place**



**Second Place**



**Third Place**

**Blockchain Domain Winners**



**First Place**



**Second Place**





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AIML Domain Winners



First Place



Second Place

Web/App Domain Winners



First Place



Second Place

Outcomes:

- Students gained exposure to real world problems, networked with individuals.
- Students collaborated with everyone, won prize money and also discussed new ideas to make this world a better place.





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Program Outcomes mapped

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2	2	2	2	2	2	2	2	2	2	2	2

Program Specific Outcomes mapped

PSO1	PSO2	PSO3	PSO4
2	2	2	2

Faculty In-charge :

Faculty Co-ordinator  
Dr. Anuja Odhekar  
Branch Counsellor,  
IETE-SF, DJSCE, Mumbai

Dr Meenakshi Rananaware  
Convenor, DJSCE TRINITY

Head of Department  
Dr. Amit A. Deshmukh  
Prof. & Head Department of  
Electronics & Telecommunications  
Engineering, DJSCE, Mumbai

**Attendance of the event:**

PLOT NO. U-15, JUHU SCHEME, BHAKTIVEDANTA SWAMI MARG, VILE PARLE (WEST), MUMBAI 400 056.  
Tel : +91 4233 5000 / 4233 5001 Email : info@djsce.ac.in Website : www.djsce.ac.in



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*Web APP*

Group Number	Team Name	Members	Sign	Lab
1	The Avengers	Vrushali Mitrani Parth	<i>[Signatures]</i>	Heat Transfer Lab (4th Floor)
3	Kuch toh bana hi lenge	Chaitanya Atankrit Hevi Manan	<i>[Signatures]</i>	Heat Transfer Lab (4th Floor)
8	Baznga	Burhanuddin Jemish Devraj Shubh	<i>[Signatures]</i>	Heat Transfer Lab (4th Floor)
10	Nucleators	Jash Divya Saurav Jinish	<i>[Signatures]</i>	Heat Transfer Lab (4th Floor)
X	Aztec	Mihika Sahil	<i>[Signatures]</i>	Heat Transfer Lab (4th Floor)
12	Bigs and fixes	Om Mohit Riya Kshiti	<i>[Signatures]</i>	Heat Transfer Lab (4th Floor)
14	Chinkirinki And Others	Yash Atharv Hiya	<i>[Signatures]</i>	C-R 46A and B (4th Floor)



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28	Code Apocalypse	Soham Jeet Smit Rachit	SDI/PIP Lab (4th Floor)
33	Semicolon:	Vedant Stephen Malay Prathamesh	SDI/PIP Lab (4th Floor)
39	Hacktivists	Mithil Anshika Smit Het	SDI/PIP Lab (4th Floor)
40	Boys Js	Nihal Lance Darsh Sahil	SDI/PIP Lab (4th Floor)
50	Lunatic Byte	Amaan Vivek Kornal Himanshu	SDI/PIP Lab (4th Floor)
51	Bootstrap Paradox	Chinnay Altaf Chandan Mehant	Bio Inst Lab (4th Floor)
55		Mohammed Amir Jaydeep	Bio Inst Lab (4th Floor)





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Block Chain

Group Number	Team Name	Members	Sign	Lab
4	Inspect Elements	Eshan Aryan Kunal Hussain		Embedded System Lab/4th Floor
6	All Stackers	Jhenuil Deep Harsh Arsh		Embedded System Lab/4th Floor
9	Eye on Social	Sachin Prarwal Darshel Sakshi		Embedded System Lab/4th Floor
21	CryptoCaffeine	Bhoomik Nihal Devash Aash		Embedded System Lab/4th Floor
22	Bankai	Prarav Shashank Kumar Manglam Devash		Embedded System Lab/4th Floor
29	Code Squad CF ✓	Rupesh Omkar Rohan Varsh		Embedded System Lab/4th Floor



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		Ravirajan Abhinav	Bio Inst Lab (4th Floor)
		Vinit Avish Henli Drishti	Bio Inst Lab (4th Floor)
56	Mangodb		
<del>58</del>	Code Marshals	Surajit Harshikumar Aditya Kiran	Bio Inst Lab (4th Floor)
<del>X</del>	Coding Buddies	Ayush Prithi	Bio Inst Lab (4th Floor)

byte codes  
CS ✓  
OM  
atnabh. sgr  
Pankaj  
sidhant  
Sundhar  
Savit  
Rishi  
Raj  
Harshil  
Divyesh  
Karthik  
Mayur

The Mistrs



## Department of Electronics and Telecommunication

### DJS Strike 2023



DJS

DJS STRIKE 2023 Organizing Team

**Date:** 3rd April, 2023

**No. of Participants:** 200 SE, TE students

#### **Objective of the activity:**

- To bridge the gap between theoretical and practical knowledge.
- To upskill and equip students with technical paper writing and research abilities.

#### **Contents:**





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DJS Strike 2023, the flagship event of DJSCE IETE-SF, was held on the 3rd of April, 2023. DJS Strike is a platform that aims to encourage students who are passionate about learning and implementing ideas in the form of technical projects. This event is an opportunity for students to broaden their horizons in their respective fields of interest and present their projects with conviction.

The DJS Strike competition entails projects in several domains ranging from software to hardware. From IoT to Database management systems, antenna designing, smart devices and microcontroller applications. The strike competition empowers students to build modern day solution to everyday problems.

Over the fifth semester, students of the third year have ideated, designed and implemented their projects with continued guidance from faculty members. Each project has been through several reviews by internal and external faculty for ensuring steady and continuous growth and progress at each stage. After the project is implemented, a technical paper is written by the students. Students are trained on how to write these papers through workshops and faculty guidance.

On the day of the event, the participants started gathering at the premises at 8:30 a.m. to set up their projects or models in their assigned labs. Once they had finished setting up, all the participants were required to attend the Inauguration ceremony in the Seminar Hall. The event began with an inspiring speech by the Respected Principal, Dr Hari Vasudevan Sir. His words were the perfect motivation for the participants, just before they presented their projects. Following the speech, the Respected VicePrincipal, Dr. Manali Godse Ma'am, and the Respected Head of the EXTC Department, Dr. Amit Deshmukh Sir, unveiled the DJS Strike magazine.

The DJS Strike magazine consists of the technical papers of the projects that take part in the Strike competition. To evaluate the projects demonstrated by the students and aid in the difficult task of selecting the winners, the committee invited two judges for Strike. Their presence enriched the event, as the stories and experiences they shared were inspiring and motivating for the students. After the inauguration ceremony, the participants were escorted to their respective classrooms for the judging process to begin.

Strike was held on the 4th floor. Each team had a time limit of 5 minutes for their presentation, followed by 2 additional minutes given to the judges for questions. This provided the judges with a better understanding of all the components and techniques used by the participants. The judges made sure to evaluate each one thoroughly.

Five of the Strike projects were selected for participating in Spark. The participants of the Strike competition were allotted a time slot in which they had to present. The projects with a working model of



their project had recorded a small demo of it. The judging took place from 10:30 a.m. to 2 p.m., after which lunch was arranged for all the participants.

After lunch, it was time for the participants to receive the results. The results were announced after careful analysis and rigorous discussions among the judges. The list of winners is given below:

**DJS STRIKE Winners:**

Position	Project Name	Participants Name	Faculty Guide	Affiliation
1	Smart Irrigation using IoT	Viraj Deshmukh Shubh Pokarne Saili Mhapankar Kimaya Ved Kashish Patni Darshan Markar	Prof. Archana Chaudhari	DJSCE
2	Robotic Arm on Wheels: A Smart Solution for Industrial Automation	Lav Parmar Shivam Udeshi Nithik Pandya Sreekrishna Nair Soham Shetty Aman Panchal	Prof. Tushar Sawant	DJSCE
3	Footstep Power Generation Tile	Harsh Kumbhat Ishan Shrivastava Atharva Arya Shreedhar Barot Dhruv Panchal Saumya Thakkar	Prof. Rahul Taware	DJSCE

Congratulations to all the winners! The event was a huge success, and we thank all the participants for their efforts and hard work. We look forward to seeing you at the next DJSCE IETE-SF event.



### Photographs of the event:



Participants showcasing their projects to the judges



Committee members with Strike faculty in-charge Prof. Yukti Bandi

### Outcomes:

- Students gained exposure and explored various domains in the electronics and telecommunication field.
- Students came under a common platform to demonstrate their projects and also understood the importance of a technical paper.

Program Outcomes mapped (Please tick the mapped POs):





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PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2	2	2	2	2	2	2	2	2	2	2	2

Program Specific Outcomes mapped (Please tick the mapped PSOs):

PSO1	PSO2	PSO3
2	2	2

Faculty Incharge :

Faculty Coordinator

Dr. Anuja A Odhekar  
Branch Counsellor,  
IETE-SF, DJSCE, Mumbai

Head of the Department

Dr Amit A.  
Deshmukh Prof. & Head,  
Department of Electronics and  
Telecommunications  
Engineering, DJSCE, Mumbai

Shri Vile - Parle Kalvani Mandal's  
**Dwarkadas J. Sanghvi College of Engineering**  
 Vile - Parle (W) Mumbai - 400 056

Department of Electronics and Telecommunication Engg.

**Attendance Sheet**  
 Class: TE EXTC(E1)

Month: --  
 Sub: --

SAP No	NAME OF THE STUDENT																			
<b>Batch E1-1 (DCE)</b>																				
60002200001	Palak koul	<i>Palak</i>																		
60002200002	Ayush Koul	<i>Ayush</i>																		
60002200028	Ansh Shah	<i>Ansh</i>																		
60002200029	Dhruvin Chhadva	<i>Dhruvin</i>																		
60002200031	Hemish Ganatra	<i>Hemish</i>																		
60002200037	Somil Shah	<i>Somil</i>																		
60002200040	Bhaumik Thakker	<i>Bhaumik</i>																		
60002200041	Om Dave	<i>Om</i>																		
60002200043	Vedangi Gupte	<i>Vedangi</i>																		
60002200049	Soham Sawant	<i>Soham</i>																		
60002200050	Harshit Jain	<i>Harshit</i>																		
60002200056	Kushal Tejpal Shah	<i>Kushal</i>																		
60002200057	Khushi Sanghvi	<i>Khushi</i>																		
60002200058	Vatsal Zaveri	<i>Vatsal</i>																		
60002200061	Arsh Nirmal	<i>Arsh</i>																		
60002200062	Jinay Shah	<i>Jinay</i>																		
60002200063	Bhavesh Dhote	<i>Bhavesh</i>																		
60002200064	Om Shah	<i>Om</i>																		
60002200069	Manan Gosrani	<i>Manan</i>																		
60002200071	Vishnu Pedhadiya	<i>Vishnu</i>																		
60002200072	Bhoomik Prakash Shetty	<i>Bhoomik</i>																		
60002200073	Kushal katira	<i>Kushal</i>																		
60002200074	Taher Kapadia	<i>Taher</i>																		
<b>Batch E1-2 (DCE)</b>																				
60002200075	Krushang Vakil	<i>Krushang</i>																		
60002200076	Shrey Shah	<i>Shrey</i>																		
60002200078	Shrushti Thakar	<i>Shrushti</i>																		
60002200080	Priti Poojary	<i>Priti</i>																		
60002200081	Pranali Kurani	<i>Pranali</i>																		
60002200082	Disha Goel	<i>Disha</i>																		
60002200085	Nirali Hirpara	<i>Nirali</i>																		
60002200087	Nithik pandya	<i>Nithik</i>																		
60002200088	Shivam Dandale	<i>Shivam</i>																		
60002200092	Om Singh	<i>Om</i>																		
60002200094	Deep Bhanushali	<i>Deep</i>																		
60002200098	Jeet Shah	<i>Jeet</i>																		
60002200099	Jash Gada	<i>Jash</i>																		
60002200100	Meera Dedhia	<i>Meera</i>																		

60002200107	Om Kapadia	<u>Om</u>																		
60002200108	Ayush Tolia	<u>Ayush</u>																		
60002200112	Vidhi Nayak	<u>Vidhi</u>																		
60002200114	Lav Parmar	<u>Lav</u>																		
60002200117	Hitarthi Shah	<u>Hitarthi</u>																		
60002200118	Shivam Udeshi	<u>Shivam</u>																		
60002200123	Deep Parmar	<u>Deep</u>																		
60002200124	Krish Sampat	<u>Krish</u>																		
60002200128	Hitarth Sharma	<u>Hitarth</u>																		
60002200184	Dhara Patel	<u>Dhara</u>																		
	<b>Batch E1-3 (DCE)</b>																			
60002200129	Rohan Kotian																			
60002200131	Dhruvil shah	<u>Dhruvil</u>																		
60002200134	Shashank Salian	<u>Shashank</u>																		
60002200139	Harsh Kumbhat	<u>Harsh</u>																		
60002200141	Saksham Patesaria	<u>Saksham</u>																		
60002200145	Devesh Agarwal	<u>Devesh</u>																		
60002200147	Akash kataria	<u>Akash</u>																		
60002200151	Manavi jain	<u>Manavi</u>																		
60002200152	Ruchi Abhyankar	<u>Ruchi</u>																		
60002200153	Nimish sabnis	<u>Nimish</u>																		
60002200154	Mohammad Sadiq Khan	<u>Mohammad</u>																		
60002200155	Nihal Nisar Shaikh	<u>Nihal</u>																		
60002200156	Abhay Bhosle	<u>Abhay</u>																		
60002200157	Shweta Joshi	<u>Shweta</u>																		
60002200158	Aditya Patil	<u>Aditya</u>																		
60002200189	Kashish Mistry	<u>Kashish</u>																		
60002210034	Fihaan Solanki	<u>Fihaan</u>																		
60002210035	Surbhi Kulaye	<u>Surbhi</u>																		
60002210036	Gauri Bharat Harsule	<u>Gauri</u>																		
60002210038	Padaya Mohammed Saqlain	<u>Padaya</u>																		
60002210039	Mohammed Owaish Khumar	<u>Mohammed</u>																		
60002210202	Anfaal Mir	<u>Anfaal</u>																		



**Shri Vile - Parle Kalvani Mandal's**  
**Dwarkadas J. Sanghvi College of Engineering**  
 Vile - Parle (W) Mumbai - 400 056

Department of Electronics and Telecommunication Engg.

**Attendance Sheet**

**Class: TE EXTC(E2)**

Month: --

Sub: --

SAP No	NAME OF THE STUDENT																	
<b>Batch E2-1 (DCE)</b>																		
60002200135	Prisha Singhania	<i>[Signature]</i>																
60002200149	Siddharth Nagaokar	<i>[Signature]</i>																
60002200150	Yash Sivramkrishnan	<i>[Signature]</i>																
60002200159	Pranav Saraf	<i>[Signature]</i>																
60002200160	Ayushi Nanavati	<i>[Signature]</i>																
60002200161	Vinit Shah	<i>[Signature]</i>																
60002200163	Mrunmay Mhapankar	<i>[Signature]</i>																
60002200164	Sanika Dawre	<i>[Signature]</i>																
60002200165	Ravin Bavishi	<i>[Signature]</i>																
60002200166	Utsavi lotia	<i>[Signature]</i>																
60002200168	Ankit Sawant	<i>[Signature]</i>																
60002200169	Shailee Dave	<i>[Signature]</i>																
60002200171	Kavish Shah	<i>[Signature]</i>																
60002200172	Raj Davawala	<i>[Signature]</i>																
60002200174	Roshni Magar																	
60002200177	Neeraj Hegde																	
60002200178	Hitakshi Shirude	<i>[Signature]</i>																
60002200179	Meet Gosar	<i>[Signature]</i>																
60002200180	Mihir Dudhatra	<i>[Signature]</i>																
60002200182	Sarthak Acharekar																	
60002200185	Rayaan Juvale	<i>[Signature]</i>																
60002200186	Adit Paresh Vakil	<i>[Signature]</i>																
60002200187	Atharva Shigvan	<i>[Signature]</i>																
60002200188	Rishi Mistry	<i>[Signature]</i>																
60002200191	Shreyas Tawde	<i>[Signature]</i>																
60002200192	Nainika Hadkar																	
60002200193	Prithvi Kollara	<i>[Signature]</i>																
60002200194	Krish Bilakhiya																	
60002210025	Chaitanya Sawant	<i>[Signature]</i>																
60002210026	Vedant Desai	<i>[Signature]</i>																
<b>Batch E2-2 (AIML)</b>																		
60002200046	Rishabh Shukla	<i>[Signature]</i>																
60002200055	Sharath Pai	<i>[Signature]</i>																
60002200060	Dhanvi Choksi	<i>[Signature]</i>																
60002200065	Urvashi Bhushan	<i>[Signature]</i>																
60002200083	Raj Mehta	<i>[Signature]</i>																
60002200084	Vedant Karlekar	<i>[Signature]</i>																
60002200086	Karan Salot	<i>[Signature]</i>																
60002200091	Jatin Soni	<i>[Signature]</i>																
60002200101	Deivagna Vanani	<i>[Signature]</i>																

60002200105	Noopur Parmar	Noopur																		
60002200109	Akhil Nanavati	Akhil																		
60002200119	Sharmila Choudhary	Sharmila																		
60002200125	Kenil Shah	Kenil																		
60002200127	Priyansh Rupani	Priyansh																		
60002200146	Divya Suresh	Divya																		
60002200162	Pratham Jain	Pratham																		
60002200167	Niharika Damodaran	Niharika																		
60002200170	Shubh jatin pokarne	Shubh																		
60002200173	Dev Karnik	Dev																		
60002200181	Vrisha Shah	Vrisha																		
	<b>Batch E2-3 (AIML)</b>																			
60002200024	Asim Wahedna	Asim																		
60002200035	Dev Mehta	Dev																		
60002200067	Siddharth brahmbhatt	Siddharth																		
60002200068	Aashi Modi	Aashi																		
60002200070	Krishna Ashar	Krishna																		
60002200077	Kevin Dedhia	Kevin																		
60002200089	Viraj Deshmukh	Viraj																		
60002200093	Rohan Parikh	Rohan																		
60002200096	Shivam Desai	Shivam																		
60002200120	Kashyapi Shah	Kashyapi																		
60002200133	Saili Mhapankar	Saili																		
60002200136	Khushi Gupta	Khushi																		
60002200142	Ishan Shrivastava	Ishan																		
60002200143	Atharva Arya	Atharva																		
60002200190	Maahi Trivedi	Maahi																		
60002210027	Om Kumbhar	Om																		
60002210033	Harit Acharya	Harit																		
60002210037	Vrund Patel	Vrund																		
60002210061	Parth Gor	Parth																		



Shri Vile - Parle Kalvani Mandal's  
**Dwarkadas J. Sanghvi College of Engineering**  
 Vile - Parle (W) Mumbai - 400 056

Department of Electronics and Telecommunication Engg.

**Attendance Sheet**

**Class: SE EXTC(E1)**

Month: --

Sub: --

SAP No	NAME OF THE STUDENT														
<b>Batch E1-1</b>															
60002210006	VISWANATHAN	ANIRUDDH	RW												
60002210028	SHAH	DARSHIL													
60002210029	PANDYA	MANAV	MPB												
60002210030	SUTHAR	PRATHAM													
60002210031	SAHA	DEBANSHU	Debanshu												
60002210040	BHAN	SAHAT													
60002210042	PANCHAL	DHRUV	dhruv												
60002210043	BAROT	SHREEDHAR	Shub												
60002210045	MARKAR	DARSHAN													
60002210046	SHAH	ARYAN	Shayan												
60002210047	MALI	RITIKA	Ritika												
60002210048	NAIR	RESHMI	Reshmi												
60002210049	PATNI	KASHISH	Kashish												
60002210050	MISTRY	RIDDHESH	Riddhesh												
60002210052	PARMAR	MANISH													
60002210053	MAKWANA	YASH													
60002210062	KARANIA	MONIL													
60002210064	MISHRA	PRATHAM													
60002210066	SHAH	KRIS													
60002210068	SHAH	AASH	Aash												
60002210069	SHAH	DEEP													
<b>Batch E1-2</b>															
60002210070	PATEL	DIKSHA													
60002210072	CHANDRA	AARYA	Aarya												
60002210073	SHAH	SUJAL													
60002210074	SHAH	DEVARSH													
60002210075	CHANAKYA	OJAS													
60002210078	UPADHYAY	MAHEK	Mahek												
60002210079	GABANI	OM													
60002210082	THAKKAR	SAUMYA	Shub												
60002210083	GANDHI	PRISHA													
60002210084	KODALI	CHAITRATHEJASVI													
60002210088	RATHOD	KARAN													
60002210090	GOKANI	VRAJESH	Vrajesh												
60002210091	SHAH	ROHAN													
60002210094	GUDHKA	RAJ	Raj												





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**Dwarkadas J. Sanghvi College of Engineering**  
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Department of Electronics and Telecommunication Engg.

**Attendance Sheet**

**Class: SE EXTC(E2)**

Month: -

Sub: -

SAP No	NAME OF THE STUDENT																	
<b>Batch E2-1</b>																		
60002210134	BHUSHAN	TULSI																
60002210137	AHIRE	OM																
60002210139	SAWALKA	SUHANI	<i>Sawalka</i>															
60002210143	KHANNA	AADIT																
60002210144	BHIMAVAT	SHUBHAM																
60002210145	MATTAPARTHI	TIRUMALA RAO																
60002210148	NADKARNI	PRASANNA																
60002210151	RANA	SHEEL	<i>Rana</i>															
60002210152	DESHPANDE	AKSHIT																
60002210153	BHAVSAR	RUDRA	<i>Bhavsar</i>															
60002210154	NAIR	SREEKRISHNA	<i>Nair</i>															
60002210155	TELANG	YASH																
60002210157	MISTRY	AKHIL																
60002210158	SHETTY	SOHAM	<i>Shetty</i>															
60002210159	LONDHE	TANMAY																
60002210160	PATHAK	SHREYA																
60002210163	SHAH	JENIL																
60002210164	BAIT	ARYA	<i>Bait</i>															
60002210166	CHAYANI	ADITI																
60002210168	KALE	MANJIRI																
<b>Batch E2-2</b>																		
60002210170	SHRIYAN	DIYA																
60002210171	JAIN	SUJAL	<i>Jain</i>															
60002210172	SHAH	SMEET	<i>Shah</i>															
60002210173	NAIR	PALAK																
60002210174	PATEL	PASHWA	<i>Patel</i>															
60002210175	JETHWA	OM																
60002210176	PATEL	RUSHI	<i>Patel</i>															
60002210177	SHETH	SHREY																
60002210179	SHAH	HET	<i>Shah</i>															
60002210180	PANDYA	MAHEK																
60002210181	MANE	SAKSHI																
60002210183	KAKADIA	NIKHIL	<i>Kakadia</i>															
60002210184	ROKADE	AARYA																
60002210185	KALSARA	ROHIT	<i>Kalsara</i>															
60002210186	AKULA	ATHARVA																
60002210187	MANIAR	VIDHI	<i>Maniar</i>															



60002210188	GANDHI	VAIBHAVI	<i>Nyganndhi</i>
60002210189	RANE	UNNATI	<i>Unnati</i>
60002210193	RAVAL	AARYAN	<i>Raavayn</i>
60002210196	NADKARNI	SONIA	
<b>Batch E2-3</b>			
60002210197	MISTRY	HEET	
60002210198	PAGARIYA	VAIBHAV	<i>Pa</i>
60002210199	DEOTALE	ABHINAV	
60002210201	SHAH	DHRUVI	
60002210204	PANCHAL	AMAN	<i>Panchal</i>
60002210206	MODI	DEEPESH	<i>Modi</i>
60002210207	GOTI	SHUBHAM	<i>G</i>
60002220079	BHOSALE	MANASI	
60002220080	SINGH	JITENDRA	
60002220082	LOHAR	GIRISHKUMAR	
60002220245	LAKKAD	JASH	<i>Lakkad</i>
60002220246	SHAIKH	MOHHAMEDZAIID	<i>Shai</i>
60002220073	VAJANI	VINIT	
60002220074	VYAS	CHINMAY	<i>V</i>
60002220244	SHETH	SUVASI	<i>Sheth</i>
60002220248	THAKUR	NIHARIKA	
60002220249	JOSHI	JEETMANYA	
60002220250	SHAH	DHARAK	
60002220251	KURWA	YASH	
60002220252	PANCHAL	AARCHI	

← Grp

1   2   3   4   5   6   7   8   9   10  
~~11~~   ~~12~~   ~~13~~   ~~14~~   ~~15~~   ~~16~~   ~~17~~   ~~18~~   ~~19~~   ~~20~~  
 21   22   (23)   ~~24~~   25   (26)   ~~27~~   28   29   30  
 31   (32)   ~~33~~   (34)   35   ~~36~~   ~~37~~   38   ~~39~~   40  
 41   42   43   44   45   46   47   48   49   50





## Department of Electronics and Telecommunication

### DJS Spark 2023



DJS

SPARK 2023 Organizing Team

**Date:** 3rd April, 2023

**No. of Participants:** 200 SE, TE & BE students

#### **Objective of the activity:**

- To bridge the gap between theoretical and practical knowledge.
- To upskill and equip students with technical paper writing and research abilities.

#### **Contents:**



## DJS Spark 2023: Bridging the Gap between Theory and Practice

DJS Spark 2023, organized by the DJSCE IETE-SF, was held on April 3rd, 2023, with the objective of bridging the gap between theoretical and practical knowledge among SE, TE, and BE students. The event provided an opportunity for students to showcase their technical project ideas and develop their research and technical paper writing skills. The event attracted 200 students who were enthusiastic about learning and implementing ideas in their respective fields.

The event began with the participants setting up their projects or models in their assigned labs. Soon after, all the participants were present in the Seminar Hall for the Inauguration ceremony, which was inaugurated by the Respected Principal, Dr. Hari Vasudevan Sir. He delivered an inspiring speech that motivated the participants to give their best during their project presentations.

After the speech, the Respected Vice-Principal, Dr. Manali Godse Ma'am, and the Respected Head of the EXTC Department, Dr. Amit Deshmukh Sir, unveiled the three magazines: DJS Ignite, DJS Spark, and DJS Strike. The DJS Ignite magazine consists of a yearly summary of events and some thoughts of students. The DJS Spark magazine consists of technical papers of the projects that take part in the Spark competition.

The committee had invited two judges for Spark to evaluate the projects demonstrated by the students and aid in the difficult task of selecting the winners. The participants were escorted to their respective classrooms for the judging to begin. Spark was held on the 5th floor, and participants from colleges outside Mumbai participated in Spark through an online meeting.

The participants had a time limit of 5 minutes for their presentation, and then 2 more minutes were given to the judges for questions. The judges were very invested in all the projects and asked many questions to understand the components or techniques the participants had used.

After lunch, it was time for the results. The judges announced the winners after careful analysis and rigorous discussions. The winners of the DJS Spark competition were as follows:

### **DJS SPARK Winners:**



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



Position	Project Name	Participants Name	Faculty Mentor	Affiliations
1	Implementation of a Robotic Arm	Bhaumik Thakker Vedangi Gupte Taher Kapadia Om Gabani Ojas Chanakya	Prof. Mrunalini Pimpale	Dwarkadas J. Sanghvi College of Engineering.
2	Real Time Package Delivery System	Annu Yadav Drashti Thakkar Jatin Suvarna Harsh Rai		St. Francis Institute of Technology
3	Dual Axis Solar Tracker with Weather Forecast	Om Singh Deivagna Vanani Om Shah Awadesh Thakur Darshil Shah Pratham Mishra	Prof. Yukti Bandi	Dwarkadas J. Sanghvi College of Engineering.
3	Detection and prediction of Air Pollution using Machine Learning	Tushar Ghanvir		YCCE Nagpur

The DJS Spark 2023 event was successful in achieving its objective of bridging the gap between theoretical and practical knowledge. The participants were able to showcase their technical project ideas and develop their research and technical paper writing skills. The event provided an opportunity for students to broaden their horizon in their respective field of interest and present it with conviction.

The event was a learning experience for the participants as they received feedback from the judges on their projects. The judges shared their experiences and inspired the participants to continue to learn and





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innovate. The event was also an opportunity for the participants to network and collaborate with students from other colleges and broaden their knowledge.

In conclusion, the DJS Spark 2023 event was a success in providing an opportunity for SE, TE, and BE students to showcase their technical project ideas and develop their research and technical paper writing skills. The event bridged the gap between theoretical and practical knowledge.



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Photographs of the event:



Unveiling of the three magazines



Students demonstrating projects to the judges



Project Demonstration



Judges & Faculty Members

Outcomes:

● Students gained exposure and explored various domains in the electronics and telecommunication field. Tel : +91 4233 5000 / 4233 5001 Email : info@djsce.ac.in Website : www.djsce.ac.in

- Students came under a common platform to demonstrate their projects and also understood the importance of a technical paper.



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Program Outcomes mapped

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO12
2	2	2	2	2	2	2	2	2	2

Program Specific Outcomes mapped

PSO1	PSO2	PSO3	
2	2	2	

Faculty Incharge :

Faculty Coordinator  
Dr. Anuja A Odhekar  
Branch Counsellor,  
IETE-SF, DJSCE, Mumbai

Head of the Department  
Dr Amit A. Deshmukh  
Prof. & Head, Department of  
Electronics and Telecommunications  
Engineering, DJSCE, Mumbai






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**DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



# DJS SPARK ATTENDANCE SHEET

Date : 3/04/23

Sr no	Topic	Member 1 (name and signature)	Member 2 (Name and signature)	Member 3 (Name and signature)	Member 4 (Name and signature)	Member 5 (Name and signature)	Member 6 (Name and signature)
1.	Adaptive Resuscitator Ventilator	Zakshi Mohit (Z Mohit)	Swastik Rao Swastik	Anand Anumugam A	Shailen Patnaik (Absent)		
2.	Forest fire detection using Convolutional Neural Network (CNN) Model						
3.	A Review On Current Technological Advancements In Prosthetic Arms						
4.	Hand_Gesture_Vocalizer						
5.	Advance Multi-Functional Surveillance System	Rushmi Doshi Rushmi	Ravi Chandrakant Ravi	Saurabh Shah Saurabh			
6.	ONLINE EXAM MONITORING	Sahil Savaj S	Vatsal Tolia Vatsal	Ridham Suhagiyra Ridham			
7.	Cancer Prediction System Using XG Boost Classifier Machine Learning Algorithm						
8.	E-Commerce Recommendation System	Khushi Gandhi Khushi	Jilli Karia Jilli	Aaryan Shah Aaryan			
9.	Comparative Study on Ant Colony Optimization and Genetic Algorithm for Solving Travelling	SRUSHTI JAIN S Jain	NISHANT BOLOOR Nishant				

  
 Dr. Anuja Odhekar  
 ( Branch Counsellor, DJSCE IETE-SF)

# DJS SPARK ATTENDANCE SHEET

Date : 3/04/23

Salesmen	Problem						
10.	Learner- A Course Recommendation System						
11.	Glaucoma Detection Using CNN	Abhijay <i>Abhijay</i>	Kushal K <i>Kushal K</i>				
12.	AI/ML Based Chat/Voice bot in Smart Menus	Arya Gada <i>Arya</i>	Manan Shah <i>Manan</i>	Viral Rathod <i>Viral</i>			
13.	LICENSE PLATE RECOGNITION SYSTEM	Peeyush Shah <i>Peeyush</i>	Manav Shah <i>Manav</i>	Digen Thosari <i>Digen</i>			
14.	Crop Recommendation System	Harshit Singh <i>Harshit</i>	Shubham Kumbhar <i>Shubham</i>				
15.	Real-Time Package Tracking System Delivery Tracker	Annu Gada <i>Annu</i>	Droshiti Thakkar <i>Droshiti</i>	Jatin Surwase <i>Jatin</i>	Haran Rai <i>Haran</i>	-	-
16.	IOT based cow health monitoring system	Ishita Panda <i>Ishita</i>	Diya Shah <i>Diya</i>	Sanyak Shah <i>Sanyak</i>			
17.	Expense Management system	Dishabhoel <i>Disha</i>	Shroshiti Thakkar <i>Shroshiti</i>	Manan Mistay <i>Manan</i>	Abhraj Shah <i>Abhraj</i>		
18.	Dual Axis Solar Tracker System	Om Shah <i>Om</i>	Devagna Vanani <i>Devagna</i>	Om Singh <i>Om</i>	Pratham Mishra <i>Pratham</i>	Denshil Shah <i>Denshil</i>	A wadhesh Thakur <i>A wadhesh</i>
19.	"Clean-Bot - A House Cleaning Robot"	Mahek Upadhyay <i>Mahek</i>	Dishabhoel <i>Dishabhoel</i>	Hitarthi <i>Hitarthi</i>	Prithi <i>Prithi</i>	Rishmi <i>Rishmi</i>	Aash Shah <i>Aash</i>
20.	ROS operated manipulator	Om Gabani <i>Om</i>	Ojas C. <i>Ojas</i>	Sahat B. <i>Sahat</i>	Bhaumik Thakker <i>Bhaumik</i>	Vedangi Gupte <i>Vedangi</i>	Taher Kapadia <i>Taher</i>

Mannan Singhvi  
*Mannan*

SRP  
12

  
 Dr. Anuja Ganekar  
 ( Branch Counsellor, DJSCE IETE-SF )



# DJS SPARK ATTENDANCE SHEET

Date : 3/04/23

21.	Quantam Key Distribution (QKD-BB84)	Harit Acharya <u>Harit</u> MEM 01	Vrunda Patel <u>Vrunda</u>	Parth Gaur <u>Parth</u>	Shoaib Attan <u>Shoaib</u>	Chaitra Thejasvi <u>K. Thejasvi</u>	Ujwal (Aps) Thakur
22.	Detection and Prediction of Air Pollution using Machine Learning Model						
23.	IRIS INPUT FOR COMPUTER INTERACTION						
24.	Customer, Inventory and Sales Management	Saimm <u>Saimm</u>					
25.	IoT Based Smart Farming System						
26.	Underground Fault Detection						
27.	HeartBeats: Emotion Based Music Recommendation using ECG Sensor	Aditi <u>Aditi</u>	Kritika <u>Kritika</u>	Adrika <u>Adrika</u>			
28.	Multivariate Health Monitoring Device	Mokshit Gandhi <u>Mokshit Gandhi</u>	Rishi Sankh <u>Rishi</u>	Saiyam Doshi <u>Saiyam</u>	Vrushali Mehta <u>Vrushali</u>		
29.	Product Recommendation System	<u>Aditya</u>	Aditya <u>Aditya</u>				
30.	Smart Traffic	<u>Harshvardhan</u> Varidya	AS Gandhi <u>AS Gandhi</u>	<u>Purnima</u>	<u>Deva</u>		

*Anuja*

Dr. Anuja Odhekar  
( Branch Counsellor, DJSCE IETE-SF)