

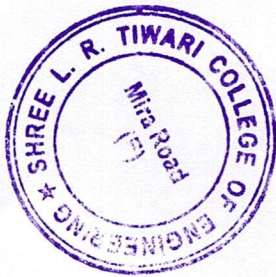
Shree Rahul Education Society's (Regd.)

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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Minority Status (Hindi Linguistic)

Unifying Learning

Sr. No.	Document
1.	Unifying Learning Activity Summary 2023-2024
2.	Unifying Learning Activity Summary 2022-2023
3.	Unifying Learning Activity Summary 2021-2022
4.	Unifying Learning Activity Summary 2020-2021
5.	Unifying Learning Activity Summary 2019-2020
6.	Unifying Learning Activity Summary 2018-2019



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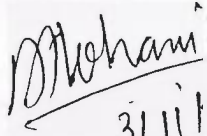
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

AY 2023-24(ODD)

Unifying Learning Activity Summary

Sr. No.	Class	Title of Session	Name of the student who conducted	Number of students Present
1.	SE	Introduction to Arduino	Pranav Anchan (TE XTC)	37
2.	TE	Guidance for Placement	Abhinav Pandey (BE XTC)	20


Mrs. Aparna Majare
Unifying Learning Coordinator


Mrs. Aboli Moharil
HOD (EXTC)


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Department of Electronics and Telecommunication Engineering

UNIFIED LEARNING ACTIVITY ATTENDANCE SHEET

Session on

Academic Year: 2023-24

CLASS: TE

SEM: V

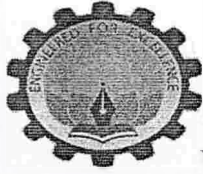
Date: 18/10/2023

Sr.No.	Name of Students	Signature
1.	Aryan Amare	Aryan Amare
2.	Jay Gangan	Jay
3.	Nibish Choudhary	Nibish
4.	Pyush Jha	Pyush Jha
5.	Sanjana Kahan	S
6.	Sakshi Deone	Sakshi
7.	Harshada More	Harshada
8.	Ragunpreet Singh	Ragunpreet
9.	Ayush Pimpurkar	Ayush
10.	Shaikh Norman	Norman
11.	Gaurav Mishra	Gaurav
12.	Abha Dave	A. K. Dave
13.	Shruti Mishra	Shruti
14.	Pratham Sapkal	Pratham
15.	Sharman Kadam	Sharman
16.	Harsh Singh	Harsh
17.	Krupesh Patil	Krupesh
18.	Ansu Prasad	Ansu
19.	Anchan Pranav	Anchan
20.	Shivam Bharati	Shivam

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DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

UNIFIED LEARNING ACTIVITY REPORT AY2023-24

Title of the Session: Guidance for Placement

Date: 18/10/2023

Timings: 12:45 pm-1:45pm

Venue: Classroom 408

Number of participants: 20

Speakers: Abhinav Pandey (BE EXTC Student)

Objectives:

- 1) To understand roadmap to crack interview
- 2) To encourage students to go for internship.

Target Groups: Third Year EXTC students

Knowledge acquired by the seminar:

The session started with a comprehensive overview of the college placement process, aiming to provide them with a deeper understanding of how it functions. The critical components for successful placement, including aptitude, DSA, projects, communication skills, and company analysis, were highlighted. The session emphasized the role of Data Structures and Algorithms (DSA) in interviews and presented a roadmap for DSA mastery. The importance of DSA has been explained with following points-

How to Build a Strong Foundation-

- Begin with a clear understanding of fundamental DSA concepts.

Coding Practice-


- Solve a variety of DSA problems on platforms like LeetCode and Codeforces.
- Focus on developing efficient and bug-free code.

Algorithm Analysis-

- Learn and analyse common sorting and searching algorithms.

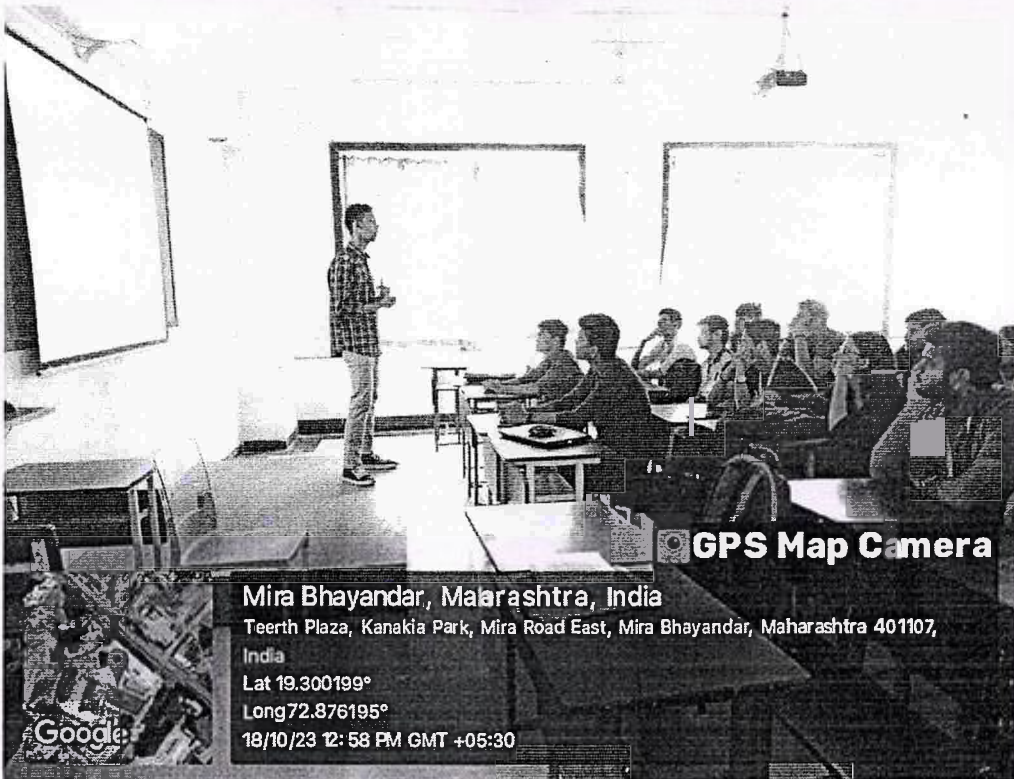
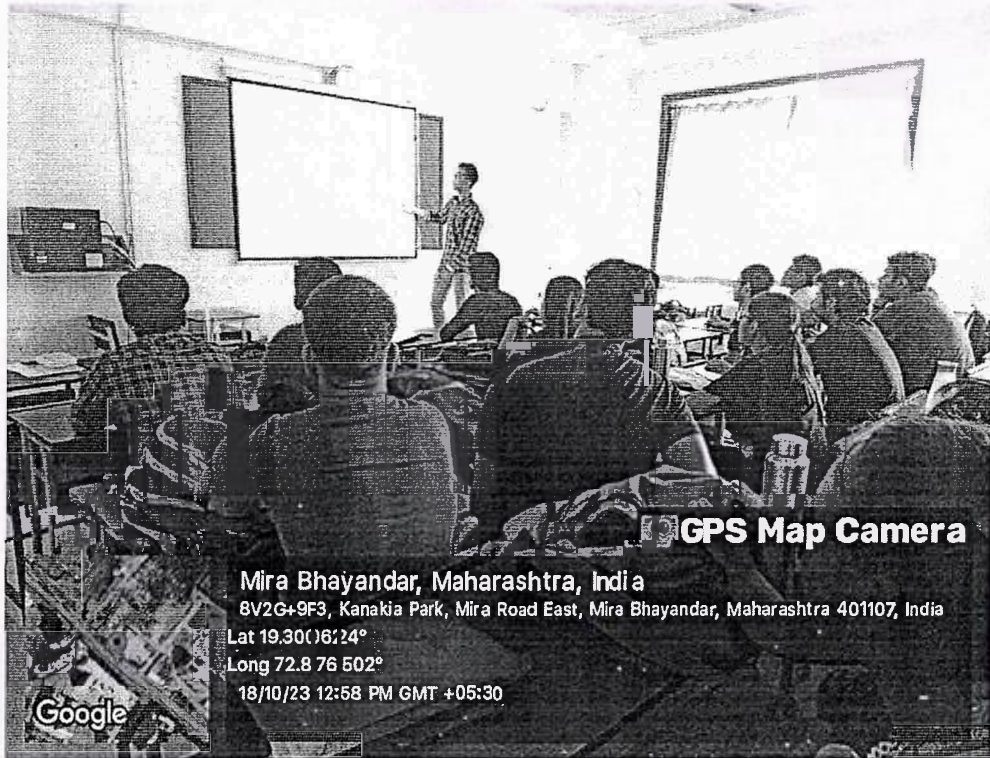
Project Work-

- Implementation of DSA concepts in real projects or personal coding projects.


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To,

Abhinav Pandey

BE Student, Electronics & Telecommunication Engineering,

Shree L. R. Tiwari College of Engineering, Mira Road, Thane

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of Shree L. R. Tiwari College of Engineering for the session conducted by you on "Guidance for Placement" for Third Year Electronics & Telecommunication students on 18th October 2023.

Your session was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the future.

Thanking You,

Aboli Moharil
19/10/2023
HOD

Mrs. Aboli Moharil



Receiver
Abhinav Pandey
25/10/2023

Principal
PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

UNIFIED LEARNING ACTIVITY

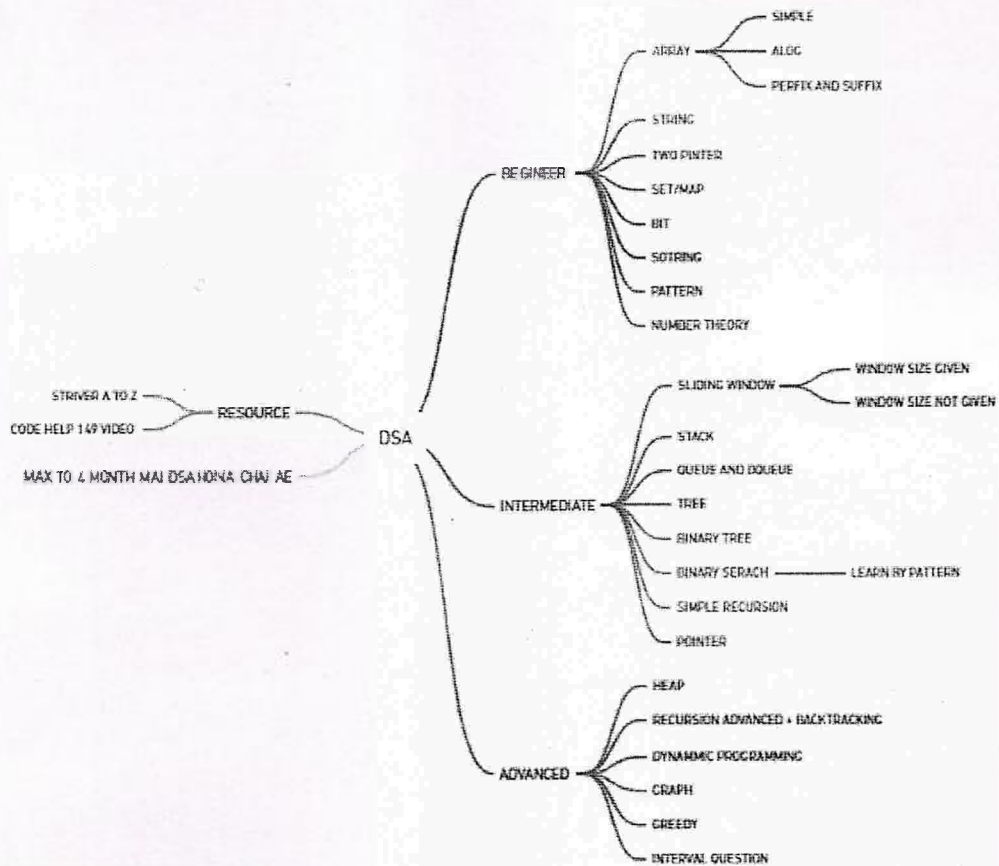
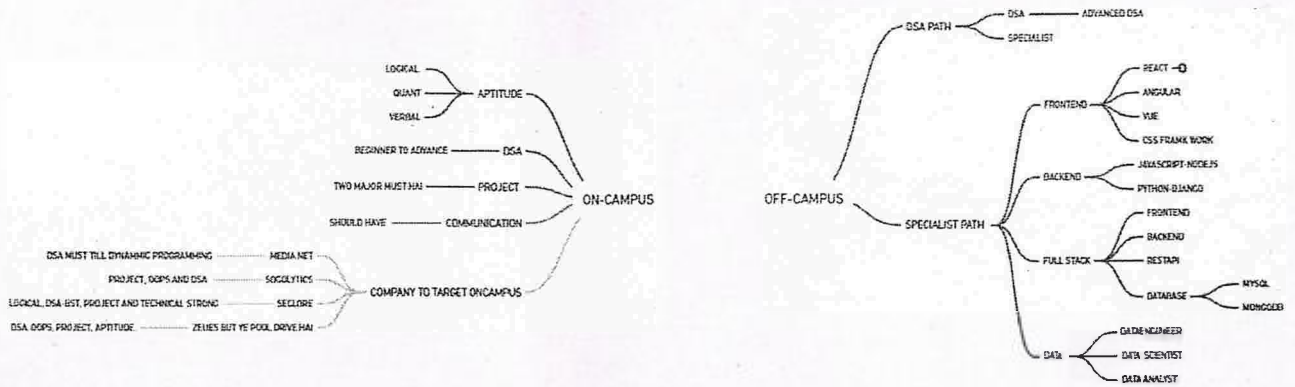
Session on: Guidance for Placement

Conducted by: Abhinav Pandey (BE EXTC)

CLASS: TE

SEM: V

Date: 18/10/2023



(Signature)

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Department of Electronics and Telecommunication Engineering

UNIFIED LEARNING ACTIVITY ATTENDANCE SHEET

Session on

Introduction to Arduino

Academic Year: 2023-24

CLASS: SE
SR-ND

SEM: III

Date: 03/10/2023

Roll No.	Name of Students	Signature
1.	Nilesh Yadav	
2.	Mali Santosh	
3.	Ayush Choudhary	
4.	Ayush Gaireola	
5.	Abhishat Dha	
6.	Maurya Anju Gyanendra	
7.	Vaibhan Lad	
8.	Harsh shukla	
9.	Akshat Giri	
10.	Srinan Yash Purohit	
11.	YADAV ASAY RAMAATAR	
12.	Upadhyay Nisanjan	
13.	Maurya Raja S	
14.	Vishwakarma Mangesh Rajendra	
15.	Chetan Singh	
16.	Pooja Shinde	
17.	Kriti Singh	

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18.	Sneha Singh	<u>Sneha</u>
19.	Komal Yadav	<u>Komal</u>
20.	Antima Vauma	<u>Antima</u>
21.	Pranali Babar	<u>PR</u>
22.	sakshi Dubey	<u>sakshi</u>
23.	Aryan Thesia	<u>Aryan</u>
24.	Rahul Gondare	<u>Rah</u>
25.	Gaurang Tiwari	Gaurang
26.	Any Gorav	<u>Any</u>
27.	Yash Shevade	<u>Yash</u>
28.	Shubham Pal	<u>Shubham</u>
29.	Pankaj Yashil	<u>Pankaj</u>
30.	Singh Uddeshya	<u>Uddeshya</u>
31.	Manoj mawdyg	<u>Manoj</u>
32.	Sumeet .h. Singh	<u>Sumeet</u>
33.	Krishna Halemani	<u>Krishna</u>
34.	Suhani Singh	<u>Suhani</u>
35.	YADAV ANIL	<u>Anil</u>
36.	Shukla Abhishek	<u>Shukla</u>
37.	Choudhary Jaydesh	<u>Jaydesh</u>
38.		
39.		
40.		

Total No. of students present: 37

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DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

UNIFIED LEARNING ACTIVITY REPORT AY2023-24

Title of the Session: Introduction to Arduino

Date: 03/10/2023

Timings: 9:15 am-10:15am

Venue: Lab 410

Number of participants: 37

Speakers: Pranav Anchan (TE EXTC Student)

Objectives:

- 1) To gain basic knowledge of Arduino
- 2) To know about uses/applications of Arduino

Target Groups: Second Year EXTC students

Knowledge acquired by the session:

The Arduino session was started with the introduction to Arduino. It is an open platform based on easy-to-use hardware and software.

Key features of Arduino:

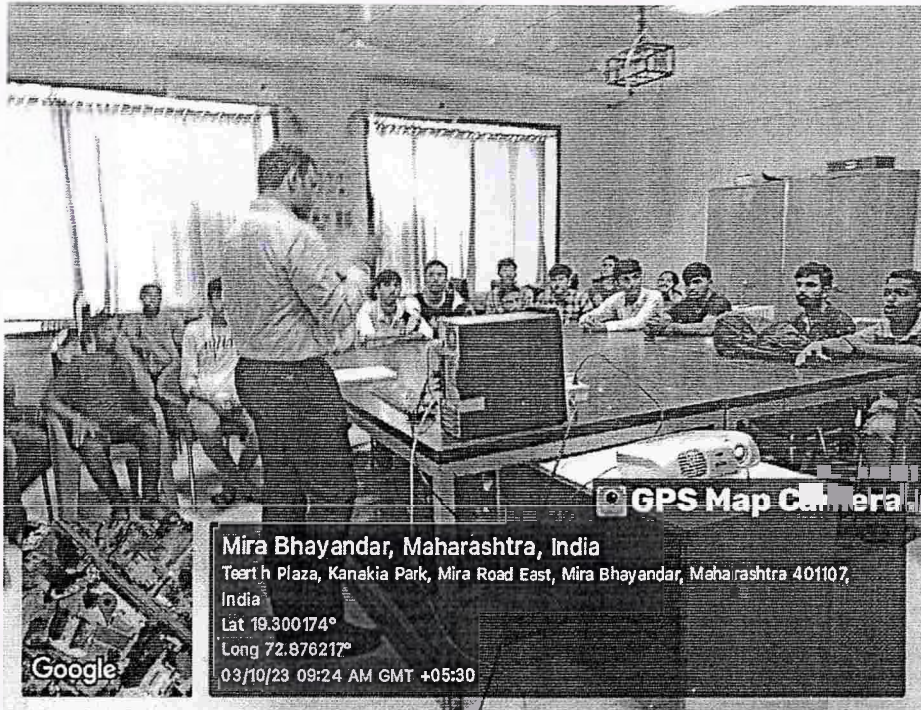
- The operating voltage of 5 V
- Input voltage ranges from 7V to 12V
- Digital I/p o/p pins are 14
- Flash memory is 32 KB
- DC current for 3.3V pin is 50mA.

Further leading to the important functions of Arduino. Students were explained how Arduino actually works and how to select Arduino IDE (Integrated Development Environment) is a software application used for writing, compiling, and uploading code to Arduino. Arduino can also be used for various other purposes like Home Automation, IOT, Wearable Electronics, Home Security System, Robotics, DIY gadgets and Gizmos. The micro-controller used here is cost efficient which will benefit for major output with less input. These all are the factors explained to the students and the future scope of Arduino has great benefit to one's growth.

Shree L. R. Tiwari College of Engineering
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(S)

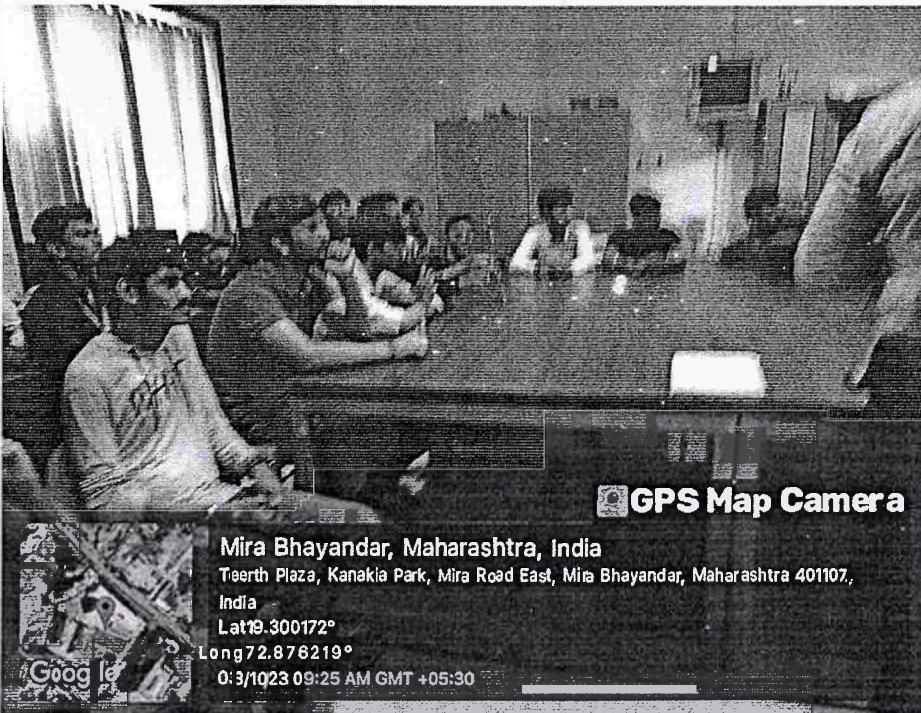


Geo Tag Images:



Mira Bhayandar, Maharashtra, India
Teerth Plaza, Kanakia Park, Mira Road East, Mira Bhayandar, Maharashtra 401107,
India
Lat 19.300174°
Long 72.876217°
03/10/23 09:24 AM GMT +05:30

Google

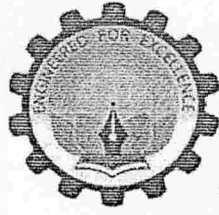


Mira Bhayandar, Maharashtra, India
Teerth Plaza, Kanakia Park, Mira Road East, Mira Bhayandar, Maharashtra 401107,
India
Lat 19.300172°
Long 72.876219°
03/10/23 09:25 AM GMT +05:30

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Minority Status (Hindi Linguistic)

To,
Pranav Anchan
TE Student, Electronics & Telecommunication Engineering,
Shree L. R. Tiwari College of Engineering, Mira Road, Thane

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of **Shree L. R. Tiwari College of Engineering** for the session conducted by you on "Introduction to Arduino" for Second Year Electronics & Telecommunication students on 3rd October 2023.

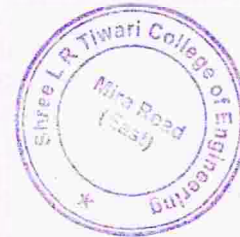
Your session was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the future.

Thanking You,

Moharil
3/10/2023
HOD

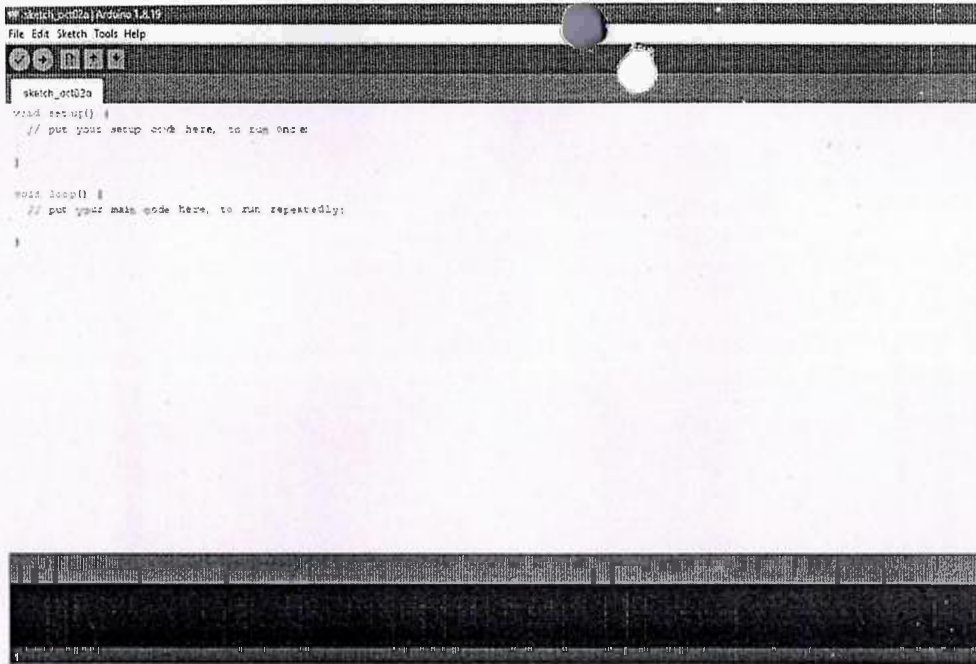
Mrs. Aboli Moharil



[Signature]
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Kanakiya Park, Mira Road (E).

Received
for
3/10/23



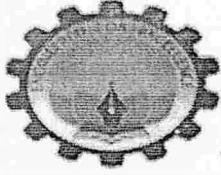
APPLICATION OF ARDUINO:

Arduino is a versatile platform that can be used in a wide range of applications, both for projects and professional applications. Here are some common applications of Arduino:

1. **Home Automation:** Arduino can be used to control lights, fans, thermostats, and other appliances. It can also integrate with sensors for smart home automation.
2. **IoT (Internet of Things) Projects:** Arduino can be connected to the internet, allow data from various sensors and send commands remotely, making it ideal for IoT applications.
3. **Wearable Electronics:** Arduino can be integrated into clothing and accessories to create electronics, including smart clothing, health monitoring devices, and gesture-control devices.
4. **Home Security Systems:** Arduino can be used to build DIY home security systems including motion detectors, door/window alarms, and surveillance cameras.
5. **DIY Gadgets and Gizmos:** Enthusiasts use Arduino to create various gadgets, including displays, music players, smart mirrors, and other DIY projects limited only by creativity.
6. **Robotics:** Arduino is widely used in robotics for controlling motors, sensors, and actuators to build robots for various purposes, including educational projects and industrial automation.


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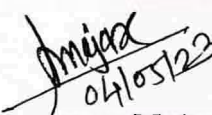
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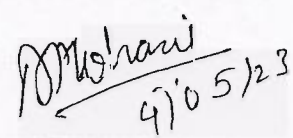
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

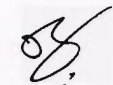
AY 2022-23

Unifying Learning Activity Summary

Sr. No.	Class	Title of Session	Name of the student who conducted	Number of students Present
1.	SE	Becoming the ultimate you	1.Mala Soren(TE XTC) 2.Disha Kamble (TE EXTC)	23
2.	TE	Career in Cyber Security	1. Dhrumil Mistry (BE XTC)	37
3.	SE	Introduction to Cyber Security & Guidance for internship in Printing Industry	1.Jas Parmar (BE XTC) 2.Subodh Nagvekar (TE EXTC)	19
4.	TE	Web Development	1.Saad Shaikh (BE EXTC)	23


Mrs. Aparna Majare
Unifying Learning Coordinator


Mrs. Aboli Moharil
HOD (EXTC)


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Department of Electronics and Telecommunication Engineering

UNIFIED LEARNING ACTIVITY ATTENDANCE SHEET

Session on

- 1) "cyber security", by Jas Parmar (EE ETC)
- 2) "Heidelberg Machinery (Printing)", by subodh N. (TE ETC)

Academic Year: 2022-23

CLASS: SE

SEM: IV

Date: 10/4/2023

Roll No.	Name of Students	Signature
1.	AMARE ARYAN JITENDRA	A
2.	ANCHANPRANAVPRAKASH	Pa
3.	BHARALI SHIVAM BIPUL	Shivam Bharali
4.	BHARATA RANI VENKATAIAH	A
5.	BHUL SURAJ DINESH	A
6.	BISHT YASH HARISH	A
7.	CHOUDHARY NITISH MANOJ	A
8.	DARNULE ANKITA KIRAN	Ankita
9.	DAVE ABHA KETAN	A. K. Dave
10.	DEORE SAKSHI YASHWANT	Sakshi
11.	GANESH MAHESH TIPPANNA	A
12.	GANGAN JAY GANESH	Jay
13.	JHA PIYUSH AJAY	A
14.	JHA SATYAM GAGAN	A
15.	KADAM SHARMAN SAMARPAL	Sharm
16.	KAHAR SANJANA MUKESH	Sanjana

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17.	KENJALE AKSHAY ASHOK	A
18.	KOTIAN VIKAS SOMNATH	Vikas
19.	MANDALATULNANDAN	A
20.	MAURYA ANKIT SAMARBAHADUR	A
21.	MISHRA ADARSHKUMAR RANAMBIKA	A
22.	MISHRA DIVYA ASHWANI	Divya
23.	MISHRA GAURAV JAIPRAKASH	Gaurav
24.	MISHRA SHRRUTI ARVIND	Shruti
25.	MORE HARSHADA SUBHASH	Shore
26.	MORE PRASANNA VIKAS	A
27.	PAL RITIKKUMAR TRIBHUVAN	A
28.	PAL VIVEK RAJENDRA	A
29.	PATIL KRUPESH HARISH	KRUPESH
30.	PIMPARKAR AYUSHI BALU	A
31.	PRASAD ANSU RAMASHANKAR	Ansu
32.	RAI ANIKET SUNIL	A
33.	SALIAN POORNIMA HARISHCHANDRA	A
34.	SAPKAL PRATHAM DILIP	Pratham
35.	SHAIKH NOVMAN SAQUIB ABDUL RAHMAN	A
36.	SHARMA DHRUV YATISH	A
37.	SHYAM KRISHNA RAMESH	Shyamkrishna
38.	SINGH GAGANPREET GURVENDER	A
39.	SINGH HARSH DHANANJAY	Harsh


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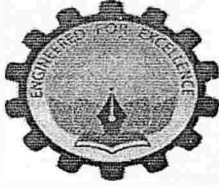
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40.	TIWARI KARTIKEYA AKHILESH	A
41.	WADHWANA SAHIL SANJAY	<i>Sahil</i>
42.	WAGHARE RATNESH SHAILESH	A
43.	YADAV ABHISHEK SHRINATH	A
44.	YADAV NAINIET SHIVSHANKAR	A
45.	YADAV SAURABHA RAJESH	A

Total No. of students present: 19

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To,

Subodh Nagvekar

**TE Student, Electronics & Telecommunication Engineering,
Shree L. R. Tiwari College of Engineering, Mira Road, Thane**

Subject: Letter of Appreciation

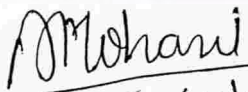
Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of Shree L. R. Tiwari College of Engineering for the session conducted by you on "Guidance for internship in Printing Industry" for Third Year Electronics & Telecommunication students on 10th April 2023.

Your session was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.


We appreciate and hope to receive the same response and support from you in the future.

Thanking You,


HOD - 24/04/2023

Mrs. Aboli Moharil




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Minority Status (Hindi Linguistic)]

To,

Jas Parmar

**BE Student, Electronics & Telecommunication Engineering,
Shree L. R. Tiwari College of Engineering, Mira Road, Thane**

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of Shree L. R. Tiwari College of Engineering for the session conducted by you on **“Introduction to Cyber Security”** for Third Year Electronics & Telecommunication students on 10th April 2023.

Your session was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the future.

Thanking You,

Moharil
HOD 24/04/2023

Mrs. Aboli Moharil



[Signature]

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NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified [DTE Code No.: 3423
Minority Status (Hindi Linguistic)]

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

UNIFIED LEARNING ACTIVITY REPORT AY2022-23

Title of the Session: Introduction to Cyber Security and Guidance for internship in Printing Industry

Date: 10/4/2023

Timings: 9:15 am-10:15am

Venue: Classroom 408

Number of participants: 19

Speakers: Subodh Nagvekar (TE EXTC Student) and Jas Parmar (BE EXTC Student)

Objectives:

- 1) To understand the need of knowledge of cyber security.
- 2) To encourage students to go for internship.

Target Groups: Second Year EXTC students

Knowledge acquired by the seminar:

The session started with the basics of Cyber security which is the protection of computer systems and networks from information disclosure, theft, or damage to the hardware, software, or any sort of data by Jas Parmar. It is a domain which aims to protect the information / data from any malicious activity. Some hands-on examples were explained. The session created an awareness among the students about needs and future scope of the domain.

Then Subodh presented the topic Printing Machines and different types of Heidelberg printing machines. He explored each type of machine along with his experience

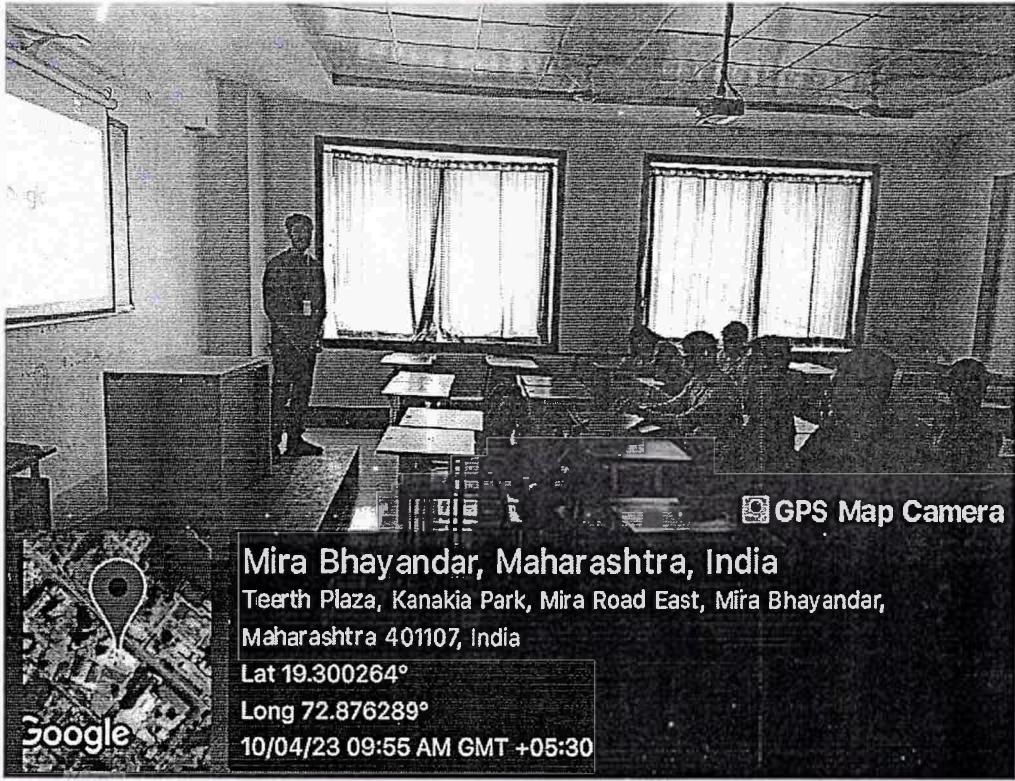
in offset printing machineries. It aimed to encourage students to look out for internship in printing company.

Geo Tag Images:


PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kandivli, Mira Road (E).





Mira Bhayandar, Maharashtra, India

Teerth Plaza, Kanakia Park, Mira Road East, Mira Bhayandar,
Maharashtra 401107, India

Lat 19.300264°

Long 72.876289°

10/04/23 09:55 AM GMT +05:30



Mira Bhayandar, Maharashtra, India

Teerth Plaza, Kanakia Park, Mira Road East, Mira Bhayandar,
Maharashtra 401107, India

Lat 19.300264°

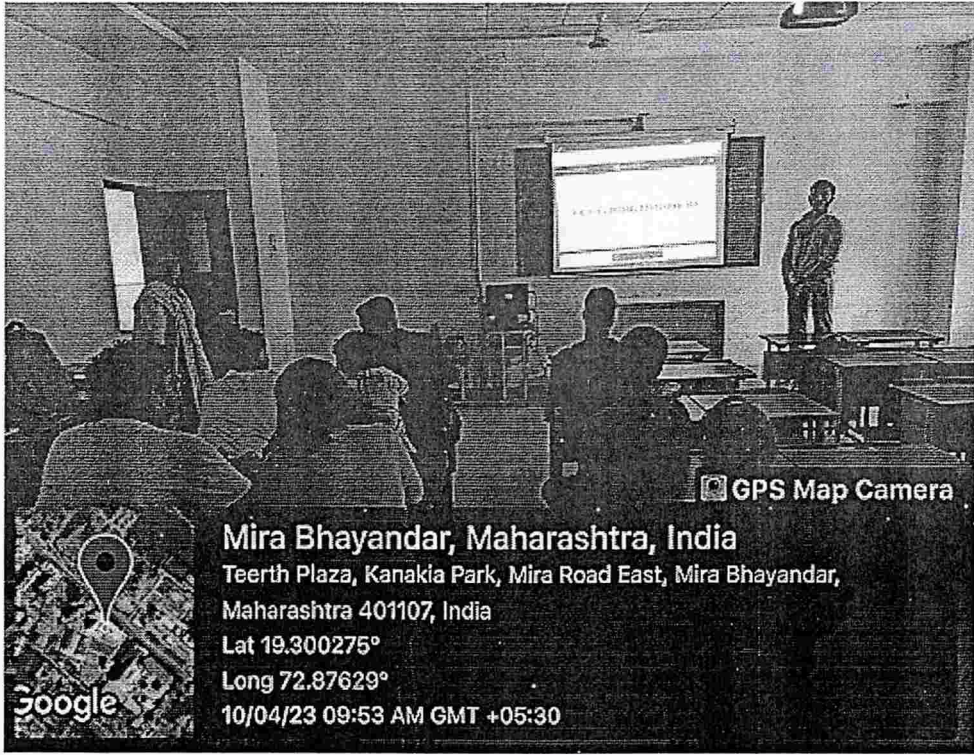
Long 72.876289°

10/04/23 09:53 AM GMT +05:30


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Shree L. R. Tiwari College of Engineering
Kanakia Park, Mira Road (E).





GPS Map Camera



Mira Bhayandar, Maharashtra, India

Teerth Plaza, Kanakia Park, Mira Road East, Mira Bhayandar,
Maharashtra 401107, India

Lat 19.300275°

Long 72.87629°

10/04/23 09:53 AM GMT +05:30

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Kanakia Park Mira Road (E).





Shree Rahul Education Society's (Regd.)

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Minority Status (Hindi Linguistic)

Department of Electronics and Telecommunication Engineering

UNIFIED LEARNING ACTIVITY ATTENDANCE SHEET

Session on "Introduction to Web Development"

Academic Year: 2022-23

CLASS: TE

SEM: VI

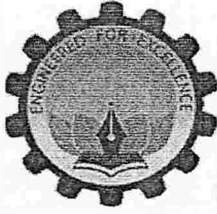
Date: 29/4/2023

Roll No.	Name of Students	Signature
1.	AL QURAYSH MOHAMMAD AKHLAD MOHAMMAD JAVED	A
2.	ANAN SUMAN BIPINKUMAR	
3.	BATTULA AKSHAY SHANKAR	
4.	BATTULA ANAND SHANKAR	
5.	BILAKHIYA MOHD SUFIYAN USMAN	A
6.	BORHADESANCHAR DASHARATH	A
7.	CHUDASAMA ABHISH EK DINESHBHAI	A
8.	CHUDASAMA PARITOSH RAMESHBHAI	
9.	DUBEY AMIT KRIPASHANKAR	
10.	DUBEY OM SANJAY	A
11.	GHAGARE MAHESH MAHADEV	
12.	GHATE MAYUR MANGESH	
13.	GUPTA AAYUSH AJAY	A
14.	JHA KUNDAN BHOOPNARAYAN	A
15.	KAMBLE DISHA SHEKHAR	
16.	KARANGUTKAR SARVESH AMIT	A
17.	KAZI AAMIR ASLAM	
18.	KHAN REHAN AHMAD SERAJ AHMAD	

PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kanakya Park, Mira Road (E).





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19.	KHAN SARFARAZ SARTAJ	A
20.	KHAN TABISH HASAN SHAKIR	A
21.	KHIRAIYA DEV SANJAY	A
22.	KUMAR HIMANSHU PRASHANT	A
23.	LAD AMEY RAJAN	
24.	LODH HARISH HANSRAJ	A
25.	MAURYA HARSH DINESH	A
26.	MISHRA ANSHIKA ASHISH SADHANA	A
27.	MUKADDAM MOHAMMED ASEEL ASIF	A
28.	NAGVEKAR SUBODH AVINASH	
29.	NAVALE ANIKET MOHAN	Handwritten signature
30.	NOORULHAQUESHAMSULHAQUE	
31.	PANDEY ABHINAVPAWAN	A
32.	PANDEY ANJALI VINOD	A
33.	PANDEYAYUSH RAVINDRAPRAKASH	A
34.	PANDEY SRIPRAKASH MANISH	A
35.	PARMAR BRIJESH SHAILESH	A
36.	PASHTE AMIT GANESH	A
37.	PATIL KUNAL DEEPAK	A
38.	PATOLEGAURAVPRABHAKAR	
39.	POOJARY RAKSHITA RAGHU	
40.	PUROHIT DURVESH ARVIND	
41.	RANE PARTH MANISH	

PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).





Shree Rahul Education Society's (Regd.)

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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Minority Status (Hindi Linguistic)

42.	SAGATHIA CHIRAG JITENDRA	A
43.	SAPKAL SIDDHARTH VASANT	A
44.	SHAH PRATHAM AMIT	A
45.	SHIVGAN PRATISH PRAMOD	A
46.	SINGH HIMANSHU AMIT KUMAR	A
47.	SINGH MANISH ANAND	A
48.	SOLANKI MEHUL LAXMAN	Mehul
49.	SOLANKI PRATHAM VINOD	A
50.	SOREN MALA SALKHU LAXMI	A
51.	TAMBOLI SOHAIL SALIM	A
52.	TATADSHUBHAMJAVER	A
53.	TIWARI ABHINAV RISHIKESH	A
54.	TIWARI ABHISHEK SHIVANAND	A
55.	TRIPATHI ADARSH PANKAJ	A
56.	USMANIANASKAMALAHMED	A
57.	YADAV AJAYKUMAR DAYARAM	A
58.	YADAV ANKUSH AVADHRAJ	A
59.	YADAV PUSHPA PANNALAL	Pushpa
60.	YADAV RAHUL SURYAMANI	A
61.	YADAV RATNAKAR RAJIVKUMAR	A
62.	YADAV SACHIN RAJKUMAR	A
63.	YADAV SURAJ RAJESH	A

Total No. of students present: 23

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Kandiva Park, Mira Road (E).





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NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified | DTE Code No. : 3423
Minority Status (Hindi Linguistic)

To,

Saad Shaikh

BE Student, Electronics & Telecommunication Engineering,

Shree L. R. Tiwari College of Engineering, Mira Road, Thane

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of Shree L. R. Tiwari College of Engineering for the session conducted by you on “**Web Development**” for Third Year Electronics & Telecommunication students on 20th April 2023.

Your session was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the future.

Thanking You,

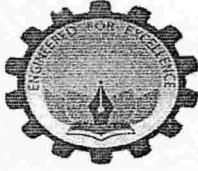
Moharil
24/04/2023
HOD

Mrs. Aboli Moharil

[Signature]
PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kankeya Park, Mira Road (E).





Shree Rahul Education Society's (Regd.)

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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(University Status (Hindi Linguistic))

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

UNIFIED LEARNING ACTIVITY REPORT

AY2022-23

Title of the Session: WEB DEVELOPMENT

Date: 20th April 2023

Timings: 12:00pm to 1:00pm

Venue: Classroom 407 (4th floor, SLRTCE)

Number of participants: 23

Speaker: Saad Shaikh (BE EXTC Student)

Objectives:

1. To get the basics knowledge of web development.
2. To understand the importance of different databases.


Target Groups: TE EXTC only.

Knowledge acquired by the seminar:

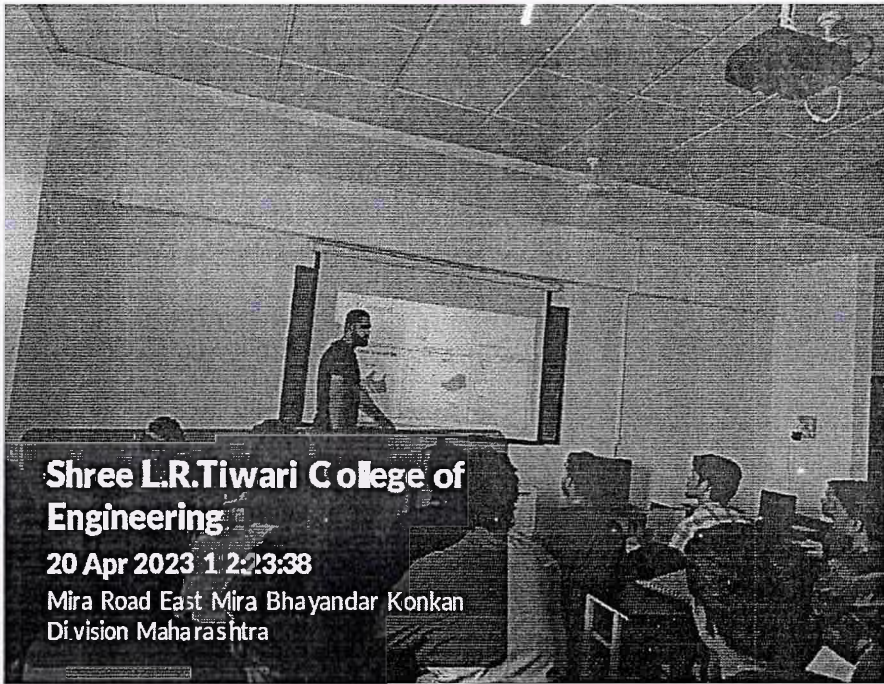
The session was focused on introducing students to the basics of web development, including front-end and back-end development. Saad Shaikh shared his experience and knowledge about the necessary skills and technologies required to become a successful front-end and back-end developer. He emphasized the importance of learning HTML, CSS, and JavaScript for front-end development, as these are the fundamental building blocks of web development. For back-end development, he mentioned that students should learn a server-side programming language such as PHP, Python, or Ruby on Rails. He also discussed the importance of databases, such as MySQL and MongoDB, in building dynamic web applications.

An overview of the different frameworks and libraries that can be used to speed up the development process were explained. He advised students' to start with basic web development concepts and gradually move towards advanced technologies.

Overall, the session was informative and provided students with a good understanding of the skills and technologies required for web development. Students were encouraged to start their journey with basic web development concepts and continuously update their skills to stay up-to-date with the latest trends and technologies in the field.


PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakgaurik, Mira Road (E).





Shree L.R.Tiwari College of Engineering

20 Apr 2023 12:23:38

Mira Road East Mira Bhayandar Konkan
Division Maharashtra




PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kamlay Park, Mira Road (E).





Shree Rahul Education Society's (Regd.)

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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Minority Status (Hindi Linguistic)

To,

Dhruvil Mistry

BE Student, Electronics & Telecommunication Engineering,

Shree L. R. Tiwari College of Engineering, Mira Road, Thane

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of Shree L. R. Tiwari College of Engineering for the session conducted by you on "Career in Cyber Security" for Third Year Electronics & Telecommunication students on 21st October 2022.

Your session was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the fut.

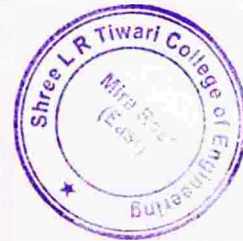
Thanking You,

Mohari
21/11/22
Mrs. Aboli Moharil
HOD(EXTC)

Received
19/12/22
Mistry 77

PRINCIPAL

Shree L. R. Tiwari College of Engineering
K a W a Park, Mira Road (E).



UNIFIED LEARNING REPORT

Future Ready Employability Skill Session 1

Title of the Session: Career in Cyber Security

Date: 21st October 2022

Timings: 02:00pm-03:00pm

Venue: Classroom 408 (4th floor, SLRTCE)

Number of participants: 37

Speaker: Mr.Dhrumil Mistry, Cyber Security enthusiast.

Objectives:

- 1) To understand career domains in cybersecurity.
- 2) To find skills required for different job profiles.
- 3) Understanding/ Acquiring the skill sets required to get into this field.
- 4) Steps to begin with this career path.

Target Groups: TE EXTC only.

Knowledge acquired by the seminar:

We often get to hear about the word cybersecurity with the evolving world of the internet. Cybersecurity is the protection of computer systems and networks from information disclosure, theft, or damage to the hardware, software or any sort of data. It is a domain which aims to protect the information / data from any malicious activity. The session created an awareness among the students about needs and future scope of the domain. Various job roles along with their salaries were discussed. Students were made aware of the skill sets required to get into any domain of cybersecurity along with job profiles. Job roles such as Incident Response, consulting, hacking and a few domains were discussed during the session. Also the steps to be taken to begin one's journey in cybersecurity were conveyed. The session included a "Live API Hacking" demonstration in which, how applications communicate and how API's security vulnerabilities can be tested was shown.

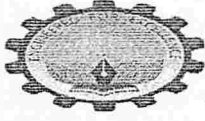
Takeaways from the Session:

In the world where technologies are getting advanced and evolving day by day, data sharing takes place on a very large scale. Thus the need for protecting this data increases, giving a boon in the cyber domain. Students are thus expected to acquire proper knowledge and skills in order to advance in the domain and be updated with what technology is being used in and around the world. The "Live API Hacking" demonstration helped create a mindset among students with what and how data can be modified /used for various applications.


PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kharaj, J.A. Banka Road (E).





Department of Electronics and Telecommunication Engineering
Unified Learning Activity Attendance Sheet

Academic Year: 2022-23

Topic: Career in Cyber Security

Class: TE (EX TC) D 20/10/22

Roll No.	Name of the Student	Signature
1	AL QURAYSH MOHAMMAD AKHLAD MOHAMMAD JAVED	A
2	ANAN SUMAN BIPINKUMAR	mm
3	BATTULA AKSHAY SHANKAR	Akshay
4	BATTULA ANAND SHANKAR	Anand
5	BILAKHIYA MOHD SUFIYAN USMAN	Sufiyan
6	BORHADE SANCHAR DASHARATH	A
7	CHUDASAMA ABHISHEK DINESHBHAI	A
8	CHUDASAMA PARITOSH RAMESHBHAI	A
9	DUBEY AMIT KRIPASHANKAR	Amit
10	DUBEY OM SANJAY	MSD
11	GHAGARE MAHESH MAHADEV	A
12	GHATE MAYUR MANGESH	A
13	GUPTA AA YUSH AJAY	A
14	JHA KUNDAN BHOOPNARAYAN	Kundan
15	KAMBLE DISHA SHEKHAR	A
16	KARANGUTKAR SARVESH AMIT	Sarvesh
17	KAZI AAMIR ASLAM	Aamir
18	KHAN REHAN AHMAD SERAJ AHMAD	Rehan
19	KHAN SARFARAZ SARTAJ	Sarfaz
20	KHAN TABISH HASAN SHAKIR	A
21	KHIRAIYA DEV SANJAY	A
22	KUMAR HIMANSHU PRASHANT	A
23	LAD AMEY RAJAN	A
24	LODH HARISH HANSRAJ	Harish
25	MAURYA HARSH DINESH	Harsh
26	MISHRA ANSHIKA ASHISH SADHANA	Anshika
27	MUKADDAM MOHAMMED ASEEL ASIF	A
28	NAGVEKAR SUBODH AVINASH	Subodh



29	NAVALE ANIKET MOHAN	A
30	NOORULHAQESHAMSULHAQUE	Noorul
31	PANDEY ABHINAV PAWAN	Pawan
32	PANDEY ANJALI VINOD	Anjali
33	PANDEY AYUSH RAVINDRAPRAKASH	Ayush
34	PANDEY SRIPRAKASH MANISH	Manish
35	PARMAR BRIJESH SHAILESH	A
36	PASHTE AMIT GANESH	A
37	PATIL KUNAL DEEPAK	Kunal
38	PATOLE GAURAV PRABHAKAR	Gaurav
39	POOJARY RAKSHITA RAGHU	Rakshita
40	PUROHIT DURVESH ARVIND	A
41	RANE PARTH MANISH	Parth
42	SAGATHIA CHIRAG JITENDRA	
43	SAPKAL SIDDHARTH VASANT	A
44	SHAH PRATHAM AMIT	A
45	SHIVGAN PRATISH PRAMOD	A
46	SINGH HIMANSHU AMIT KUMAR	A
47	SINGH MANISH ANAND	Manish
48	SOLANKI MEHUL LAXMAN	A
49	SOLANKI PRATHAM VINOD	Pratham
50	SOREN MALA SALKHU LAXMI	Mala
51	TAMBOLI SOHAIL SALIM	Sohail
52	TATAD SHUBHAM JAVER	A
53	TIWARI ABHINAV RISHIKESH	Abhinav
54	TIWARI ABHISHEK SHIVANAND	Abhishek
55	TRIPATHI ADARSH PANKAJ	Adarsh
56	USMANI ANAS KAMAL AHMED	Anas
57	YADAV AJAYKUMAR DAYARAM	A
58	YADAV ANKUSH AVADHRAJ	Ankush
59	YADAVPUSHPAPANNALAL	A
60	YADAV RAHUL SURYAMANI	A
61	YADAV RATNAKAR RAJIVKUMAR	Ratnakar
62	YADAV SACHIN RAJKUMAR	Sachin
63	YADAV SURAJ RAJESH	A

Number of Present Students	37
Number of Absent Students	26





Shree Rahul Education Society's (Regd.)

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Minority Status (Hindi Linguistic)]

To,

Mala Soren

TE Student, Electronics & Telecommunication Engineering,

Shree L. R. Tiwari College of Engineering, Mira Road, Thane

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of **Shree L. R. Tiwari College of Engineering** for the session conducted by you on "**Becoming the Ultimate you**" for Second Year Electronics & Telecommunication students on 21st October 2022.

Your session was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the future.

Thanking You,

Moharil
31/10/2022

Mrs. Aboli Moharil

HOD(EXTC)



[Signature]

PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kanakia Park Mira Road (E).

Reviewed
[Signature]



Shree Rahul Education Society's (Regd.)

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Minority Status (Indi Linguistic)]

To,

Disha Kamble

TE Student, Electronics & Telecommunication Engineering,

Shree L. R. Tiwari College of Engineering, Mira Road, Thane

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of **Shree L. R. Tiwari College of Engineering** for the session conducted by you on "**Becoming the Ultimate you**" for Second Year Electronics & Telecommunication students on 21st October 2022.

Your session was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the future.

Thanking You,

Moharil
31/10/2022

Mrs. Aboli Moharil

HOD(EXTC)

Received.

D.S.

[Signature]

PRINCIPAL

Shree L. R. Tiwari College of Engineering
Karakya Park, Mira Road (E).



UNIFIED LEARNING REPORT

Title of the Session: Becoming the Ultimate you

Date: 21st October 2022

Timings: 12:00pm-12:30pm

Venue: Classroom 408

Number of participants: 23

Speakers: Mala Soren and Disha Kamble (Third Year EXTC students)


Objectives:

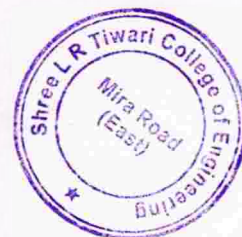
- 1) To understand the need of Spiritual, Emotional and Mental growth
- 2) To encourage students to have more confidence and self-love for themselves.

Target Groups: Second Year EXTC students

Knowledge acquired by the seminar:

The session was made keeping in mind the struggles a student faces academically and emotionally in a competitive field. It focused on the beginning stage of self-growth where students can learn to explore their strengths and weaknesses, and work on themselves by countering anxiety, comparison and self-doubt. It aimed to encourage students to look out for themselves and their mental health, and grow in every aspect of their life by not self-sabotaging mindsets but with deterministic mindsets and good habits, which can help in smart work and a less stressful lifestyle.


PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).





Department of Electronics and Telecommunication Engineering

Unified Learning Activity Attendance Sheet

Academic Year: 2022-23

Topic: Personal Growth (Becoming the Ultimate you) Class: SE DT: 20/10/22

Roll No.	Name of the Student	Signature
1	ANCHAN PRANAV PRAKASH	<i>Pranav</i>
2	Ansu Ramashankar Prasad	<i>Ansu Prasad</i>
3	BHARALI SHIVAM BIPUL	<i>Shivam Bharali</i>
4	BISHTYASH HARISH	<i>A</i>
5	CHAUDHARYCHANDANKUMARRAMLOCHAN	<i>A</i>
6	CHOUDHARY NITISH MANOJ	<i>Nitish</i>
7	DAVE ABHA KETAN	<i>A.K. Dave</i>
8	DEORESASAKSHIYASHWANT	<i>Deoresa</i>
9	GANESH MAHESH TIPPANNA	<i>Madh</i>
10	JHA PIYUSH AJAY	<i>Piyush</i>
11	JHA SATYAM GAGAN	<i>Satyam</i>
12	KADAM SHARMAN SAMARPAL	<i>Sharm</i>
13	KAHAR SANJANA MUKESH	<i>Sanjana</i>
14	MANDAL ATUL NANDAN	<i>A</i>
15	MISHRA ADARSHKUMAR RANAMBIKA	<i>Adarsh</i>
16	MISHRA DIVYA ASHWANI	<i>Divya</i>
17	MISHRA GAURAV JAIPRAKASH	<i>Gaurav</i>
18	MORE HARSHADA SUBHASH	<i>Harshada</i>
19	PAL RITIKKUMAR TRIBHUVAN	<i>A</i>
20	PATIL KRUPESH HARISH	<i>Krupesh</i>
21	PIMPARKAR AYUSHI BALU	<i>Ayushi</i>
22	SAHIL SANJAY WADHWANA	<i>Sahil</i>
23	SHAIKH NOVMAN SAQUIB ABDUL RAHMAN	<i>Novman</i>
24	SINGH GAGANPREET GURVENDER	<i>Gaganpreet</i>
25	SINGH HARSH DHANANJAY	<i>Harsh</i>
26	YADAV NAINIET SHIVSHANKAR	<i>Naini</i>
27	YADAV SAURABHA RAJESH	<i>Saurabha</i>
Total Present Students		23
Total Absent Students		04

PRINCIPAL

Shree L. R. Tiwari College of Engineering
K. A. Nagar Park, Mira Road (E).





Shree Rahul Education Society's(Regd.)

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

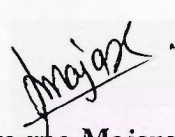
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NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified|DTE Code No.: 3423
Minority Status (Hindi Linguistic)

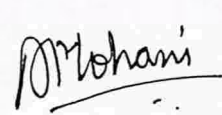
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

AY 2021-22

Unifying Learning Activity Summary

Sr. No.	Class	Title of Session	Name of the student who conducted	Number of students Present
1.	SE	Process of Becoming a GDSC Lead	Saiashish Konchada(BE EXTC)	17
2.	TE	Career Guidance and Placement Preparation	Saiashish Konchada(BE XTC)	40
3.	SE	Industrial Upskilling and Career Guidance	Saiashish Konchada(BE EXTC)	25
4.	TE	Learn by Actions	Saloni Ghorpade(BE EXTC)	42


Mrs. Aparna Majare
Unifying Learning Coordinator


Mrs. Aboli Moharil
HOD (EXTC)


PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakya Park, Mira Road (E).





Shree Rahul Education Society's (Regd.)
SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra
(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)
NAAC Accredited | ISO 9001:2015 Certified
Tel. No.: 022-28120144 / 022-28120145 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

To,

Saiashish Konchada

BE Student, Electronics & Telecommunication Engineering,

Shree L. R. Tiwari College of Engineering, Mira Road, Thane

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of **Shree L. R. Tiwari College of Engineering** for the session conducted by you on "Process of becoming a **GDSC Lead**" for Second Year Electronics & Telecommunication students on 5th April 2022.

Your session was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the future.

Thanking You,

HOD

Mrs. Aboli Moharil

PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kanakia Park, Mira Road (E).



Received

SaiAshish

Report on "Process of becoming a GDSC Lead"

On April 5th, Sai Ashish Konchada delivered a session on "Process of becoming a GDSC Lead" to the second-year students of the Electronics and Telecommunication Department. The session began at 10:15 am for 30 minutes, as he introduced himself and the Google Developer Student Clubs. The various domains, their respective leads, the activities, and the benefits of GDSC SLRTCE were explored in detail. The GDSC SLRTCE website was displayed where the students explored the culture, the Solution Challenge, and the impact of GDSCs all over the world. A blog was presented where he covered the topics, How to Become a Lead, the Roles & Responsibilities of a Lead, the Application Process, Interview Experience in India along with insightful tips drawn from his own experience. Lastly, he shared a few links over Whatsapp to continue the conversation in case of any queries or required assistance.

GDSC SLRTCE Important Links:

GDSC SLRTCE: <https://cutt.ly/gdsc-slrtce>

Becoming a GDSC Lead Complete Step by Step Process:

<https://theinsightfulcoder.com/my-journey-to-becoming-a-google-developer-student-clubs-lead>

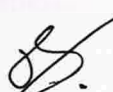
Application Form (Deadline April 15): <https://gdsc.advocu.com/>

Social Media Handles:

Instagram: <https://instagram.com/gdscslrtce>

LinkedIn: <https://www.linkedin.com/company/gdsc-slrtce>

YouTube: <https://www.youtube.com/channel/UCM920MVf8reUqW6OVHNrg>


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Minority Status (Hindi Linguistic)]

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Unified Learning Activity Attendance Sheet

Academic Year: 2021-22

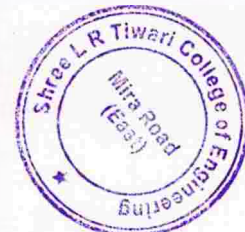
Topic: "Process of Becoming a GDSC Lead"

Class-SE EXTC

Roll No.	Name of Student	Signature
1	Battula Akshay Shankar	AB
2	Anand Shankar Battula	Anand
3	Sufiyan Bilakhiya	Sufiyan
4	Abhishek Dineshbhai Chudasama	AB
5	Chudasama Paritosh R.	AB
6	Amit Dubey	AB
7	Lad Amey Rajan	Lad
8	Harish Hansraj Lodh	H
9	Anshika Mishra	Anshika
10	Aniket Mohan Navale	AB
11	Abhinav Pandey	Abhinav
12	Pandey Anjali Vinod	AR
13	Pandey Ayush Ravindrakrishna	AB
14	Sriprakash Manish Pandey	Pandey
15	Poojary Rakshita Raghu	Rakshita
16	Sapkal Siddharth Vasant	AB
17	Khan Rehan Siraj	Rehan
18	Shah Pratham Amit	AB
19	Noorul Haque Shamsui Haque	AB
20	Pratish Pramod Shivgan	Pratish
21	Solanki Pratham Vinod	AB
22	Mala Soren	Mala
23	Shubham Javer Tatad	Shubham
24	Tiwari Abhinav Rishikesh	Abhinav
25	Tiwari Abhishek Shivanand	AB
26	Yadav Ajay Dayaram	Yadav
27	Yadav Rahul Suryamani	AB
28	Ratnakar Yadav	Ratnakar

Unifying Learning Activity Coordinator
Mrs. Aparna Majare

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To,

Saiashish Konchada

BE Student, Electronics & Telecommunication Engineering,

Shree L. R. Tiwari College of Engineering, Mira Road, Thane

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of Shree L. R. Tiwari College of Engineering for the session conducted by you on "Career Guidance and Placement Preparation" for Third Year Electronics & Telecommunication students on 6th April 2022.

Your seminar was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the future.

Thanking You,

HOD

Mrs. Aboli Moharil

Received

SaiAshish

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Shree L. R. Tiwari College of Engineering
Kanakia Park, Mira Road (E).



Report on Career Guidance and Placement Preparation

The session on Career Guidance and Placement Preparation was conducted on 4/6/2022 by SaiAshish Konchada to provide Third Year Electronics and Telecommunication students information regarding the Career Placement Procedure and its preparation. Speaker started the session with the introduction, interacting with the students asking questions regarding their plans for the future.

Important points regarding the placement topics were discussed thoroughly throughout the session, which included major questions about the languages to be selected for placement, providing importance of the data structure and algorithm (DSA) in the placement process, Competitive Programming, Technologies such as GitHub, DBMS, & Cloud were addressed. Student interested domains were also considered during the talk such as Web Development, Networking, etc. Further explaining the certification process and its importance to the students were addressed. Besides these topics, project building, competition participation, open-source contributions and publishing research papers were also discussed.

General placement drive process methods of various companies were discussed along with brief explanations about the process including aptitude, technical, group discussion and interview rounds. The important points How to create a Resume were addressed too which included topics stated below:

- Resume Selection using ATS (Application Tracking System)
- Keywords to be included in Resume to increase selection chances by ATS
- The basic details such as Name, Phone and Email Id must be included in the Resume
- Avoid including Photographs, Career Objectives, speaking languages and extra-curricular activities which are unnecessary to an organization
- Everything should be comprised in a single page
- Details regarding how to enhance Resume by adding hyperlinks and creating it using Word or LaTeX
- Important point was to send Resume as PDF file

Next few slides consisted of information about How an individual can brand themselves using various platforms and by enhancing their networking skills. Speaker also mentioned various companies and which to target based on their skills. The presentation ended with a Q & A session where he answered students' queries regarding the placement process. The session ended with applause, thanking SaiAshish for providing detailed information on the topic.


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Career Guidance & Placement Preparation

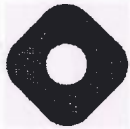
Agenda

- Career Path
- Placement Preparation
- Resume Building
- Personal Branding & Networking
- College Placement, Off Campus, Company List
- Qn A session

K. Sai Ashish




Google Developer Student Clubs
Shree L. R. Tiwari College of Engineering



Career Path

(Placement & Work experience in higher studies)

1. Programming
2. Data Structures & Algorithms
3. Competitive Programming (Opt)
4. Essential all-round Skills: GitHub, DBM, Cloud
5. Domains: Web Dev, Networking, AI, IoT, Data Science etc.


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1. Attitude
2. Technical
3. Group Discussions
4. Interview (Te c a l +

Resume Building

1. ATS (Application Tracking System)
2. Keywords
3. Have: Name, Email, Mobile No.
4. Avoid: Picture, Career Objective, Language

Unifying Learning Activity:

Topic-

"Career Guidance & Placement Preparation "

Date:06/04/2022

Roll No.	Name of Students	Sign
1	BAIG ANIS ABDULKARIM SAIMIRA	
2	BHARADWA NAINISH NARENDRA PRATIBHA	
3	BHOIR OMKAR SANJAY	
4	CHAKRAWARTI NIKITA VIRENDRAKUMAR MUNNI	
5	DOSHI ANUJ DEVEN	
6	DUBE PRIYANSHU SANJAY	
7	DUBEY AVINASH PRADEEP	
8	DUBEYBHAVESHPAWAN	
9	DUBEY VIVEK KAMLESH NEELAM	
10	GHOSH PRASHANT VINAY	
11	GOTHANKAR SAHIL SUYOG	
12	GUPTA RAHUL SUNIL	
13	GUPTA SHIVAM ASHOK	
14	GUPTA VISHAL DHAR MCHAND	
15	JHA ROHIT ANIL VANDANA	
16	JOSHI NIDHI CHIRAG ALPA	
17	KALURA VIVEK RANBEER SOBNI	
18	KANSARA SHUBH GAURANG	
19	K.HAN MOHAMMED SAAD MOHD NAIMULLAH TAHIRUNNISA	
20	KHURPE TUSHAR RAMESH KALPANA	
21	KUMAR SHRAVAN ANJANI	
22	MANDAL DEEPAK BAIDYANATH	
23	MANNA KUSHAR FATHER	
24	MHAMUNKAR YASH SHASHIKANT SNEHAL	
25	MISHRA LAXMI PARMANAND	
26	MISTRY DHRUMIL DEEPAK	
27	NAIK AMISHA SANTOSH	
28	NESE LIKHITA VENKATESH	
29	PAL JAYKUMAR RAJRAM GULABI DEVI	
30	PANDEY ANIRUDDH SUSHIL ASHA	
31	PANDEY ANKIT SHIVKUMAR	
32	PANDEY AYUSH KAMLESH	
33	PARAB AMEY ARUN	
34	PARMAR JAS CHETAN	
35	PATHAN AHMED ASIF SAIRA	
36	PEDDINTI L.S.D PRIYANKA SESHU KUMAR	
37	PRASAD JYOTI KUMARI RAMAKANT ASHUK	
38	RAJAK ABHISHEK SANTOSH	
39	RAORANE KRUNAL VIJAY VINITA	
40	SAHU ADITYA .K. RADHA.K.SAHU	
41	SHAH JUGHAL NIKKHIL NEENA	
42	SHAIKH ANMOL BAHUDDIN MEHRU NISSA	
43	SHAIKH FAHAD RAFIUDDIN HUMERA	
44	SHAIKH FAHIM CHAND FATIMA	

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Kansliya, Ark, Mira Road (E).



45	SHAIKH SAAD MUNIR AHMED	Saad
46	SHARMA ANUPAMA SHIVKAMAL	Anupama
47	SHETTY PRAPTHI CHANDRASHEKHAR	Prapthi
48	SINGH GAUTAM RANAVIRENDRA	Gautam Ranavirendra
49	SINGH PARUL RAMESH POOJA	Parul
50	SINGH PRANJALAVNISH	Pranjali
51	SINGH UTKARSH DINESH	Utkarsh
52	SOLANKI BHAVYAASHOK CHETNA	A
53	SONI SHIVAM SHRIRAM	Shivam
54	TIWARI SHIVAM PREM SUBHADRA	A
55	TIWARI SHUBHAM PRAMOD	A
56	TRIPATHI ANUBHAV SANTOSH	A
57	TRIPATHI RICHA BRIJLAL	Richa
58	VISHWAKARMA SAHIL NANHE PRASAD	A
59	YADAV AGNAY JITENDRA	A
60	YADAV AMIT RAMESH MITA	Amit
61	YADAV ASHISH KUMAR VIJAYSHANKAR KALPANA	A
62	YADAV DURGESH AMARJEET CHHABBI DEVI	A
63	YADAV NITISH KUMAR MAHENDRA	Nitish
64	YADAV PRADEEP JUNGBAHADUR SHOBHADEVI	A
65	YADAV RAHUL KUMAR RANGBAHADUR RAMA DEVI	A
66	YADAV RAHUL VINOD RINKI	A
67	YADAV SAHIL SANJAY	A
68	YADAV VISHAL RAMCHANDRA	Vishal

40

[Signature]

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Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra
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To,
Saiashish Konchada
BE Student, Electronics & Telecommunication Engineering,
Shree L. R. Tiwari College of Engineering, Mira Road, Thane

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of **Shree L. R. Tiwari College of Engineering** for the online session conducted by you on **“Industrial Upskilling and Career Guidance”** for Second Year Electronics & Telecommunication students on 7th October 2021.

Your webinar was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the future.

Thanking You,


HOD

Mrs. Aboli Moharil



PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakia Park, Mira Road (E).



Industrial Upskilling & Career Guidance

K. Sai Ashish



Career Path

(Placement & Work experience in higher studies)

6. Certifications
7. Gaining Internships
8. Building Projects
9. Competition rankings, Open Source Contribution
10. Publishing research papers

Resume Building

1. ATS (Application Tracking System)
2. Key words
3. Have: Name, Email ID, Mobile No.
4. Avoid: Picture, Career Objective, Languages you speak, Extra curricular of no use
5. One page only

Personal Branding & Networking

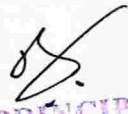
1. LinkedIn
2. Technical Blogs, Instagram Page, Twitter account, YouTube videos
3. Communities & Clubs: GDSC, Tech Clubs, MUG
4. Programs: GDSC, MLSA, GCE, etc
5. Discord servers, Telegram channels

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Any Questions?

Thank you



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About this call

People

Information

ADD OTHERS

SHARE JOINING INFORMATION

Search for someone in this call

IN CALL

- Priyanka Malgi (You)
MEETING HOST
- 01_BATTULA AKSHAY
- 02_Battula_Anand
- 04 _ CHUDASAMA A...
- 05_CHUDASAMA_P...
- 06_dubey Amit
- 07_Lad Amey
- 08_lodh harish
- 09_mishra Anshika
- 10_Navale Aniket
- 11_Pandey abhinav p...
- 12_Pandey Anjali Vin...
- 13_Pandey Ayush
- 14_PANDEY SRIPRA...
- 15_Poojary_Rakshita
- 16_SAPKAL SIDDHA...
- 17_KHAN REHAN
- 18_Shah Pratham
- 19-NOORUL HAQUE ...
- 20_SHIVGAN PRATISH
- 21_Solanki Pratham
- 22_SOREN_MALA
- 23- Konchada Sai A...
- 23 - Konchada Sai A...
- 23- Konchada Sai A...
- 24_Tiwari Abhinav Ri...
- 25_TIWARI ABHISHEK
- 27_YADAV RAH
- 28_YADAV RA T



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NAAC Accredited | ISO 9001:2015 Certified
Tel. No.: 022-28120144 / 022-28120145 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

To,
Saloni Ghorpade
BE Student, Electronics & Telecommunication Engineering,
Shree L. R. Tiwari College of Engineering, Mira Road, Thane

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of Shree L. R. Tiwari College of Engineering for the online session conducted by you on "Learn by Actions" for Third Year Electronics & Telecommunication Engineering students on 9th October 2021.

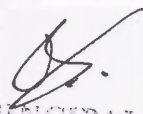
Your webinar was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the future.

Thanking You,

Moharil
HOD

Mrs. Aboli Moharil


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Kanakia Park, Mira Road (E).



Learn by Actions!

By Saloni Ghorpade



Agenda

- Activity 1: Guess the logo
- Activity 2: Group Discussion
- Activity 3: Quiz Time!

Question

According to you what is that one personality trait which is useful for becoming successful?

Activity 1: Guess the Logo

It's definitely charming!

If you develop websites, you probably use it!

Microsoft's product as a competition to Google Cloud & AWS

The Version Control System with Octocat as its mascot!

The giant of hard disk market.

How many did you get right?

Comment your scores!

Question

How many round are there in Placement Drive? What are they?

Activity 2: Group Discussion

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Understanding the key points!

- It's a discussion, not a debate.
- Start by defining the topic.
- Always keep your posture proper.
- On the spot topic will be given (rarely 2 minutes for preparation).
- The one who initiates the GD (SHOWS THE LEADERSHIP).
- Quality matters, quantity doesn't.
- Listen actively what the other person has to say.
- When you disagree with someone, never use negative words. Interrupt politely.
 - I'm sorry but
 - Can/May I add something...?
 - Sorry to interrupt but...



- Never wait for chance to speak.
 - Try giving numerical and statistical information examples.
 - Time limit should not exceed more than 7 minutes.
 - End the GD with consensus (conclusion).
- Consensus is a general agreement where we get to know outcome of the discussion.

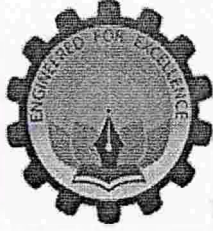
Full Name	First Seen	Time in Call
* Meet - itb-zage-njf		
* Meeting code: itb-zage-njf		
* Created on 2021-10-09 12:03:47		
* by https://chrome.google.com/webstore/detail/google-meet-attendance-li/appcnhiefcidclcdjeahgklghghifok		
08-Ghorpade Saloni	2021-10-09 12:03:47	0:26:00
A-03-DUBE PRIYANSHU SANJAY RAGINI	2021-10-09 12:03:47	0:26:00
A-04-Dubey Avinash Pradeep Saroj	2021-10-09 12:03:47	0:26:00
A-09-GUPTA RAHUL SUNIL	2021-10-09 12:03:47	0:26:00
A-11-GUPTA VISHAL DHARMCHAND POONAM DEVI	2021-10-09 12:03:47	0:26:00
A-12-ku ma ri jyoti Ashuk	2021-10-09 12:03:47	0:26:00
A-15MANDAL DEEPAK BAIDYANATH	2021-10-09 12:03:47	0:26:00
A-17-Mishra Laxmi Parmanand	2021-10-09 12:03:47	0:26:00
A-18-MISTRY DHRUMIL DEEPAK NIMISHA	2021-10-09 12:03:47	0:26:00
A-19-NAIK AMISHA SANTOSH DARSHANA	2021-10-09 12:03:47	0:26:00
A-20-NESE I JKHITA ENKAT ESH SU JATA	2021-10-09 12:03:47	0:26:00
A-21-PADE Y ANKIT SHIVKU IMAR K AVITA	2021-10-09 12:03:47	0:26:00
A-22-PANDEY AYUSH KAMLESH	2021-10-09 12:03:47	0:26:00
A-23-PARAB AMEY ARUN SNEHA	2021-10-09 12:03:47	0:26:00
A-24-Parmar Jas Chetan	2021-10-09 12:03:47	0:26:00
A-25- Peddinti LSD Priyanka	2021-10-09 12:03:47	0:26:00
A-27-Sahu Adityakrishnan	2021-10-09 12:03:47	0:26:00
A-29- SHARMA ANUPAMA SHIVKAMAL SHOBHA	2021-10-09 12:03:47	0:26:00
A-30 SHETTY PRAPTHI CHANDRASHEKHAR LALITHA shetty	2021-10-09 12:03:47	0:26:00
A-34-SONI SHIVAM SHRIRAM ANITA	2021-10-09 12:03:47	0:26:00
A-35-Tiwari Shubham	2021-10-09 12:03:47	0:26:00
A-37-Tripathi Richa Brijlal Archana	2021-10-09 12:03:47	0:26:00
A-38 Vishwakarma Sahil Nanheprasad priyanka	2021-10-09 12:03:47	0:26:00
A-39-Yadav Agnay Jitendra Urmila	2021-10-09 12:03:47	0:26:00
A-40-Yadav Nitish Mahendra	2021-10-09 12:03:47	0:26:00
A-43 Yadav Vishal Ramchandra	2021-10-09 12:03:47	0:26:00
B-01 BAIG ANIS	2021-10-09 12:03:47	0:26:00
B-02-NAINISH BHARADWA vinish	2021-10-09 12:03:47	0:26:00
B-03-CHAKRAWARTI NIKITA VIRENDRAKUMAR	2021-10-09 12:03:47	0:26:00
B-04-JHA ROHIT ANIL	2021-10-09 12:03:47	0:26:00
B-05-Joshi Nidhi Chirag	2021-10-09 12:03:47	0:26:00
B-06 Kalura Vivek Ranbir	2021-10-09 12:03:47	0:26:00
B-08- khurpe Tushar ramesh	2021-10-09 12:03:47	0:26:00
B-09- MHAMUNKAR YASH SHASHIKANT	2021-10-09 12:03:47	0:26:00
B-10-PAL JAYKUMAR RAJARAM	2021-10-09 12:03:47	0:26:00
B-11 ANIRUDDH PANDEY	2021-10-09 12:03:47	0:26:00
B-13 Krunal Raorane	2021-10-09 12:03:47	0:26:00
B-14-Shah Jughal	2021-10-09 12:03:47	0:26:00
B-16- SHAIKH FAHAD MOHD RAFIUDDIN	2021-10-09 12:03:47	0:26:00
B-17 Shaikh Fahim Chand	2021-10-09 12:03:47	0:26:00
B-18 Singh Parul Ramesh	2021-10-09 12:03:47	0:26:00
B-19-SOLANKI BHAVYA ASHOK	2021-10-09 12:03:47	0:26:00
B-21 Yadav Amit Ramesh	2021-10-09 12:03:47	0:26:00

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Shree L. R. Tiwari College of Engineering
Khar, Wankar, Mira Road (E).



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Minority Status (Hindi Linguistic)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

AY 2020-21

Unifying Learning Activity Summary

Sr. No.	Class	Title of Session	Name of the student who conducted	Number of students Present
1.	SE	How to Build a Guessing Number Game using Python	Saiashish Konchada(TE EXTC)	35
2.	SE	Complex Integration	Yusuf Sehorewala (BE XTC)	65
3.	TE	Competitive Exams After Graduation...	Sneha Yadav (BE XTC)	46

Mrs. Aparna Majare
Unifying Learning Coordinator

Mrs. Aboli Moharil
HOD (EXTC)

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kankave Park, Mira Road (E).





Shree Rabul Education Society's (Regd.)
SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra
(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)
NAAC Accredited | ISO 9001:2015 Certified
Tel. No.: 022-28120144 / 022-28120145 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

To,
Sneha Yadav
BE Student, Electronics & Telecommunication Engineering,
Shree L. R. Tiwari College of Engineering, Mira Road, Thane

Subject: Letter of Appreciation

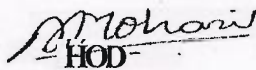
Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of **Shree L. R. Tiwari College of Engineering** for the online session conducted by you on "COMPETITIVE EXAMS AFTER GRADUATION...." for Third Year Electronics & Telecommunication Engineering students on 28th April 2021.

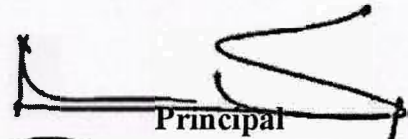
Your webinar was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the future.

Thanking You,


HOD

Mrs. Aboli Moharil


Principal

Dr. S. Ram Reddy

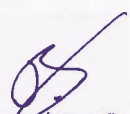



PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kanakia Park, Mira Road (E).

Unifying Learning Activity:
Topic-"Competitive Exams after Graduation
Attendance Report for class-list: 2021-04-28

1	01- Ansari Rumaisa Vaseem Ahmed
2	04- Dubey Ankit Kumar
3	04- Dubey Ankit Kumar
4	05-Dubey Harsh Kumar
5	08-Ghorpade Saloni
6	10- Gupta Amit
7	13- Gupta Raju
8	16-Jha Manisha
9	17- Jha Shivam
10	19- Sahil Kendre
11	20-Prathamesh Kewat
12	23 - Konchada Sai Ashish
13	24- Kori Manish
14	25- Kothari Suraksha
15	26-Mishra Ankit
16	28-Sanju Mishra
17	29 akanksha More
18	31- Palav Nishant
19	33-Aditya Patil
20	34- Patil Shreya
21	35 - Patil Vaibhav
22	36- Singh Rahul
23	37- Reveredo Frido
24	38 shah Sweta
25	39- Sharma Adesh
26	40- Sharma Neeraj
27	41 - Shetty Ritvik
28	43- Singh Pratik
29	47 Sarthak Singh
30	48-Sonavale Priya
31	49 - Srivastava Abhinav
32	50- Telang Jiten
33	50-A-Sneha Yadav
34	51-Thakur Rupesh
35	52- Sanjeev Tiwari
36	54 vaish Hani
37	55- Varun Sangeeta
38	59-Singh Yuvraj
39	60-Sadhana Yadav
40	61-Shobhit Upadhyay
41	62-Hemant Kamath
42	63- Pawar Nitesh
43	64- Mishra Rupesh


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Shree L. R. Tiwari College of Engineering
Kanpur (U.P.)



COMPETITIVE EXAMS
AFTER GRADUATION...

Hello!
I am Sneha Yadav
BE-EXTC-A

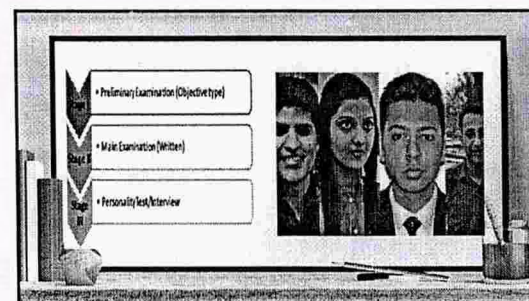
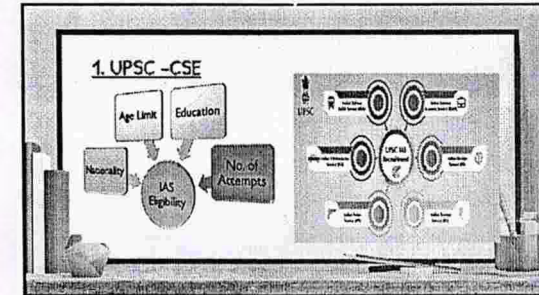
AFTER GRADUATION...

- + CODING-IT COMPANY
- + TELECOM -BSNL, VODAFONE, PRASAR BHARATI JIO, etc
- + TECH GOVT JOBS-ISRO, BARC, SAIL, ONGC, RRB, etc
- + START UPS
- HIGHER STUDIES-ME, MTECH, M S, MBA

Have you people ever thought of becoming an officer?

TOP NATIONAL LEVEL EXAMS

1. Civil Services Examination (CSE)
2. Indian Engineering Services Exam
3. StatePSC
4. RBI Grade A and Grade B Exams
5. AFCAT
6. UPSC CDS
- SSC Combined Graduate Level Exams



2. INDIAN ENGINEERING SERVICES

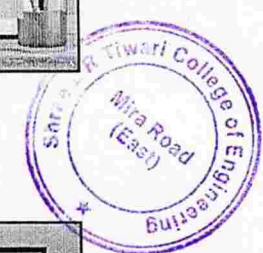
CATEGORIES

- + Electrical Engineering
- + Mechanical Engineering
- + Civil Engineering
- + Electronics & Telecommunication Engineering

<https://www.careerindia.com/upsc/ies-exam-e-26.html>

3. STATE PSC

- + Every state conduct their own PSC exams.
- + Level- SDM
- + Eligibility - Some as Upsc



SR
PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kankar, Mira Road (E).



Shree Rahul Education Society's (Regd.)

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To,
Saiashish Konchada
TE Student, Electronics & Telecommunication Engineering,
Shree L. R. Tiwari College of Engineering, Mira Road, Thane

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of **Shree L. R. Tiwari College of Engineering** for the online session conducted by you on "How to Build a Guessing Number Game Using Python?" for Second Year Electronics & Telecommunication students on 27th April 2021.

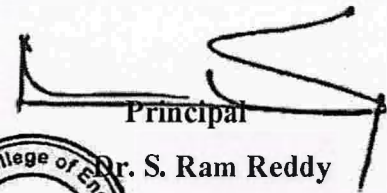
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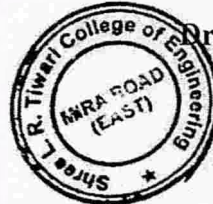
We appreciate and hope to receive the same response and support from you in the future.

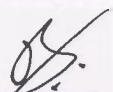
Thanking You,


HOD

Mrs. Aboli Moharil


Principal
Dr. S. Ram Reddy




PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakia Park, Mira Road (E).

< About this call

People

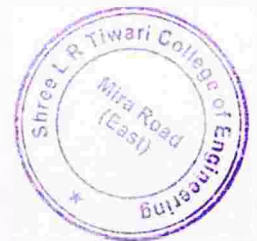
Information

ADD OTHERS

< Share joining information

IN CALL

-  Priyanka Malgi (You)
-  01- Bhoir Omkar San... ❌ |
-  02-Doshi Anuj Devien ❌ |
-  03-DUBE PRIYANSH... ❌ |
-  06- Gupta Shivam A... ❌ |
-  07-Kansara Shubh G... ❌ |
-  09-Mandal Deepak ... ❌ |
-  10- Manna Kushar P... ❌ |
-  12-Mistry Dhruvil D... ❌ |
-  13-NAIK AMISHA SA... ❌ |
-  14-PARAB AMEY AR... ❌ |
-  15-Parmar Jas Chetan ❌ |
-  17- SHARMA ANUPA... ❌ |
-  18-Yadav Nitish Mah... ❌ |
-  19-Yadav Vishal Ram... ❌ |
-  20-Ghosh Prashant ❌ |
-  21-Gothankar Sahil S... ❌ |
-  22-GUPTA RAHULS... ❌ |
-  23 - Konchada Sai As... ❌ |
-  23 - Konchada Sai As... ❌ |
-  23 - Konchada Sai As... ❌ |
-  23-Gupta Vishal Dha... ❌ |
-  24-jyoti Kumarl ❌ |
-  25- NESE LIKHITA VE... ❌ |
-  28- PeddintiLS.D Pr... ❌ |
-  29-Rajak Abhishek S... ❌ |
-  30-SAHU ADITYA KR... ❌ |
-  36-Tripathi Richa Brij... ❌ |
-  37-Vishwakarma Sah... ❌ |
-  40-SHETTY PRAPTHI... ❌ |
-  44-Yadav Amit Ram... ❌ |



Signature

PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kamla Park, Mira Road (E).

Unified Learning Activity Report
Topic: "How to Build a Guessing Number Game Using Python?"

A session was conducted by Sai Ashish Konchada, TE-EXTC to the students of SE-EXTC on 27th April 2021, 10.20 am-11.10am. The topic covered was **"How to Build a Guessing Number Game Using Python?"** The platforms for coding were introduced and students were asked to code along on Google Colab. The session began with a fun interaction where students played the guessing game. Upon completion, we understood the working of the game and wrote the algorithm for our program. Each step of the algorithm was converted into code. The approach of problem solving was implemented with the help of Google, Python Documentation and live coding. Concepts such as Type Casting, user input, iterative statements, conditionals statements and string interpolation were explained. Many students executed the program without any error. A quiz was conducted on the Nearpod platform consisting of 8 questions from the session delivered. 22 students participated actively and the winners were announced. At the end, doubt were solved and some resources were shared from where the students can learn and explore these concepts further. ..



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Karakurdi, MIDC Road (E).



"How to Build a Guessing Number Game Using Python?"

```
Number Game
File Edit View Insert Runtime Tools Help
+ Code + Text
[ ] Ask the user to guess a number
input by user has to be matched by number generated by computer
if matched then correct
if not then ask again (loop 3 times)
in the end we will display the correct number

[2] print("Guess the lucky number")
user = input()
print(user)

Guess the lucky number
*
*

[3] type(user)

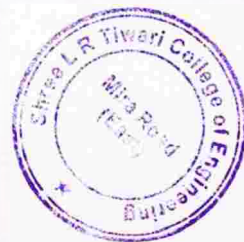
str
```

```
Number Game
File Edit View Insert Runtime Tools Help All changes saved
+ Code + Text
import random
number = random.randint(1,10)
for i in range(4,1):
    user = int(input("Guess the lucky number"))
    if user == number:
        print("Hurray!!")
        print(f"You guessed the number right, it's {number}")
        break
    if user != number:
        print(f"Your guess is incorrect the number is {number}")

Guess the lucky number
Guess the lucky number
Guess the lucky number
Hurray!!
You guessed the number right, it's 5
```

```
Number Game
File Edit View Insert Runtime Tools Help All changes saved
+ Code + Text
import random
number = random.randint(1,10)
for i in range(4,1):
    user = int(input("Guess the lucky number"))
    if user == number:
        print("Hurray!!")
        print(f"You guessed the number right, it's {number}")
        break
    if user != number:
        print(f"Your guess is incorrect the number is {number}")
```

PRINCIPAL
Shree L. R. Tivari College of Engineering
Karakya Park, Mira Road (E).





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SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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NAAC Accredited | ISO 9001:2015 Certified
Tel. No.: 022-28120144 / 022-28120145 | Email: slrtee@rahuleducation.com | Website: www.slrtee.in

To,

Yusuf Schorewala

**BE Student, Electronics & Telecommunication Engineering,
Shree L. R. Tiwari College of Engineering, Mira Road, Thane**

Subject: Letter of Appreciation

Dear Student,

It gives me immense pleasure to express my profound appreciation to you on behalf of **Shree L. R. Tiwari College of Engineering** for the online session conducted by you on "Complex Integration" for Second Year Electronics & Telecommunication Engineering students on 5th May 2021.

Your webinar was an inspiring experience for the students. It was very well appreciated by the students and will immensely benefit them in future.

We appreciate and hope to receive the same response and support from you in the future.

Thanking You,

Moharil
HOD

Mrs. Aboli Moharil



[Signature]
Principal
Dr. S. Ram Reddy



[Signature]

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakis Park, Mira Road (E).

Account Information

Share your information

- 01- Dhairya Mishra...
- 02- Dhananjay...
- 03- DULPRA...
- 04- Duley...
- 05- Duley...
- 06- Gupta...
- 07- K...
- 08- K...
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[Signature]
PRINCIPAL
 Shree L. P. T. College of Engineering
 Mira Road (E).

65



Shree Rahul Education Society's (Regd.)

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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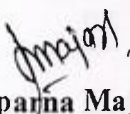
Tel. No.: 022-28120144 / 022-28120145 | Email: slrtee@rahuleducation.com | Website: www.slrtee.in


DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION


AY 2019-20

Unifying Learning Activity Summary

Sr. No.	Class	Title of Session	Name of the student who conducted	Number of students Present
1.	SE	Z-Transform	Shamali Gupte (TE EXTC)	53
2.	TE	Texture	Shama Mohammad (BE XTC)	39


Mrs. Aparna Majare
Unifying Learning Coordinator


Mrs. Aboli Moharil
HOD (EXTC)


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Shree L. R. Tiwari College of Engineering
Kanakia Park, Mira Road (E).




Unifying Learning Activity: (19-20)

Topic-"Z-Transform"

Sub-SS

Class-SE EXTC

Roll No.	Student Name	Signature
1	AGOLAPU AKSHAY RAJAN LAXMI	
2	ANSARI RUMAISA VASEEM AHMED BISMA	
3	BHARATI MANISH LALBADAN SARITA	
4	DHOTRE KARAN MANOHAR MAMTA	
5	DUBEY ANKIT KUMAR VIJAY KUMAR KUSUM	
6	DUBEY HARSHKUMAR RAVIPRAKASH VIJAY LAXMI	
7	DUBEY NAGESHWAR PRAVINKUMAR RACHANA	
8	DUBEY RAJKUMAR SRAVAN SINGARI	ABSENT
9	GHORPADE SALONI SURESH SHRADHA	
10	GUPTA AKASH VISHWAKARMA JAYADEVI	
11	GUPTA AMIT MANAGER KALAWATI	
12	GUPTA DHIRAJ TILTHU MUNNI	
13	GUPTA GOPAL SURESH SUMAN	
14	GUPTA RAJU MULCHAND PRABHAVATI	
15	JAISWAR ABHISHEK MOTILAL SHANTI	ABSENT
16	JHA KESHAV SUMAN KUMAR GUDIADEVI	ABSENT
17	JHA MANISHA RAGHUPATI POONAM	ABSENT
18	JHA SHIVAM NAVINKUMAR VIBHA	
19	KADAM SARVESH SHARAD SNEHAL	
20	KENDRE SAHIL SANJAY ASHWINI	
21	KEWAT PRATHAMESH DILIP SUNITA	
22	KHAN AFFAN SARWARE FIRDOS	
23	KHAN MOHD JAWWAD NAZIM SABJAN	
24	KONCHADA SAIASHISH GANESH SRIDEVI	
25	KORI MANISH BANSILAL KARMAITA	
26	KOTHARI SURAKSHA SHEKHAR USHA	
27	MISHRA ANKIT OMPRAKASH MIRA	
28	MISHRA PIYUSH SATISH BABITA	
29	MISHRA SANJU OMPRAKASH SEEMA	
30	MORE AKANKSHA PARESH	
31	NOORANI SUFIYAN MOHAMMED HANIF LUBNA	ABSENT
32	PALAV NISHANT SANJAY SNEHA	
33	PANDEY SAURABH AJA YKUMAR PUSH PA	ABSENT
34	PATIL ADITYA TUKARAM SANGEETA	
35	PATIL SHREYA AVADHOOT VAISHALI	
36	PATIL VAIBHAV PITAMBAR HEMANGI	
37	RATHAUR RAHUL RAJUSINGH MEENA	
38	REVEREDO FRIDO CONSTANCIO SAVITA	


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 Shree L. P. Tiwari College of Engineering
 Karad, Mitha Road (E).



MODULE – 04

Z -Transform

By:
Shamali Gupte
TE-EXTC(A)

Z Transform

- › Definition of z transform
- › Transforms
- › Relationship between fourier transform
- › Inverse Z transform
- › Properties
- › Region of convergence (ROC)
- › Convolution & step function
- › Example on ROC

z-Transform

- The z-transform is the most general concept for the transformation of discrete-time series.
- The Laplace transform is the more general concept for the transformation of continuous time processes.
- For example, the Laplace transform allows you to transform a differential equation, and its corresponding initial and boundary value problems, into a space in which the equation can be solved by ordinary algebra.
- The switching of spaces to transform calculus problems into algebraic operations on transforms is called operational calculus. The Laplace and z transforms are the most important methods for this purpose.

The Transforms

The Laplace transform of a function $f(t)$:

$$F(s) = \int_0^{\infty} f(t)e^{-st} dt$$

The one-sided z-transform of a function $x(n)$:

$$X(z) = \sum_{n=0}^{\infty} x(n)z^{-n}$$

The two-sided z-transform of a function $x(n)$:

$$X(z) = \sum_{n=-\infty}^{\infty} x(n)z^{-n}$$

Relationship to Fourier Transform

Note that expressing the complex variable z in polar form reveals the relationship to the Fourier transform:

$$X(re^{i\omega}) = \sum_{n=-\infty}^{\infty} x(n)(re^{i\omega})^{-n}, \text{ or}$$

$$X(re^{i\omega}) = \sum_{n=-\infty}^{\infty} x(n)r^{-n}e^{-i\omega n}, \text{ and if } r = 1$$

$$X(e^{i\omega}) = X(\omega) = \sum_{n=-\infty}^{\infty} x(n)e^{-i\omega n}$$

which is the Fourier transform of $x(n)$.

Inverse z-Transform

The inverse z-transform can be derived by using Cauchy's Integral theorem. Start with the z-transform

$$X(z) = \sum_{n=-\infty}^{\infty} x(n)z^{-n}$$

Multiply both sides by z^{k-1} and integrate with a contour integral for which the contour of integration encloses the origin and lies entirely within the region of convergence of $X(z)$:

$$\begin{aligned} \frac{1}{2\pi} \oint_C X(z)z^{k-1} dz &= \frac{1}{2\pi} \oint_C \sum_{n=-\infty}^{\infty} x(n)z^{-n+k-1} dz \\ &= \sum_{n=-\infty}^{\infty} x(n) \frac{1}{2\pi} \oint_C z^{-n+k-1} dz \end{aligned}$$

$$\frac{1}{2\pi} \oint_C X(z)z^{k-1} dz = x(n) \text{ is the inverse z-transform.}$$

Properties

- z-transforms are linear: $\mathcal{X}\{ax(n) + b \cdot v(n)\} = aX(z) + bY(z)$
- The transform of a shifted sequence:
- Multiplication: $\mathcal{X}\{x(n + n_0)\} = z^{n_0} X(z)$

But multiplication will affect the region of convergence and all the pole-zero locations will be scaled by a factor of a .

$$\mathcal{X}\{a^n x(n)\} = X(a^{-1}z)$$

Region of Convergence

The z-transform of $x(n)$ can be viewed as the Fourier transform of $x(n)$ multiplied by an exponential sequence r^n , and the z-transform may converge even when the Fourier transform does not.

By redefining convergence, it is possible that the Fourier transform may converge when the z-transform does not.

For the Fourier transform to converge, the sequence must have finite energy, or:

$$\sum_{n=-\infty}^{\infty} |x(n)r^{-n}| < \infty$$

Convergence, continued

The power series for the z-transform is called a Laurent series:

$$X(z) = \sum_{n=-\infty}^{\infty} x(n)z^{-n}$$

The Laurent series, and therefore the z-transform, represents an analytic function at every point inside the region of convergence, and therefore the z-transform and all its derivatives must be continuous functions of z inside the region of convergence.

In general, the Laurent series will converge in an annular region of the z-plane.




Unifying Learning Activity: (19-20)

Topic-"Texture"

Sub-IPMV

Class-TE EXTC

Roll No.	Name of Student	Signature
1	AGARWAL SHIVAM NAVIN ANITA	<i>Shiva</i>
2	AMBRE ANUJA ANIL ANJALI	<i>- AB -</i>
3	ANURAG VIDYA RAMAKANT PRASAD ASHUK KUMARI	<i>vidya</i>
4	ARYA AJAY SURESH KAMLA	<i>AA</i>
5	BADGUJAR GUNVANT GOKUL SWAYAMPRAHMA	<i>Badgujar</i>
6	BHAMRA AMANPREET KAUR JASVINDER SINGH MANJITKAUR	<i>Manj</i>
7	BHASKAR RIYA RAJU CHHAYA	<i>- AB -</i>
8	DIVKAR ROHAN SACHIN SEEMA	<i>- AB -</i>
9	DUBEY RAJESH KUMAR SHIVPRASAD SHAILEE	<i>RD</i>
10	DUKHANDE AMEY RAJENDRA RANJANA	<i>Aimey</i>
11	FAREEDI ARBAAZ ABAD GULSHAN	<i>- AB -</i>
12	GOTHI YUKTA SHARAD LATA	<i>Ys</i>
13	GUPTA HEMANT UMASHANKAR REETA	<i>Hemant</i>
14	GUPTA NITISH UMESH SEEMA	<i>Nitish</i>
15	GUPTA SHEPHALI MANOJKUMAR JYOTI	<i>Shephali</i>
16	GUPTA SURAJ HARINDAR MUNNI	<i>Suraj</i>
17	GUPTA SHAMALI AMOL SHRADDHA	<i>Shamali</i>
18	JANI JAY KALPESH PRAGNA	<i>Jay</i>
19	JETHWA SHIVANI AJAY RITA	<i>Shivani</i>
20	KARMOKAR SHUBHAIM DURGA AMBIKA	<i>Shubhaim</i>
21	MAURYA SURESH SURYANATH REETA	<i>Suresh</i>
22	MISHRA VIKAS SABHAPATI SAVITA	<i>Vikas</i>
23	MUKADDAM SAFWAN SAMEER HASRAT	<i>Safwan</i>
24	NISHAD SHAKTIMAN SITARAM SHANTIDEVI	<i>Nishad</i>
25	PANDEY KHUSHI JITENDRA SANGEETA	<i>Khushi</i>
26	PANDEY SHIVAMKUMAR VISHNUSHANKAR USHA	<i>Pandey</i>
27	PATANGE SHRADDHA KRISHNA RATNA	<i>Shraddha</i>
28	PATHAK SURAJ MANOJ NEELAM	<i>Suraj</i>
29	POWALE SHRADDHA SUBHASH SANDHYA	<i>Shraddha</i>
30	PRAJAPATI DIPAK SURESH HIRAMANI	<i>Dipak</i>

PRINCIPAL

 Shree L. R. Tiwari College of Engineering
 Kanakya Park, Mira Road (E).

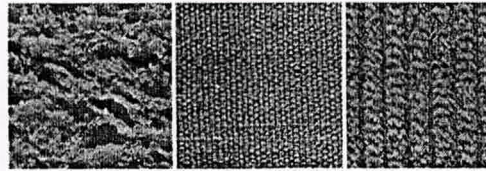


Unifying Learning Activity (AY:19-20)
Sub: IPMV Sem-VI

Topic: Texture

Prepared by-
Ms. Shama Mohammad
BEEEXTC(A)

Texture



- A texture is an image that follows some statistical properties
- It has similar structures repeated over and over again

- Texture is a measure of the variation of the intensity of a surface, quantifying properties such as smoothness, coarseness and regularity. It's often used as a region descriptor in image analysis and computer vision.
- Texture is a repeating pattern of local variations in image intensity. Texture cannot be defined for a point.

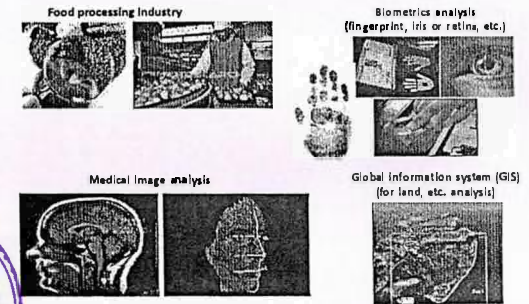
- The three principal approaches used to describe texture are statistical, structural and spectral.
- **Statistical techniques** characterize texture by the statistical properties of the grey levels of the points comprising a surface. Typically, these properties are computed from the grey level histogram or grey level co-occurrence matrix of the surface.
- **Structural techniques** characterize texture as being composed of simple primitives called "texels" (texture elements), that are regularly arranged on a surface according to some rules. These rules are formally defined by grammars of various types.
- **Spectral techniques** are based on properties of the Fourier spectrum and describe global periodicity of the grey levels of a surface by identifying high energy peaks in the spectrum

Statistical Texture Description Methods

These Methods are based on-

- Spatial Frequencies
- Co-occurrence Matrices
- Law's Texture Energy Measures
- Edge Frequency
- Primitive Length

Application Areas of Texture Analysis



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- Textural character is in direct relation to the spatial size of the primitives
- Coarse textures are built from larger primitives
- Fine textures are built from smaller primitives
- Fine textures are characterized by higher spatial frequencies while coarse textures by lower spatial frequencies.
- Spatial frequency method evaluates the Auto-correlation function of a texture
- In an Auto-correlation model, a single pixel is considered a texture primitives and a primitive tone property is the gray level.



- Texture spatial organization is described by the correlation coefficient that evaluates linear spatial relationships between primitives.
- If the texture primitives are relatively large, the auto-correlation function value decreases slowly with increasing distance, while it decreases rapidly if texture consists of small primitives. Texture can be described using the following algorithm

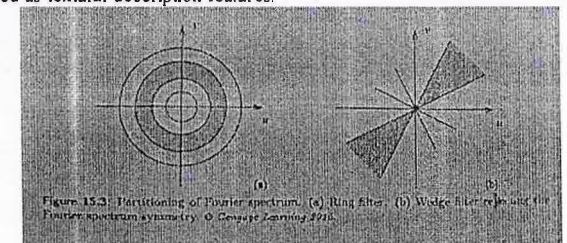
Algorithm 15.1: Auto-correlation texture description

1. For an $M \times N$ image, evaluate auto-correlation coefficients for several different values of position differences (p, q) .

$$C_{ij}(p, q) = \frac{MN \sum_{i=1}^{M-p} \sum_{j=1}^{N-q} f(i, j) f(i+p, j+q)}{(M-p)(N-q) \sum_{i=1}^M \sum_{j=1}^N f(i, j)^2} \quad (15.1)$$
2. Alternatively, the auto-correlation function can be determined in the frequency domain from the image power spectrum (Castleman, 1996).

$$C_{ij}(p, q) = S^*(p, q) S(p, q) \quad (15.2)$$

- **Spatial frequencies** can also be determined from an Optical image transform.
- The Fourier transform describes an image by its spatial frequencies; average values of energy in specific wedges and rings of the Fourier spectrum can be used as textural description features.



- Features evaluated from rings reflects coarseness of the texture.
- High energy in large radius rings is characteristic of fine textures (high frequencies) while high energy in small radii is characteristic of coarser textures.
- Features evaluated from wedge slices of Fourier transform image depend on directional properties.

Statistical: Co-occurrence Matrix-based Features

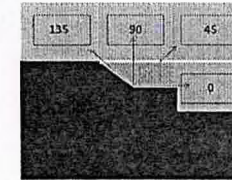
- It has size $N \times N$ (N = Number of gray-values) i.e., the rows & columns represent the set of possible pixel values.

- It is computed based on two parameters:

d - Relative distance between the pixel pair
(measured in pixel number, e.g., 1, 2, ...)

θ -Relative orientation/ rotational angle.
(e.g., $0^\circ, 45^\circ, 90^\circ, 135^\circ, \dots$)

8 Directions/orientations (θ) of Adjacency



we consider θ as horizontal (0°), front diagonal (45°), vertical (90°) and back diagonal (135°)

Computation of Co-occurrence Matrix

Image matrix

0	0	1	1
0	0	1	1
0	2	2	2
2	2	3	3

Find the number of co-occurrences of pixel i to the neighboring pixel value j

ij	0	1	2	3
0	$\#(0,0)$	$\#(0,1)$	$\#(0,2)$	$\#(0,3)$
1	$\#(1,0)$	$\#(1,1)$	$\#(1,2)$	$\#(1,3)$
2	$\#(2,0)$	$\#(2,1)$	$\#(2,2)$	$\#(2,3)$
3	$\#(3,0)$	$\#(3,1)$	$\#(3,2)$	$\#(3,3)$

Pixel values: 0, 1, 2, 3. So, $N=4$

So, size of CM = 4×4

$d=1$

θ = horizontal (0°)

Example: Computation (contd.)

ij	0
0	$\#(0,0)$

$d=1$

θ = horizontal (0°)

0	0	1	1
0	0	1	1
0	2	2	2
2	2	3	3

Example: Computation (contd.)

Image

0	0	1	1
0	0	1	1
0	2	2	2
2	2	3	3

$d=1$

θ = horizontal (0°)

CM for the Image

ij	0	1	2	3
0	$\#(0,0)$	$\#(0,1)$	$\#(0,2)$	$\#(0,3)$
1				
2				
3				

Example: Computation (contd.)

Image

0	0	1	1
0	0	1	1
0	2	2	2
2	2	3	3

$d=1$

θ = horizontal (0°)

2	2	1	0
0	2	0	0
0	0	3	1
0	0	0	1

CM for the Image

ij	0	1	2	3
0	$\#(0,0)$	$\#(0,1)$	$\#(0,2)$	$\#(0,3)$
1	$\#(1,0)$	$\#(1,1)$	$\#(1,2)$	$\#(1,3)$
2	$\#(2,0)$	$\#(2,1)$	$\#(2,2)$	$\#(2,3)$
3	$\#(3,0)$	$\#(3,1)$	$\#(3,2)$	$\#(3,3)$

Example: Computation (contd.)

Image

0	0	1	1
0	0	1	1
0	2	2	2
2	2	3	3

$d=1$

θ = vertical (90°)

3	0	2	0
0	2	2	0
0	0	1	2
0	0	0	0

CM for the Image

ij	0	1	2	3
0	$\#(0,0)$	$\#(0,1)$	$\#(0,2)$	$\#(0,3)$
1	$\#(1,0)$	$\#(1,1)$	$\#(1,2)$	$\#(1,3)$
2	$\#(2,0)$	$\#(2,1)$	$\#(2,2)$	$\#(2,3)$
3	$\#(3,0)$	$\#(3,1)$	$\#(3,2)$	$\#(3,3)$

Example for practice-

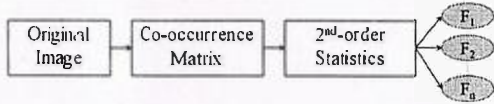
- Generate a co-occurrence matrix of the following 5x5 image. Use the same operator i.e. one pixel to the right.

0	1	0	0	2
0	2	0	1	2
1	0	0	2	0
0	0	0	0	0
0	1	2	2	0



Features on co-occurrence matrix

- Co-occurrence matrices capture properties of a texture
- But they are *not directly useful* for further analysis (e.g., comparison of two textures)




11 Numeric features are computed from a matrix

Features on co-occurrence matrix (contd)

- F1-Angular Second Moment (ASM) feature
- F2-Contrast feature
- F3 -Entropy feature
- F4- Variance feature
- F5 - Correlation feature
- F6 - Inverse Difference Moment (IDM) feature
- F7-Sum Average feature
- F8 - Sum Variance feature
- F9- Sum Entropy feature
- F10 - Information Measures of Correlation feature - 1 (IMC1)
- F11- Information Measures of Correlation feature -2 (IMC2)

Thank You


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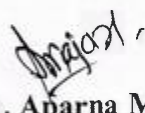
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DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION


AY 2018-19

Unifying Learning Activity Summary

Sr. No.	Class	Title of Session	Name of the student who conducted	Number of students Present
1.	SE	Line Follower Robot	Alok Yadav (BE XTC)	28
2.	TE	Global Positioning System(GPS)	Jeevan Sawalkar (BE XTC)	23
3.	TE	DTH	Atik Kadam (BE XTC)	26


Mrs. Aparna Majare
Unifying Learning Coordinator


Mrs. Zainab Mizwan
HOD (EXTC)


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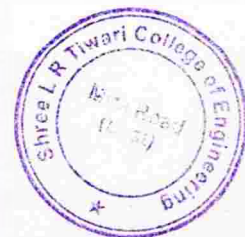
ACADEMIC YEAR :2018-19

CLASS: TE (A)

SUB: Seminar on GPS

Roll Number	Name of the Student	Sign
1	AGRAHARI ASHISH SOHAN LAL ANNA PURNA DEVI	
2	AGRE PRATHAMESH MOHAN PRANALI	
3	BAROT MILAN SHAILESH BHAVANA	
4	BELEL KRISHNA LAXMIKANTA SIKHA	
5	BORANA DEVENDRA PHULCHAND MANJUDEVI	
6	DAVE AKSHITA VIKESH DURGA	
7	DUBE DIVYANSHU SANJAY RAGINI	
8	GUPTA AASHISH DURBALI BABULA	A
9	GUPTA MANISH SANJAY MAMTA	A
10	GUPTA NIRAJ SURENDRA GEETA	
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17	MANDAL KARISHMA RAJENDRA DROPATI	
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34	TIWARI SHUBHAM PRABHAKAR SHASHI	A
35	UPLETAWALA EREM BILAL NASIMA	Upleta
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2018-2019

A Seminar on

“Global Positioning System (GPS) ”

By
(BE EXTC A)
Jeevan Sawalkar

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Global Positioning System (GPS)



Contents

GPS

- Introduction
- Satellites in orbits
- Satellites stats of different countries
- Mathematics of GPS
- Applications

VSAT

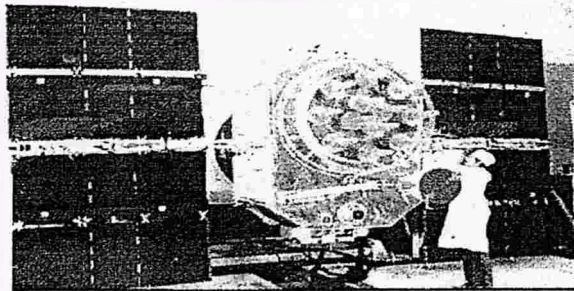
- Introduction
- Large Antenna Systems
- Block diagram
- Block diagram description


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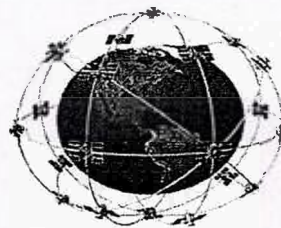
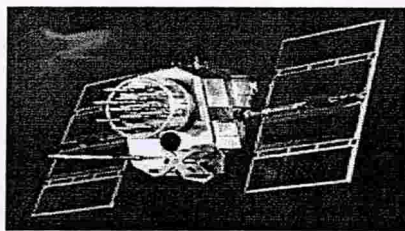
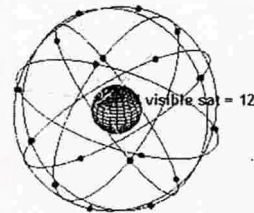
Introduction


- The Global Positioning System (GPS) was designed for military applications. Its primary purpose was to allow soldiers to keep track of their position and to assist in guiding weapons to their targets. The satellites were built by Rockwell International and were launched by the U.S. Air Force. The entire system is funded by the U.S. government and controlled by the U.S. Department of Defense. The total cost for implementing the system was over \$12 billion.

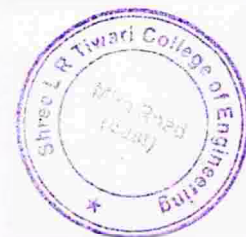


Satellites in orbit

- This is an picture of 24 GPS satellites with 4 satellites in each of 6 orbits.
- It shows how many satellites are visible at any given time.
- This ensures redundancy to ensure accuracy.







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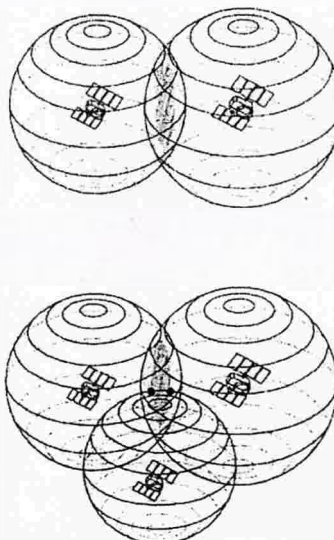
Satellite stats of different countries

IRNSS, India's answer to Global Positioning System, will cover a radius of 1,500km with India at the centre. Here is where India stands in a comity of space-faring nations

 <p>GPS Country US No. of Satellites 31 Coverage Global First satellite launch 1978 Lifetime of each satellite 10 years Precision 5m</p>	 <p>GALILEO Region European Union No. of satellites 40 (10 in orbit now) First launch 2011 Area of coverage Global Lifetime of each satellite 12 years Precision 1m for public and 1cm for military</p>	<p>No. of satellites 35 (20 now in orbit) First launch October 2000 Area of coverage global Lifetime of each satellite 12 years Precision 10m for public and 10cm for military</p>
<p>GLONASS Country Russia No. of satellites 24 Coverage Global First satellite launch October 1982 Lifetime of each satellite 10 years Precision 5m to 10m</p>	 <p>BEIDOU Country China Has two separate satellite constellations- limited test system and full-scale global navigation system</p>	<p>IRNSS Country India No. of satellites 7(5 in orbit) Area of coverage Radius of 1500km First satellite launch 2013 Lifetime of each satellite 12 years Precision 20m for civilian, 10m for military.</p>

The mathematics of GPS

- The intersection of two spheres is either empty or a circle.
- The circle will intersect a third sphere in at most two points.
- This geometric fact is the basis of GPS since other factors can be used to eliminate one of the two points as being an irrelevant solution to the problem.



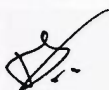
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Applications

- Global positioning system applications generally fall into 5 major categories:
 - 1. Location - determining a position
 - 2. Navigation - getting from one location to another
 - 3. Tracking - monitoring object or personal movement
 - 4. Mapping - creating maps of the world
 - 5. Timing - bringing precise timing to the world



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ELECTRONICS AND TELECOMMUNICATION ENGINEERING

ACADEMIC YEAR: 2018-19

CLASS: TE (A)

SUB: Seminar on DTH

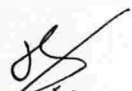
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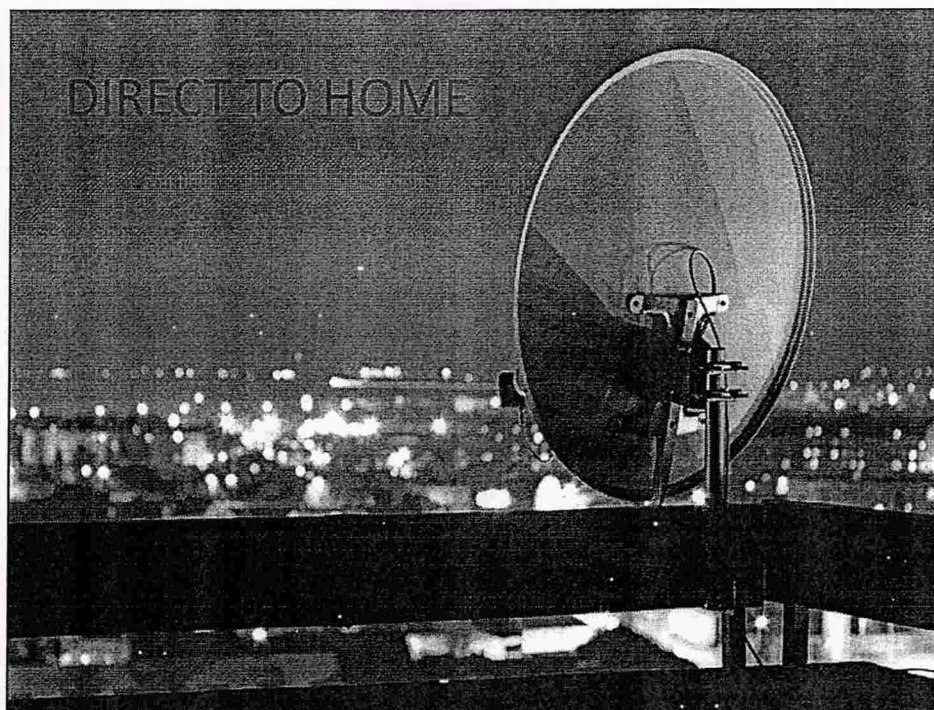
“DTH ”

By
(BE EXTC A)
ATIK KADAM


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CONTENTS

- INTRODUCTION
- HISTORY OF DTH
- MAIN COMPONENTS
- DTH NETWORK
- BLOCK DIAGRAM
- ADVANTAGES & DISADVANTAGES
- DTH SERVICE PROVIDERS
- CONCLUSION

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INTRODUCTION

- DTH stands for Direct To Home television.
- It can be defined as the reception of satellite programmers with a personal dish at individual home.
- DTH puts the broadcaster directly in touch with the consumer.

HISTORY

- The first person who invented the technology for DTH was Sir Arthur Charles Clarke, a British inventor in late 1946.
- The DTH service was first proposed in India in 1996, but was not approved due to concern over national security.


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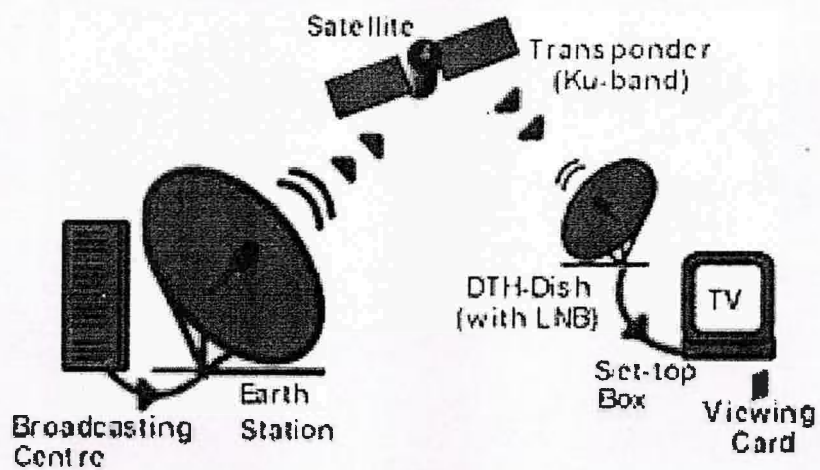
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MAIN COMPONENTS

- Broadcasting center
- Uplink antenna
- Satellite transponder
- Dish antenna
- DTH receiver

DTH NETWORK



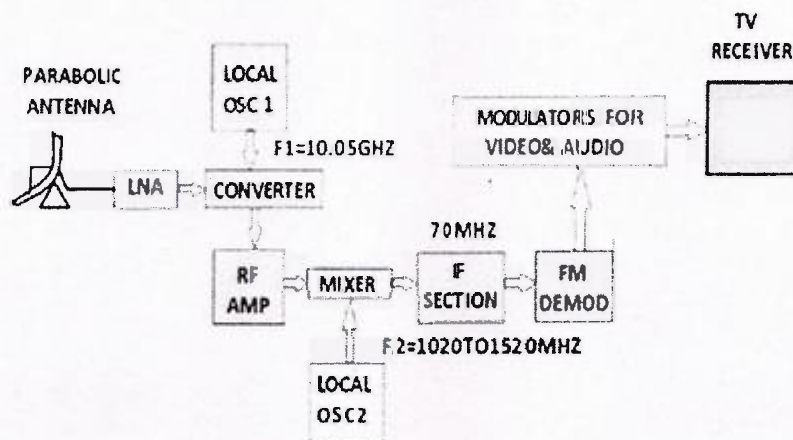
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- **BROADCASTING CENTER:** The broadcast center is the central hub of the system. At the broadcast center, the TV provider receives signals from various programming sources and beams a broadcast signal to satellites in geosynchronous orbit.
- **UPLINK ANTENNA:** They are large in size, which provides accurate aiming and increases signal strength. They are pointed towards specific satellite and specific frequency used.
- **SATELLITE TRANSPONDER:** A typical satellite can have 32 transponder for Ku band, 24 transponder for C band Ku band range :10 to 18 GHZ C band range :4 to 8 GHZ.
- **DISH ANTENNA:** It is a parabolic reflector it receives the signal and fed to the LNBC which works as a receiver for signal transmitted by satellite.
- **DTH RECEIVER:** The receiver processes the signal and passes it on to a standard TV.

BLOCK DIAGRAM




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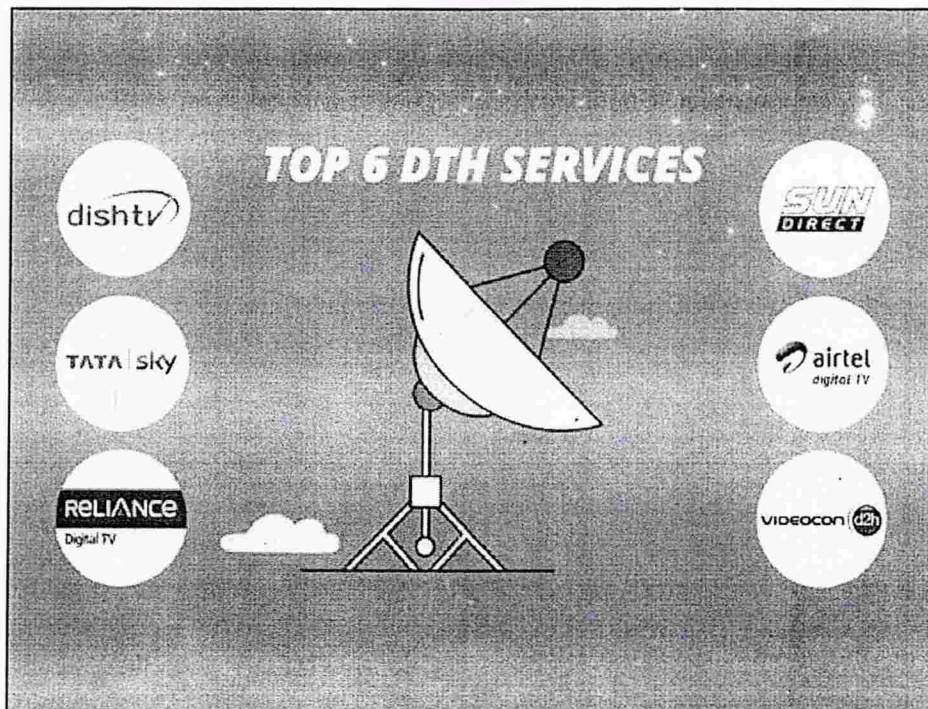


ADVANTAGES:

- Cost effective communication.
- DTH services provides pure quality of video, audio.
- Easily design
- Reliability
- It can provide up to 4000 TV channels and 2000 radio channels
- DTH is more resistive to the weather condition ,IF it can work any type of environment.

DISADVANTAGES:

- Packet and pricing
- The service is interrupted in case at the direction dish is distributed.




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CONCLUSION

- DTH has made the hopes for the people of the rural area to come true.
- DTH service in India is in its initial stage.
- In the near future, launch of DTH internet service is expected in India.



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Department of Electronics and Telecommunication
Attendance Sheet

Academic Year: 2018-19

Semester: III

Topic: - Line follower Robot

Branch:

Name of Resource Person: Rohan Divakar
Month: Date: - 27/02/2019

Roll No.	Name of the Student	Student's Sign
1	AGARWAL SHIVAM NAVIN ANITA	A
2	AMBRE ANUJA ANIL ANJALI	Anuja
3	ANURAG VIDYA RAMAKANT PRASAD ASHUK KUMARI	Widya
4	ARYA AJAY SURESH KAMLA	A
5	BADGUJAR GUNVANT GOKUL SWAYAMPURBHA	A
6	BHAMRA AMANPREET KAUR JASVINDER SINGH MANJIT KAUR	Amanpreet
7	BHASKAR RIYA RAJU CHHAYA	A
8	DIVKAR ROHAN SACHIN SEEMA	A
9	DUBEY RAJESH KUMAR SHIVPRASAD SHAILEE	A
10	DUKHANDE AMEY RAJENDRA RANJANA	A
11	FAREEDI ARBAAZ ABAD GULSHAN	Arbaz
12	GOTHI YUKTA SHARAD LATA	Yukta
13	GUPTA HEMANT UMASHANKAR REETA	A
14	GUPTA NITISH UMESH SEEMA	A
15	GUPTA SHEPHALI MANOJKUMAR JYOTI	A
16	GUPTA SURAJ HARINDAR MUNNI	A
17	GUPTE SHAMALI AMOL SHRADDHA	Shyamali

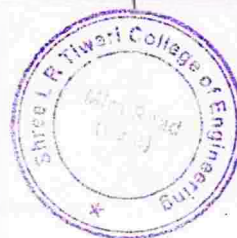
PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kandivli (E)



18	JAN TE JAY KALPESH PRAGNA RE			Jay
19	JETHWA SHIVANI AJAY RITA			Shivani
20	KARMOKAR SHUBHAM DURGA AMBIKA			Shubham
21	MAURYA SURESH SURYANATH REETA			Suresh
22	MISHRA VIKAS SABHAPATI SAVITA			Vikas
23	MUKADDAM SAFWAN SAMEER HASRAT			Safwan
24	NISHAD SHAKTIMAN SITARAM SHANTIDEVI			A
25	PANDEY KHUSHI JITENDRA SANGEETA			Khushi
26	PANDEY SHAILENDAR RAMJANAM			A
27	PANDEY SHIVAMKUMAR VISHNUSHANKAR USHA			A
28	PATANGE SHRADDHA KRISHNA RATNA			Shraddha
29	PATHAK SURAJ MANOJ NEELAM			Suraj
30	POWALE SHRADDHA SUBHASH SANDHYA			Shraddha Sandhya
31	PRAJAPATI DIPAK SURESH HIRAMANI			Dipak
32	PRAJAPATI SAURABH CHANDRASHEKHAR SANGEETA			A
33	SATPATI AYAN SUDHANSHU MINATI			Ayan
34	SEHOREWALA YUSUF ATHAR ABBAS RABAB			Yusuf
35	SHAIKH ASIF SITARUDDIN REHANABEGUM			A
36	SHIVALKAR PRATHAMESH PRASHANT PRITI			Prathamesh
37	SINGH ATUL BHIM GEETA			Atul
38	SINGH NISHA PRANAY CHANCHAL			A
39	SINGH VAIBHAV ANUJ ARCHANA			Vaibhav
40	SOLANKI MAITHILI DHARMENDRA HEMA			Maithili
41	TIWARI NITISH VIKASCHAND SARITA			A


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 Karmajyoti, Karmajyoti (M.S.)

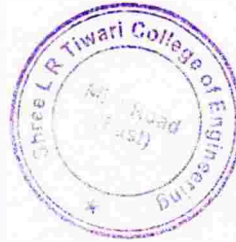


42	TIWARI PRATIKSHA SURENDRA MOHINI	A
43	UPADHYAY PARVI NIRAJ BABITA	Parvi
44	UPADHYAY RISHU RAJESHKUMAR MAMTA	Rishu
45	VISHWAKARMA ADARSH MANOJ RENU	Adarsh
46	YADAV NIRAJ RAVINDRA SADHANA	Niraj
47	YADAV PRAJNAY RADHESHYAM CHHAYA	Prajnaya
48	YADAVSNEHA	A
Total Present Students		28
Total Absent Students		A

[Signature]

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Kamla Nagar, Lucknow (U.P.)



9892823065

ROBOTS

What is Robot

"An Electrical, Mechanical or Electromechanical Programmable or Non programmable multifunctional.

Manipulator design to move material, parts, tools or special devices Through various programmed motions for the performance of variety of task."

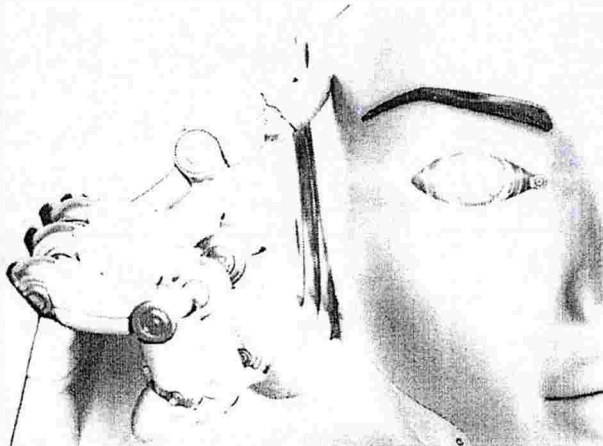
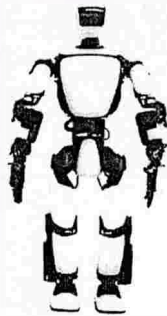
A Robot is a mechanical or virtual, artificial agent it is usually an electromechanical system.

TYPES OF ROBOTS

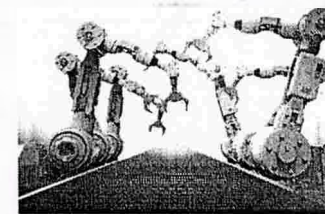
- Humanoid Robots
- Industrial Robots
- Construction Robots
- Medical Robots
- Fighter Robots



HUMANOID

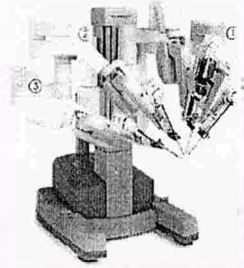
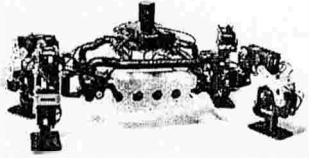


Industrial Robots

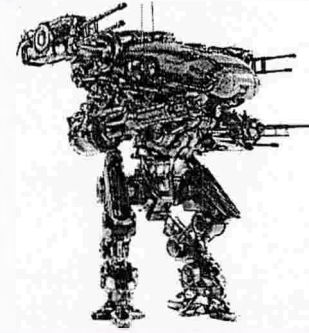


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Kanpur (E), Kanpur (E).

CONSTRUCTION ROBOTS



MEDICAL ROBOTS



FIGHTER ROBOTS

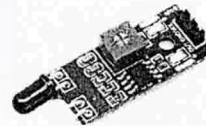
PARTS OF ROBOTICS

- Sensors
- Battery
- Controller
- Motors
- Chassis



BATTERY

Motion Sensor



R Sensor



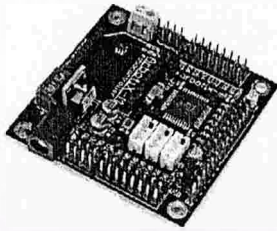
Sensors



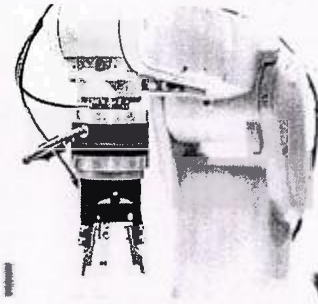
PRINCIPAL

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Kandivli (E), Mumbai - 400 075

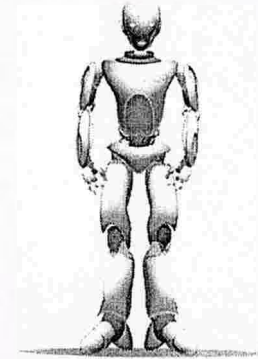
CONTROLLER



MOTORS



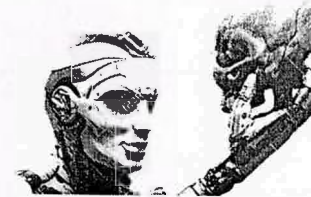
BODY



ASHIMO



SOFIA

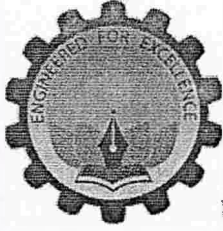


LAWS

- ▶ A robot may not injure a human being or, through inaction, allow a human being to come to harm.
- ▶ A robot must obey orders given it by human beings except where such orders would conflict with the
- ▶ First Law. A robot must protect its own existence as long as such protection does not conflict with the First or Second Law.

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Minority Status (Hindi Linguistic)

Ref. No.: SLRTCE/EXTC/2023-24/Odd/1

Date: 31/07/23

NOTICE

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

All the class teachers are hereby informed to conduct the meeting with Class representatives on 1st August 2023, as scheduled in Academic calendar to discuss and supervise the academic activity conducted during semester.

Agenda of the meeting:

1. To carry out routine course administration
2. To ensure that the course is delivered effectively
3. To administer ongoing Academic activity during the semester

Mohari
31/07/23

Mrs. Aboli Moharil

HOD

CC to all the Class Incharges

SE:

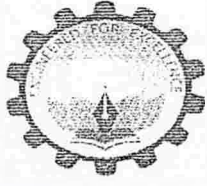
TE:

BE:



[Signature]
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Minority Status of Hindi Linguistic

Class Teacher meeting with CR conducted on 1st August 2023

Minutes of Meeting

1. Academic activities were conducted smoothly.
2. Lecture notes should be given either in the form of PPT or PDF or links of study material
3. For practicals conducted in laboratory, experiment wise write-ups should be given on time.
4. More participation in co curriculum activities like webinar, ExcelR seminar, workshop etc.

Class In-charge

SEEXTC

Mrs. Snehal Shah

[Signature]
11/8/23

Class Representative

1. Gautam Shukla

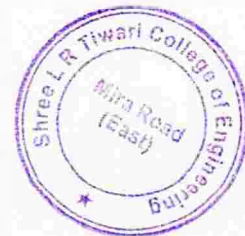
[Signature]

2. Sadia Rahman

[Signature]

[Signature]
PRINCIPAL

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Karanaya Park, Mira Road (E).





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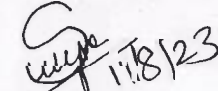
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Minority Status (Hindi Linguistic)

Class Teacher meeting with CR conducted on 1th August 2023

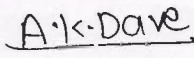
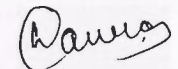
Minutes of Meeting

1. Academic activities were conducted smoothly.
2. Lecture notes should be given either in the form of PPT or PDF or links of study material
3. For practicals conducted in laboratory, experiment wise write-ups should be given on time.
4. Some subject incharges are covering syllabus fast so difficulty in understanding the concepts.

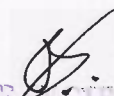
TE Class Teacher

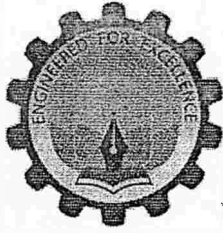

Mrs. Swapna Patil

Class Representative

1. Abha Dave 
2. Gaurav Mishra 




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Ref. No.: SLRTCE/EXTC/2022-23/Even/

Date: 03/02/23

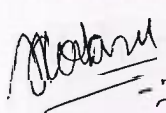
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

NOTICE

All the class teachers are hereby informed to conduct the meeting with Class representatives on 6th February 2023, as scheduled in Academic calendar to discuss and supervise the academic activity conducted during semester.

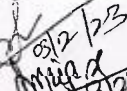
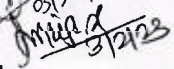
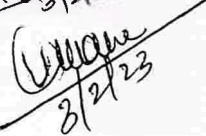
Agenda of the meeting:


1. To carry out routine course administration.
2. To ensure that the course is delivered effectively.
3. To administer ongoing Academic activity during the semester.


31/02/2023
Mrs. Aboli Moharil

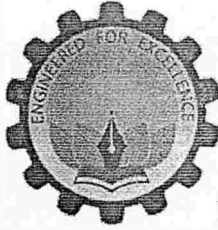
HOD

CC: To all the Class Incharges

1. SE -Ms. Menka Singh 
2. TE- Ms. Aparna Majare 
3. BE- Ms. Maheshwari Jadhav 


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DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

AY 2022-23(Even Semester)

Minutes of Meeting

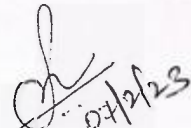
Minutes of the Class Teacher meeting with Class Representative, for the academic year 2022-2023 Even semester, was held on 6th January, at 2.45pm.

Details of discussion:

1. Regarding the smooth conduction of academics
2. While performing the practical they need more setups in laboratory
3. Discussed with her to motivate fellow students to join various students welfare committees
4. EM Tuts are not being conducted ,so she said later it will be a burden to them at the end, also she added class notes and other writeups are uploaded timely on Google classroom.

Class Representatives (SE EXTC)

1. Abha Dave A. K. Dave


Mrs. Menka Singh

Class In charge

SEEXTC




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Kandivli - Mumbai - 400 067 (E).



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Minority Status (Hindi Linguistic)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Ay: 2022-23(Even Sem)


Minutes of Meeting

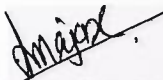
A Class Representative meeting with class teacher was conducted on 6th January 2023 at 3:30 pm.

Details of discussion-

1. Academic activities were conducted smoothly.
2. For practicals conducted in laboratory, experiment wise write-ups should be given on time.
3. In some subjects (ANNFL & CCN) facing difficulty in understanding the concepts.

Class Representative (TE EXTC)

Mayur Ghate 


Mrs. Aparna Majare

Class Incharge

TEEXTC




PRINCIPAL

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Minority Status (Hindi Linguistic)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

AY 2022-23(Even Semester)

Minutes of Meeting

Minutes of the Class Teacher meeting with Class Representative, for the academic year 2022-2023 EVEN semester, was held on 6th February, at 2.45pm.

Details of discussion:

1. Regarding the smooth conduction of academics
2. While performing the practical initially the kits were not working properly but later the issue is resolved
3. Discussed with him to motivate fellow students to attend various internship or software programs so that they will get benefit in placement and higher studies
4. Subject teachers are conducting lectures effectively, class notes, lecture PPTs and other writeups are uploaded timely on Google classroom.

Class Representatives (BE EXTC)

1. Dhrumil Mistry

Mistry 88

Maheshwari

Mrs. Maheshwari Jadhav

Class In charge

BEEXTC



[Signature]
PRINCIPAL
Shree L. R. Tiwari College of Engineering
Keshavnagar, Mira Road (E).



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Minority Status (Hindi Linguistic))

Ref. No.: SLRTCE/EXTC/2022-23/Odd/3

Date: 06/08/22

NOTICE

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

All the class teachers are hereby informed to conduct the meeting with Class representatives on 8th August 2022, as scheduled in Academic calendar to discuss and supervise the academic activity conducted during semester.

Agenda of the meeting:

1. To carry out routine course administration
2. To ensure that the course is delivered effectively
3. To administer ongoing Academic activity during the semester

Moharil
06/08/2022

Mrs. Aboli Moharil

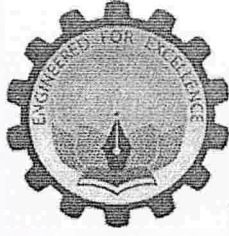
HOD



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Kendrapada, Bhubaneswar (E).





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DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

AY 2022-23(Odd Semester)

Minutes of Meeting

Minutes of the Class Teacher meeting with Class Representative, for the academic year 2022-2023 ODD semester, was held on 8th August, at 12.45pm.

Details of discussion:

1. Regarding the smooth conduction of academics
2. While performing the practical they need more setups in laboratory
3. Discussed with her to motivate fellow students to join various students welfare committees
4. Class has some understanding difficulties regarding a subject , also she added class notes and other writeups are uploaded timely on Google classroom.

Class Representatives (SE EXTC)

1. Abha Dave A.K. Dave

918122

Mrs. Menka Singh

Class In charge

SE EXTC



PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kankar Park, Mira Road (E).



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DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

AY 2022-23(Odd Semester)

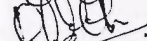
Minutes of Meeting


Minutes of the Class Teacher meeting with CR, for the academic year 2022-2023, was held on 8th August 2022, at 11:45 am.

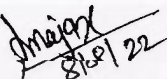
Details of discussion:

1. Academic activities were conducted smoothly.
2. Lecture notes should be given either in the form of PPT or PDF or links of study material.
3. For practicals conducted in laboratory, experiment wise write-ups should be given on time.
4. Some subject in charges are covering syllabus fast so difficulty in understanding the concepts.

Class Representatives (TE EXTC)

1. Ms. Mala Soren 

2. Mr. Mayur Ghate 


Mrs. Aparna Majare

Class In charge

TEEXTC





PRINCIPAL

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DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

AY 2022-23(Odd Semester)

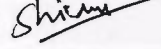
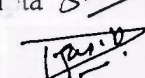
Minutes of Meeting

Minutes of the Class Teacher meeting with CR, for the academic year 2022-2023, was held on 08/08/2022, Monday at 12:15PM

Details of discussion:

1. Discussion on Academic discipline
2. Discussion on Placement
3. Discussion on skill development

Class Representatives (SE/TE/BE EXTC)

1. Mr. Shivam Gurta 
2. Mr. Jas Parmar 



Mr. Sandeep Dwivedi

Class In charge

BEEXTC




PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).



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LETTER OF APPRECIATION

To,

Khushbu Tikhe

Assistant Professor, ECS Department

Shree L.R.Tiwari College of Engineering, Mira Road

Dear Ma'am,

It gives me immense pleasure to express my profound appreciation to you on behalf of Shree L. R. Tiwari College of Engineering for session conducted by you on "Overview of Database Management System and Concurrency Control" for Third Year Electronics & Telecommunication students on 6th April 2022.

Thank you for the time, talent and expertise. We appreciate your gesture and hope to receive the same support from you in the future.

Thank You,

HOD

Mrs. Aboli Moharil


PRINCIPAL

Shree L. R. Tiwari College of Engineering
Kanakia Park, Mira Road (E).



Received



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
Guest Lecture Attendance Sheet
Academic Year: 2021-22

Topic:"Overview of DBMS & Concurrency Control"

Class-TE EXTC

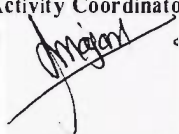
Date-1/6/22

Roll No.	Name of Student	Signature
1	BAIG ANIS ABDULKARIM SAMIRA	A
2	BHARADWA NAINISH NARENDRA PRATIBHA	NB
3	BHOIR OMKAR SANJAY	SM
4	CHAKRAWARTI NIKITA VIRENDRAKUMAR MUNNI	A
5	DOSHI ANUJ DEVEN	Anuj
6	DUBE PRIYANSHU SANJAY	PD
7	DUBEY AVINASH PRADEEP	AD
8	DUBEY BHAVESH PA WAN	Bhavesh
9	DUBEY VIVEK KAMLESH NEELAM	A
10	GHOSH PRASHANT VINAY	A
11	GOTHANKAR SAHIL SUYOG	Sahil
12	GUPTA RAHUL SUNIL	A
13	GUPTA SHIVAM ASHOK	GG
14	GUPTA VISHAL DHARMCHAND	GV
15	JHA ROHIT ANIL VANDANA	A
16	JOSHI NIDHI CHIRAG ALPA	Joshi
17	KALURA VIVEK RANBEER SOBNI	A
18	KANSARASHUBHGAURANG	ACK
19	KHAN MOHAMMED SAAD MOHD NAIMULLAH TAHIRUNNISA	TK
20	KHURPE TUSHAR RAMESH KALPANA	Tushar
21	KUMAR SHRAVAN ANJANI	AK
22	MANDAL DEEPAK BAIDYANATH	Deepak
23	MANNA KUSHAR FATHER	Manna
24	MHAMUNKAR YASH SHASHIKANT SNEHAL	Yash



25	MISHRA LAXMI PARMANAND	A
26	MISTRY DHRUMIL DEEPAK	DA
27	NAIK AMISHA SANTOSH	A
28	NESE LIKHITA VENKATESH	A
29	PAL JAYKUMAR RAJARAM GULABI DEVI	A
30	PANDEY ANIRUDDH SUSHILASHA	Pandey
31	PANDEY ANKIT SHIVKUMAR	A
32	PANDEY AYUSH KAMLESH	A
33	PARAB AMEY ARUN	NA
34	PARMAR JAS CHETAN	A
35	PATHAN AHMED ASIF SAIRA	A
36	PEDDINTI L .S.D PRIYANKA SESHU KUMAR	PRM
37	PRASAD JYOTI KUMARI RAMAKANT ASHUK	A
38	RAJAK ABHISHEK SANTOSH	A
39	RAORANE KRUNAL VIJAY VINITA	A
40	SHAH JUGHAL NIKKHIL NEENA	SH
41	SHAIKH ANMOL BAHUDDIN MEHRUNISSA	A
42	SHAIKH FAHAD RAFI UDDIN HUMERA	A
43	SHAIKH FAHIM CHAND FATIMA	A
44	SHAIKH SAAD MUNIR AHMED	Sham
45	SHARMA ANUPAMA SHIVKAMAL	A
46	SHETTYPRAPATHICHANDRASHEKHAR	A
47	SINGH GAUTAM RANA VIRENDRA	A
48	SINGH PARUL RAMESH POOJA	A
49	SINGH PRANJAL AVNISH	A
50	SINGH UTKARSH DINESH	A
51	SOLANKI BHAVYA ASHOK CHETNA	Bhav
52	SONI SHIVAM SHRIRAM	A
53	TIWARI SHIVAM PREM SUBHADRA	A
54	TIWARI SHUBHAM PRAMOD	A
55	TRIPATHI RICHA BRIJLAL	Richa
56	VISHWAKARMA SAHIL NANHE PRASAD	A
57	YADAV AGNA Y JITENDRA	A
58	YADAV AMIT RAMESH MITA	AMIT
59	YADAV ASHISH KUMAR VIJAYSHANKAR KALPANA	A
60	YADAV DURGESH AMARJEET CHHABBI DEVI	A
61	YADAV NITISH KUMAR MAHENDRA	A
62	YADAV PRADEEPJUNGBAHADURSHOBHADEVI	Yeeep
63	YADAV RAHUL KUMAR RANGBAHADUR RAMA DEVI	A
64	YADAV RAHUL VINOD RINKI	SH
65	YADAV SAHIL SANJAY	SH
66	YADAV VISHAL RAMCHANDRA	SH

Unifying Learning Activity Coordinator
Mrs. Aparna Majare





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