

E-REVES

VOLUME: VI

ISSUE: II



ABOUT US

TECHNO-HI

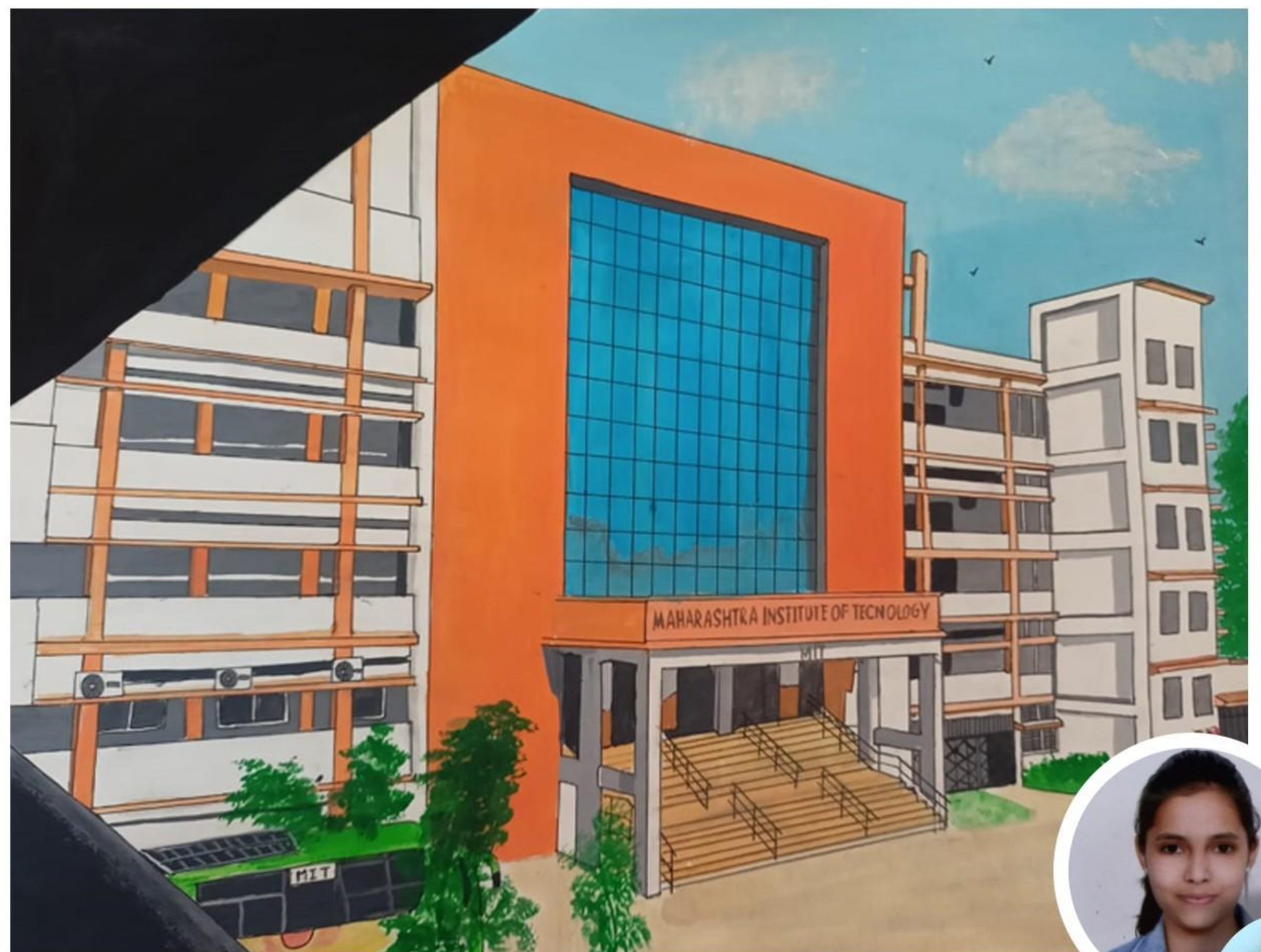
EDITO

PROJECTO

EVENTO

TALENTO

ACHIEVEMENTS



Drawn By Ashwini Shisode (SY)

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ABOUT US

From Editor's desk...

Machine Learning is the heart of Artificial Intelligence. It consists of techniques that form the basic structure for constructing functional algorithms or apps that make automated machines carry out tasks without being explicitly programmed and handle a variety of situations. like traffic forecasting with GPS and GIS, self driving cars, cars aggregation (Ola, Uber, etc), Face detection using DeepFace, fraud detection and price prediction, Speech recognition, Speech to text, NPL and TTS



These apps have the ability to recognize and memorize the repetitive actions to remind the users. The three in-demand technologies, Machine Learning, Artificial Intelligence, and Deep Learning. These are interrelated technologies; AI is the key; ML is a subset of AI and Deep Learning is a subset of ML.

Message from Editorial Board...

It gives us immense pleasure in releasing this second issue of department magazine 'EReves' on the topic of Machine Learning.

This is a platform for the students to express their creativity and literary skills. It also consists of Academic excellence along with co-curricular and extra co-curricular activities which are a part of education.

We are thankful to those who have contributed to the magazine.

VISION OF INSTITUTE

MIT constantly strives for excellence in pedagogy. Human beings evolve, and a key enabler of this evolutionary process is knowledge, which helps us demystify and understand nature. MIT considers education and training as a continuous process of human development, aptly described by its vision statement; 'Quest for Excellence.'

MISSION OF INSTITUTE

We are committed to providing education and training in Architecture, Engineering, Management, Agriculture, Technology, Medical, and Paramedical spheres, to enable aspiring students to develop their fullest potential in their chosen area.

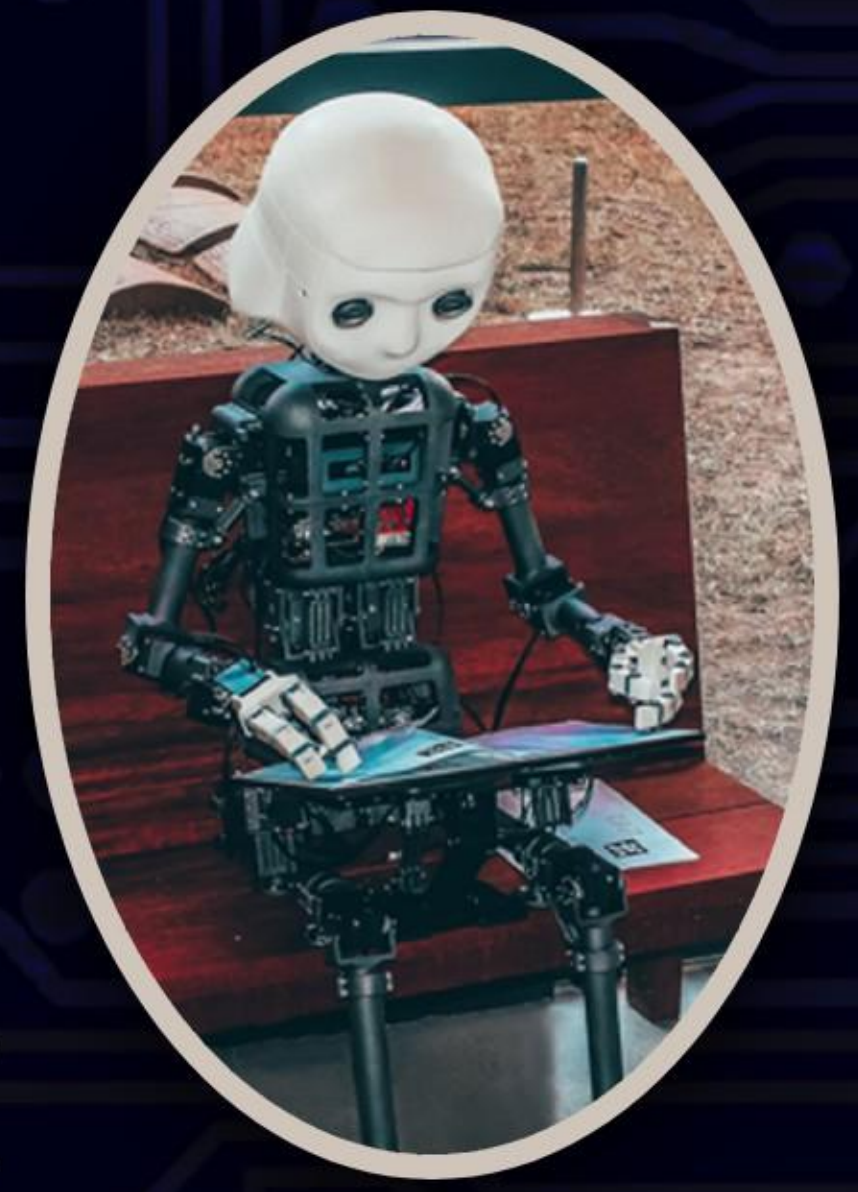
VISION OF DEPARTMENT

To develop the department into a full-fledged centre of learning in the various fields of Electronics and Telecommunication keeping in view the latest development and making students technologically superior and ethically strong.

MISSION OF DEPARTMENT

To impart education and training in the field of electronics and telecommunication engineering and its allied areas by developing competencies of the students to meet social and industrial needs.

TECHNO-HI



Applications of Machine Learning

IMAGE RECOGNITION

Image Recognition is one of the most common application of machine learning. It is used to identify objects, persons, places, digital images, etc. The most popular use case of image recognition and face detection is, Automatic friend tagging suggestions.



SPEECH RECOGNITION



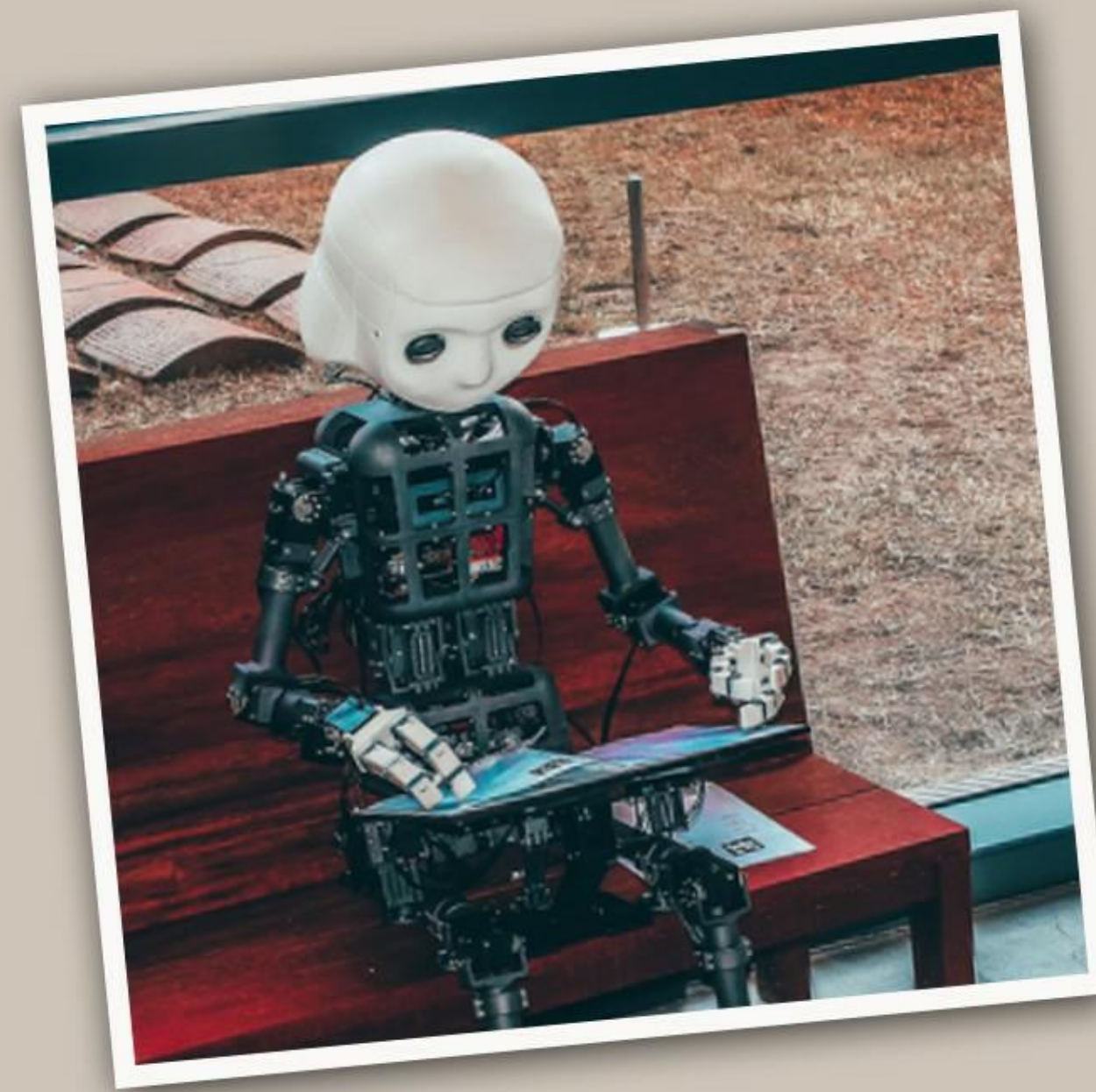
Speech Recognition is a process of converting voice instruction into text, and it is also known as Speech to Text, or Computer speech recognition. At present, machine learning algorithms are widely used by various applications of speech recognition, Google assistant, Siri, Cortana, and Alexa are using speech recognition.

"Creativity is seeing the same thing but thinking differently"

EDITO

MACHINE LEARNING

Machine Learning is a branch of Artificial Intelligence, which mimics the human learning method. It does not have to be explicitly programmed to do tasks, rather it learns from its mistakes and gradually improves its accuracy.



APPLICATIONS

Well, the possibilities are endless. Basically it does not have to follow the decisions made by the developer at the time of development, rather it learns from the user, then it makes decisions based on it.

Examples:

Youtube Recommendations
Siri, Google Assistant, Alexa
Spam Filtering, etc.



Try it for yourself
on this online simulator

PROJECTO

QR CODE BASED ATTENDANCE MANAGEMENT SYSTEM

MadeBy:

Durgesh Ratnaparkhe
Jaykumar Rathod

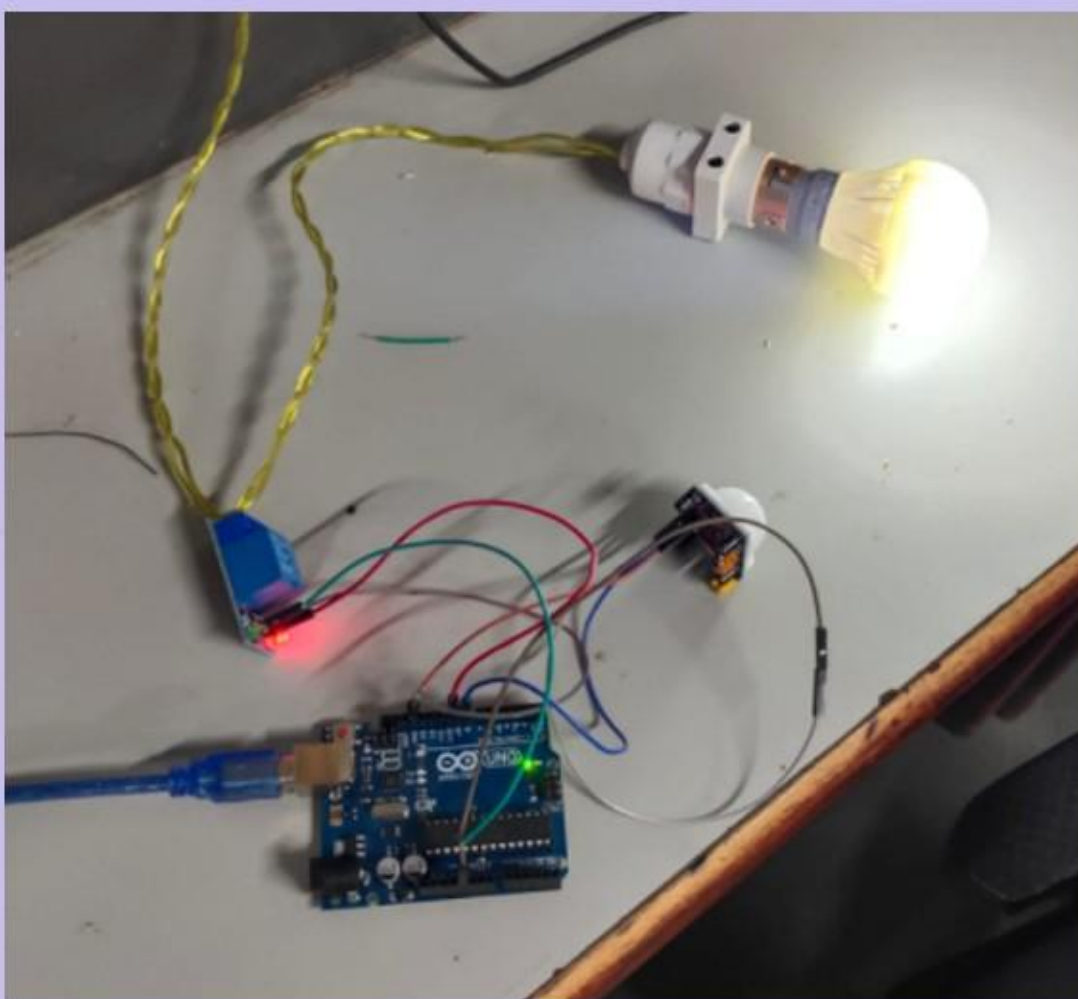
This Project Aims to digitize the attendance taking method. This method will speed up the attendance taking process. It can also help to better analyze the attendance of the students.



AUTOMATIC CLASSROOM LIGHTS AND FAN CONTROL

MadeBy:

Pravin Biradar
Saurabh Bhale
Abhishek Sharma



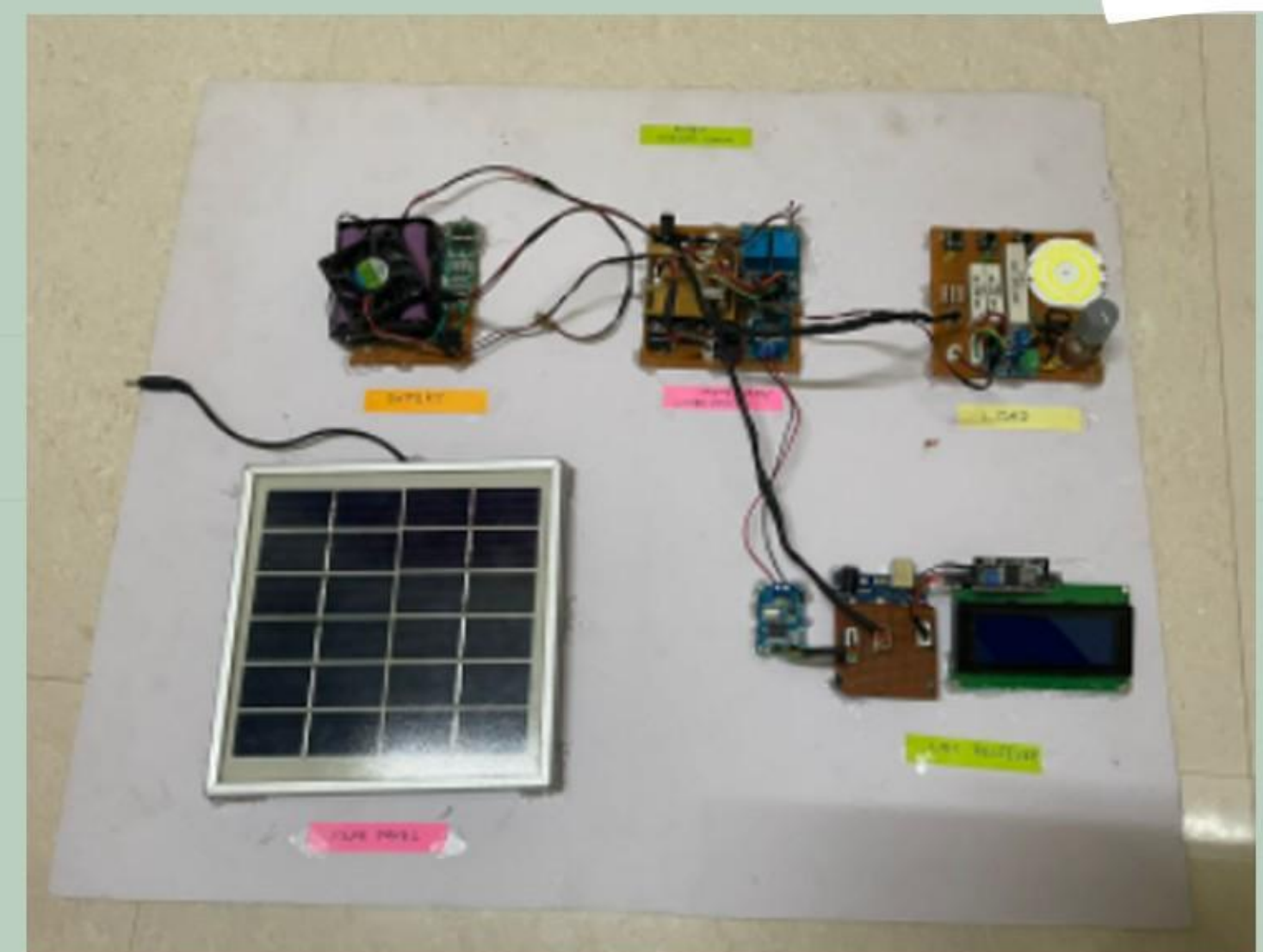
This project aims to provide automatic control for lights and fans, which will turn on when human presence is sensed, and will automatically turn off when no one is present. This will be useful as it can help in cutting electricity cost.

BATTERY MANAGEMENT SYSTEM USING CAN BUS

MadeBy:

Pratiksha Dabhade
Sumati Ladane
Amrapali Borde

Battery management system is the heart of all battery monitoring activities. It monitors the battery pack during charging and discharging. The main features are battery pack temperature, voltage and current monitoring, as well as SOC, SOH and SOL.



"To succeed in your mission, you must have single-minded devotion to your goal"



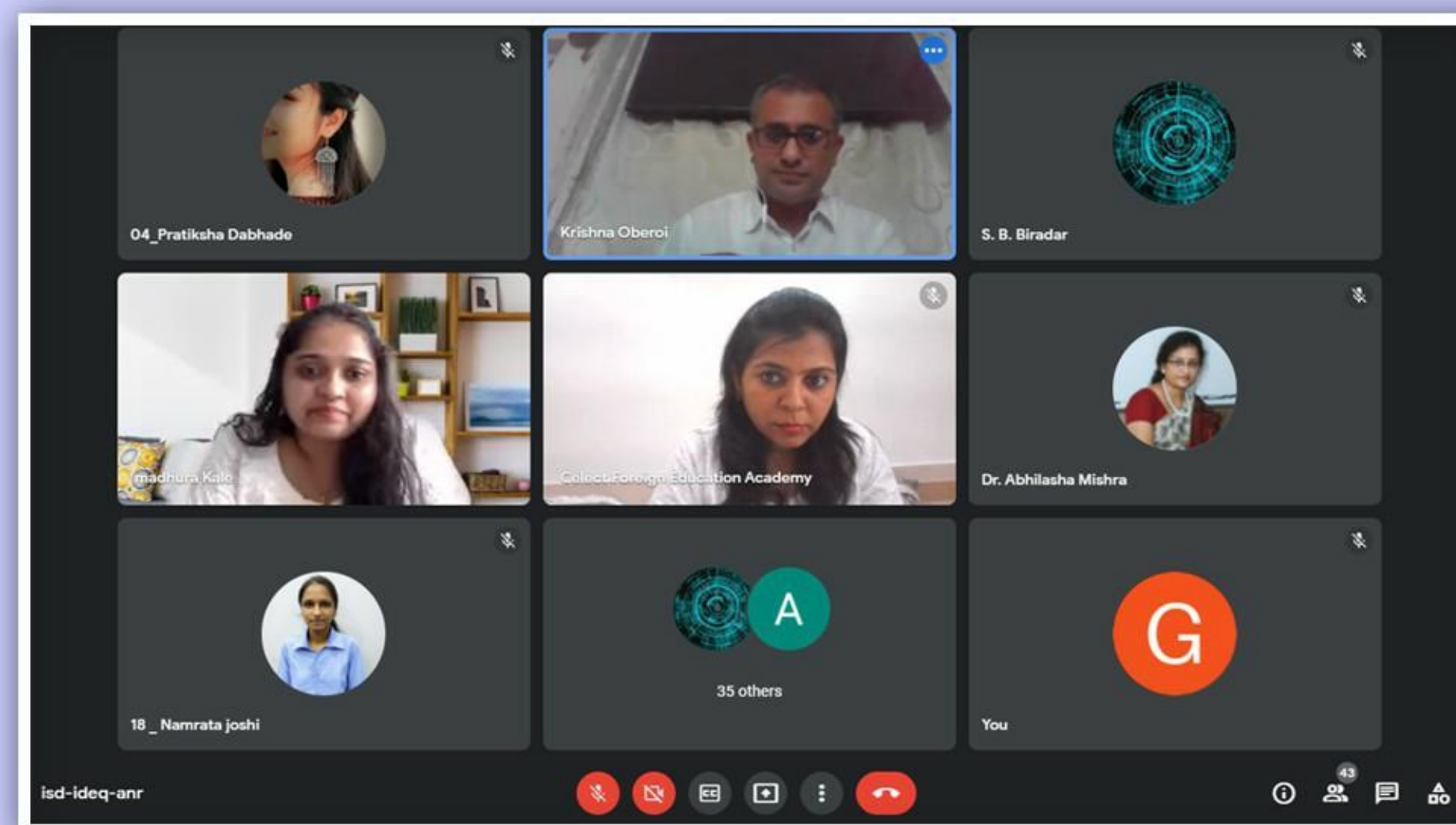
EVENTO

Events organized by Department of Electronics and Telecommunication

Expert Talk on **PSYCHOMETRIC KNOWING TO YOU AND GATEWAY TO YOUR STUDY ABROAD DREAM**

Speaker: Mr. Vikas Oberoi
Ms. Madhura Kale

Coordinated by: Mr.S.B.Biradar



Expert Talk on

ROLE OF DISRUPTIVE TECHNOLOGIES FOR FUTURE WARFARE

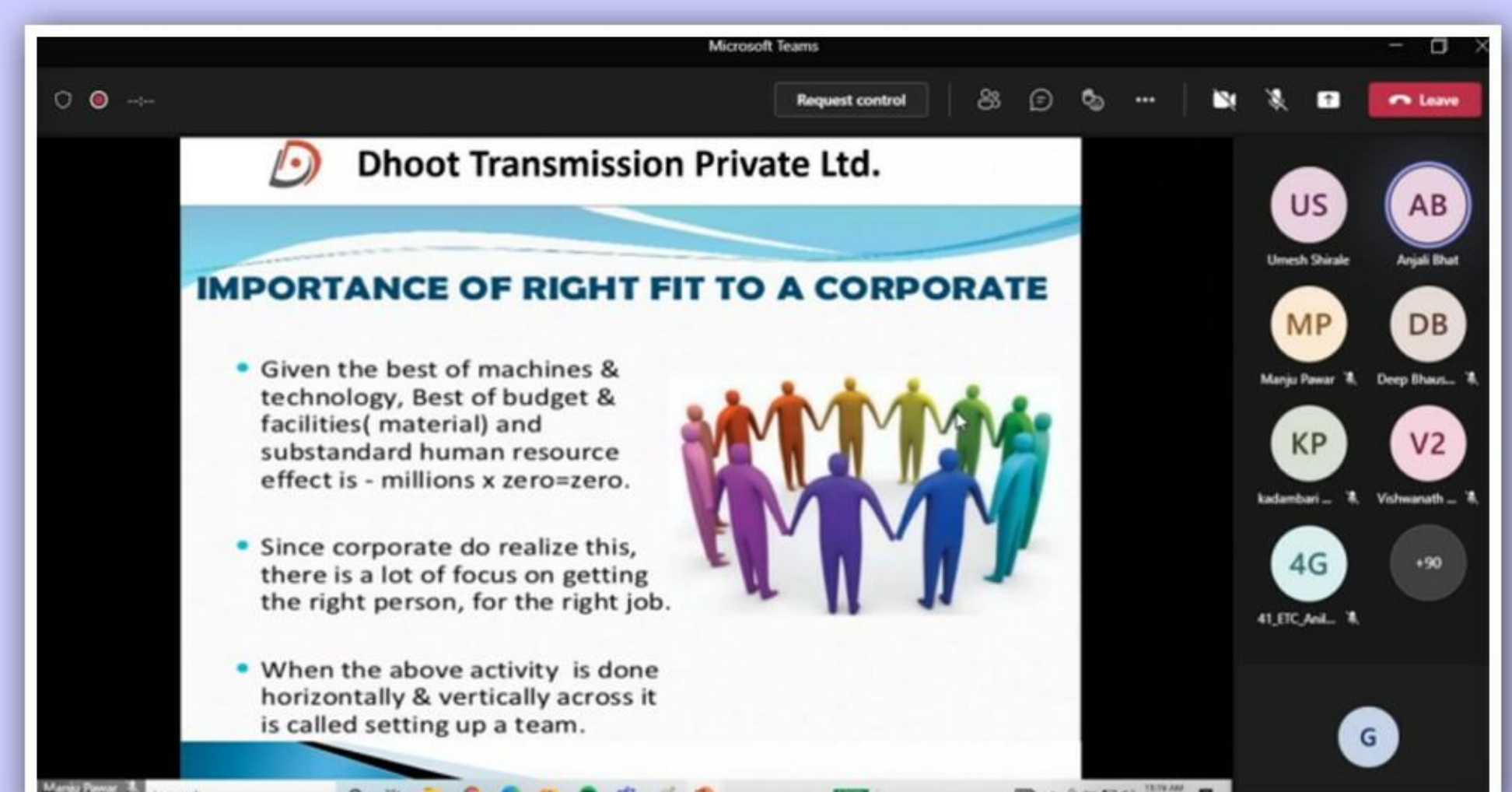
Speaker: General Dr. R. S. Panwar
Coordinated by: Mr. R. L. Gaikar



Expert Talk on

CAMPUS TO CORPORATE

Speaker: Mrs. Anjali Bhat
Coordinated by: Ms. Manju D. Pawar





EVENTO

Events organized by Department of Electronics and Telecommunication

Expert Talk on **CAREER OPERTUNITIES IN DEFENCE**

Speaker: Col. Anil Deshpande // **Coordinated by:** Mrs. S. J. Nandedkar

G.S. Mandal's
Maharashtra Institute of Technology, Aurangabad.
(An Autonomous Institute)
Permanently Affiliated to Dr. B.A.M. University, Aurangabad.
Approved by All India Council for Technical Education, New Delhi.
DTE Code- 2113

Department of Electronics and Telecommunication Engineering
An Expert talk on
"Career Opportunities in Defence"
Eminent Speaker

Date: 11th December 2021
Time: 3 pm

Link for registration : : <https://forms.gle/aew3rmEaFmkqTtVGJ6>

Mrs. S. J. Nandedkar
Coordinator

Dr. Abhilasha Mishra
HOD

Dr. Santosh Bhosle
Director

Anil Deshpande
Colonel, Indian Army

Expert Talk on **HOW TO ACE CAMPUS PLACEMENT**

Speaker: Er. Sushant Kumar // **Coordinated by:** Dr. Vinodpuri Gosavi

G.S. Mandal's
Maharashtra Institute of Technology, Aurangabad.
(An Autonomous Institute)
Permanently Affiliated to Dr. B.A.M. University, Aurangabad.
Approved by All India Council for Technical Education, New Delhi.
DTE Code- 2113

Department of Electronics and Telecommunication Engineering,
An Expert Talk on
"How to Ace Campus Placement"
Eminent Speaker

Date: 4th December, 2021
Time: 11:00 am

Link for registration : : <https://forms.gle/v7yHk5Xsum9KzcZYA>

Dr. Vinodpuri Gosavi
TPO Coordinator

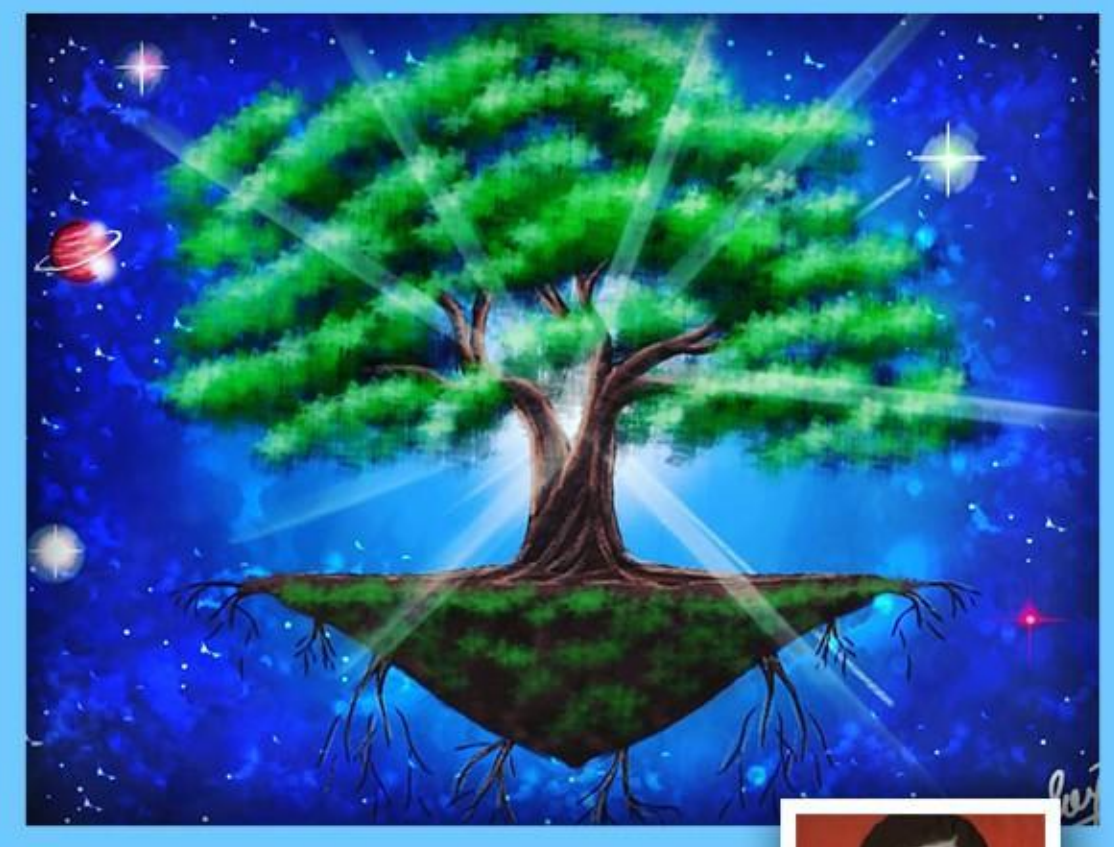
Dr. Abhilasha Mishra
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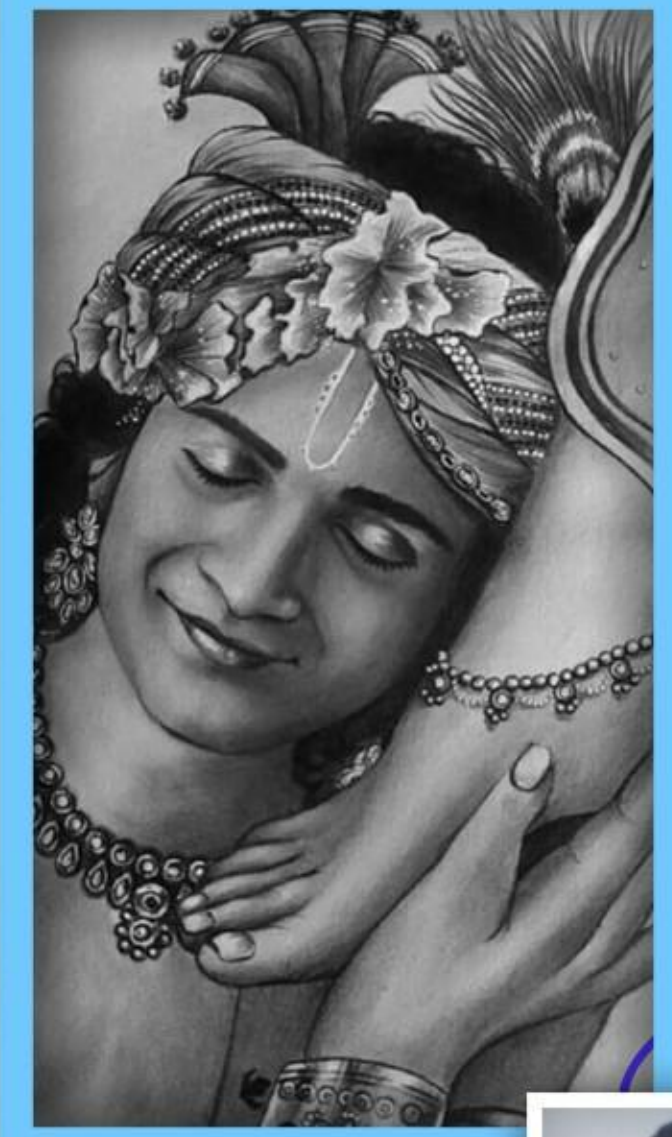
Er. Sushant Kumar
TATA TECHNOLOGIES
Sushant Kumar - Campus Recruitment Head



TALENTO



Samradnyee
Chintamani (TY)



Kadambari
Patil (SY)



Ashwini
Shisode (SY)



Sakshi
Pohnerkar (SY)



God gives every one same brain,
But some people are in use of it very train
Hence, he/she is best in study &
Everyone try to make him/her our best buddy
Beoz persons are identify from friends.

person who not use power of brain is all
around,
But person who use all power of brain
is not found.

The people who active more success is not
different than you,
But their is so difference in their activi-
ties or work which can they do...

I wish to tell you secret of success.
Do that activities that can't be done
by others,
The things that can fear others,
you will do that things.

- Shrushti Bhaviskar (SY)



कारुणिकाराची ज्ञान आपली
आपणही काही शिकून पाहिजे
पिंपळाच्या रोपासारखं
पाषाणावर टिकून पाहिजे

मद्यमाशाची दृष्टी ठेव
फुलांची काही कमी नाही
मद्याच्या पोळासाठी मित्रा
कुळीच रोजगार हमी नाही

घाबरू नको कुजाला
अय चिंता फाशावर टांग
जिव एवढा स्वस्त नाही
सावकाराला उणकानून सांग

काळ्या आईचा लेकर कुडी
संकटापुढे सुकुला का?
कितीही तापला सुर्य तरीही
समुद्र कुडी सुकुला का?

निघरिच्या वाटेवर टाक
निघरीडपणे पाय
तु फक्त विश्वास ठेव
पुन्हा सुगी देईल धरणीमाय

निघरिने जिंकू आपण
पुन्हा यशाचा गाड
आयुष्याची लढाई
फक्त हिंमतीने लढ.

- Sanjivani Pawlao (SY)



ACHIEVEMENTS



ACHIEVEMENTS IN ACADEMICS

FIRST YEAR TOPPERS



9.93 - SAKSHI NARWADE || 9.90 - AKANSHA PANDEY || 9.90 - SAHIL GOGE



SECOND YEAR TOPPERS

9.71 - GAYATRI KULKARNI || 9.62 - ARTI PAWAR || 9.33 - DURGESH RATNAPARKHE

THIRD YEAR TOPPERS



9.67 - AMRAPALI BORDE || 9.63 - ANUJA SUVARNAPATHKI || 9.59 - PRERNA BHOSLE

2021-22 Batch Placements



**Pratiksha
Dabhade**
Mindtree
(A Lerson and Toubro
Group of Company)



**Rohit
Trimalle**
Tech Mahindra Ltd



**Anuja
Suvarnapathki**
WIPRO, Pune



**Suhasini
Wakade**
All wave
AV systems Pvt.Ltd
Mumbai



ACHIEVEMENTS

ACHIEVEMENTS IN EXTRA-CURRICULAR ACTIVITIES



Name: Vaibhav Zirpe (SY ETC)

Achievement:

2nd position in volleyball at an annual cultural programs and an organised by Government polytechnic Nashik
Winner in the event **kho-kho** organised by Inter Engineering Diploma Students Sport Association Maharashtra state.

Name: Gayatri Kulkarni (TY ETC)

Achievement:

1st rank in female category in online talent show (article/ **poetry**) organised by Thermal Power Station (TPS), Parali on occasion of 16th anniversary of Maharashtra State Power Generation co.ltd



Name: Khishamuddin Shaikh (SY ETC)

Achievement:

Secured **3rd prize in poster competition** organised by Indian Water Works Association, Mumbai centre on the occasion of World Environment Day.

Name: Vedanti Gadekar (TY ETC)

Achievement:

Successfully participated in '**Talking Pen**' and '**Stocking Tower**' of PRAGYAA a national level Socio- Technical fiesta of Shri Guru Gobind Singh Ji Institute of Engineering and technology Nanded.



And many more...