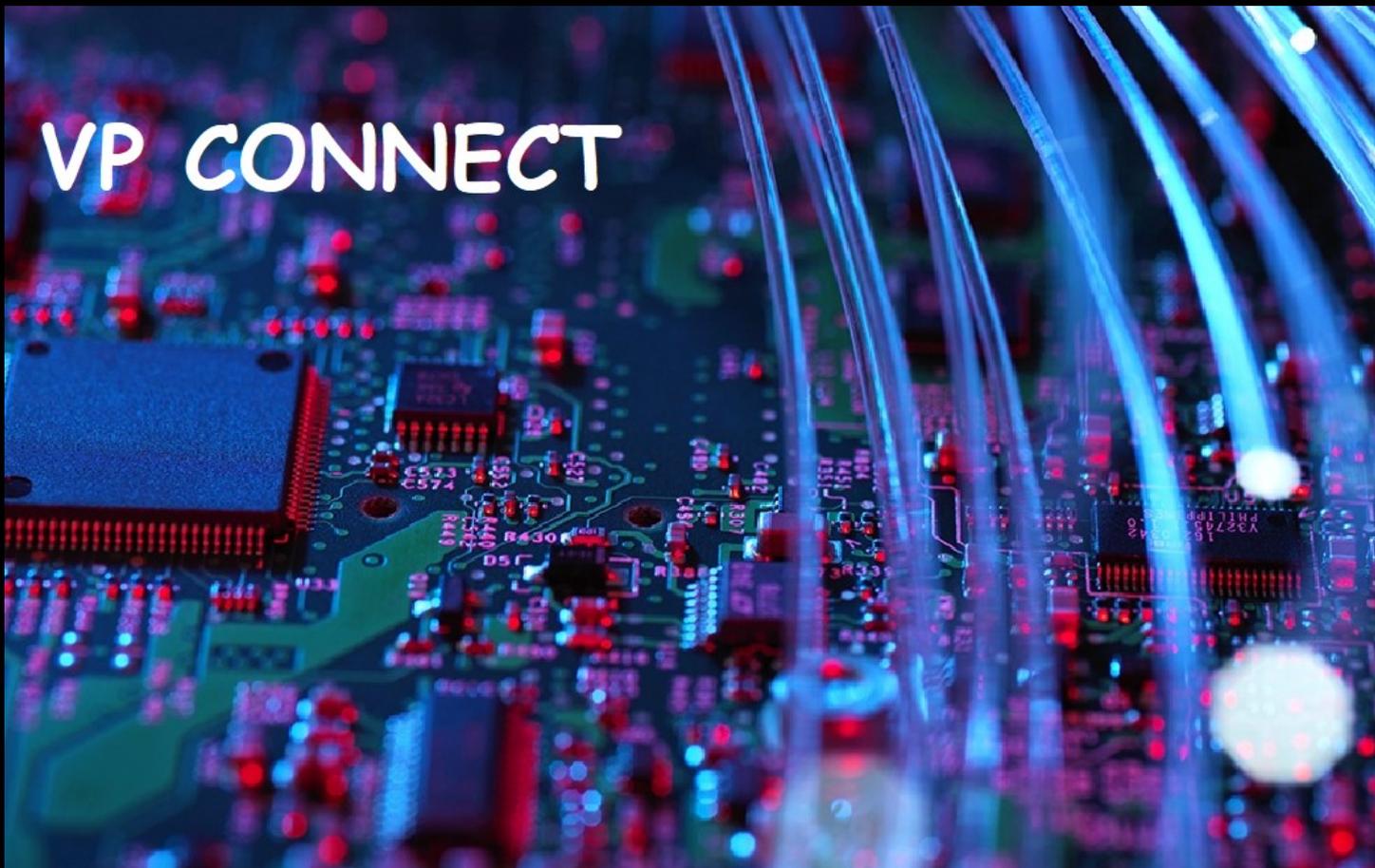


January to June 2019

# DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING



**Vidyalandkar**  
**Polytechnic**

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Faculty Achievements

**Institute Vision**

To achieve excellence in imparting technical education so as to meet the professional and societal needs.

**Institute Mission**

- Developing technical skills by imparting knowledge and providing hands on experience.
- Creating an **environment** that nurtures ethics, leadership and team building.
- Providing industrial exposure for minimizing the gap between academics & industry

**Program Vision**

To produce Electronics and Telecommunication engineers capable of effectively using technical knowledge and interpersonal skills to benefit the industry and society.

**Program Mission**

- Providing state of the art facilities and conducive environment enabling the students to sustain the challenges in the field of Electronics and Telecommunication  
Educating the students to face the competitive world, develop leadership skills and to instill discipline and ethics.

**Program Educational Objectives**

- PEO 1. Provide socially responsible, environment friendly solutions to Electronics and Telecommunication engineering related broad-based problems adapting professional ethics.
- PEO 2. Adapt state-of-the-art Electronics and Telecommunication engineering broad-based technologies to work in multi-disciplinary work environments.
- PEO 3. Solve broad-based problems individually and as a team member communicating effectively in the world of work.

**Program Specific Outcomes**

- Test and maintain modern electronic tools and telecommunication systems by applying technical and conceptual knowledge.
- Select appropriate technologies of specified electronic and telecommunication systems based on engineering principles and professional ethics.
- Develop critical thinking with inquiring and flexible attitude towards modern trends in electronics and telecommunication technology.
- Function effectively as an individual or as a leader in multidisciplinary teams with an ability to communicate in both technical and professional environment and by engaging in lifelong learning. and entrepreneurship by engaging in lifelong learning

## Program Outcomes (PO)

1. **Basic knowledge:** An ability to apply knowledge of basic mathematics, science and engineering to solve the engineering problems.
2. **Discipline knowledge:** An ability to Apply discipline specific knowledge to solve broadly defined Engineering problems.
3. **Experiments and practice:** An ability to plan and perform experiments and practices and to use the results to solve various engineering problems.
4. **Engineering Tools:** Apply the knowledge, techniques, skills, and modern tools with an understanding of limitations.
5. **The engineer and society:** Demonstrate knowledge to assess societal, health, safety, legal, cultural issues along with the consequent responsibilities relevant to engineering practice.
6. **Environment and sustainability:** Understand the impact of the engineering solutions in societal and environmental contexts to demonstrate the knowledge needed for sustainable development.
7. **Ethics:** Apply engineering principles with commitment to professional ethics and responsibilities for the development of society.
8. **Individual and team work:** Function effectively as a leader and team member in diverse/multidisciplinary teams.
9. **Communication:** To apply written, oral and graphical communication in both technical and professional environment with the ability to use appropriate technical literature.
10. **Life-long learning:** Recognize the need to prepare and develop the attitude to engage in independent and life-long learning in the context of technological changes.

## *From H.O.D 's Desk*



Electronics & Telecommunication Engineering is one of the most flourishing discipline that cultivates innovation and new trends in technology. It provides the most demanding skills one can learn to excel in this profession.

Department of Electronics & Telecommunication Engineering endeavors to provide best professional opportunities to our students and look forward to their bright future. We as a team resolve to take the department to greater heights of success and glory and prepare for the forthcoming challenges.

## Seminar on Professional Excellence



A seminar on “Professional Excellence” was organized for second and third year students. An icebreaker for the event was a role play done by the students. The speaker focused on key points like communication and personal grooming. She also helped the students to improve on the professional front with sessions on Email etiquettes, Meeting etiquettes, Time Management and problem solving techniques

## V- Technovation 2019

Vidyalankar Polytechnic, Project quality assurance committee has successfully organized project exhibition of final year students to encourage the building engineering talents of VP. The exhibition was the symbol of unflagging spirit of students as well as their guides to stand apart in selection of the project and its execution. Each group explained their project to the judging panel, based on project idea, presentation and technical knowledge project evaluation was done.

### Outcomes of the event:-

The function has been a result of good hard work done by the final year students who showed good enthusiasm to display their projects as well as students are motivated by the prizes and certificates.

### Feedback from final year students:-

It was an excellent experience to demonstrate work in front of Industrial expert and other review panel. Their valuable suggestions have really remained very useful for us. We learned many things from them.



## Inspiring Session on Success Stories.

A seminar was organized for second year diploma VP students who were learn the most precious lessons that is they should come up with from these inspirational success stories are:

1. Rejection should never stop you
2. Failure is not a problem at all
3. People who reject you know nothing

Believing in yourself is the key to success in life

There was a highly enthusiastic participation from the students who got motivated and inspired to different success stories by our speaker Ms. **Sindhu Krishnan**.



## ISTE Approved STTP on “Machine Learning using Smart Devices”

As per proposed schedule we organized STTP from 04th – 8th February 2019 . We got the approval from ISTE as per ref. no. of ISTE/Proceedings/STTP-SF/2019 by sending letter to ISTE and DD of Rs. 1229/-. We sent the invitations to around all Polytechnics in Mumbai and Pune regions by e-mail. In this program 29 (Internal) and 11 (External) participants registered. Outside participants had given excellent remarks for arrangement, seminars and hands on practical. Following speakers were called for STTP

Mr. Roopam Upadhyay, World Bank IFC

Mr. Avinash Goje , Technical Lead, Myraa Technologies

Mrs. Shweta Tripathi, Sr. Consultant Myraa Technologies

Mr. Kremar Mehta, Founder ,TalentHome

**VP** | Vidyalankar Polytechnic

ISTE  
INTEGRATED SOCIETY TECHNICAL EDUCATION

Vidyalankar Polytechnic organizes  
Sort Team Training Program  
on  
**“MACHINE LEARNING  
USING  
SMART DEVICES”**

Topics

- Machine Learning
- Python Programming
- Various Classification Algorithms
- Application Development

Organized By  
Department of Computer Engineering,  
Department of Information Technology and  
Department of Electronics and Telecommunication

QR Code for registration and link for registration  
<https://goo.gl/forms/aOuApfEqrc1RkMW2>  
OR  
Scan QR for Registration

Scan me

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## NEED OF THE HOUR

- 1) IoT (Internet of Things)
- 2) Cloud Computing
- 3) Block chain
- 4) Artificial Intelligence
- 5) Big Data

**IoT** : The Internet of things (IoT) is the network of physical devices, vehicles, home appliances and other items embedded with electronics, software, sensors, actuators, and network connectivity which enables these objects to connect and exchange data. The IoT allows objects to be sensed or controlled remotely across existing network infrastructure.

**Cloud Computing** : Cloud computing enables ubiquitous access to shared pools of configurable system resources and higher-level services that can be rapidly provisioned with minimal management effort, often over the Internet. Cloud computing relies on sharing of resources to achieve coherence and economy of scale, similar to a utility. Third-party clouds enable organizations to focus on their core businesses instead of expending resources on computer infrastructure and maintenance. Cloud providers typically use a "pay-as-you-go" model.

**Blockchain** : A blockchain is a continuously growing list of records, called blocks, which are linked and secured using cryptography which are resistant to modification of the data. Each block typically contains a hash pointer as a link to a previous block, a timestamp and transaction data. Blockchains are secure by design and are an example of a distributed computing system. The first blockchain was conceptualized in 2008 by an anonymous person or group known as Satoshi Nakamoto and implemented in 2009 as a core component of bitcoin where it serves as the public ledger for all transactions.

**Artificial intelligence** : AI is intelligence displayed by machines. In computer science AI research is defined as the study of "intelligent agents": any device that perceives its environment and takes actions that maximize its chance of success at some goal. Colloquially, the term "artificial intelligence" is applied when a machine mimics "cognitive" functions that humans associate with other human minds, such as "learning" and "problem solving".

**Big Data** : Big data is data sets that are so voluminous and complex that traditional data processing application software are inadequate to deal with them. Big data challenges include capturing data, data storage, data analysis, search, sharing, transfer, visualization, querying, updating and information privacy. There are three dimensions to big data known as Volume, Variety and Velocity.