

## About the Institute

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961 and was upgraded as a National Institute of Technology with the status of 'Deemed to be University' in 2002 and SVNIT at present is one of the prestigious Engineering institutions of the country, and has contributed many outstanding engineers in India and abroad. It is running seven undergraduate and seventeen postgraduate programs and Ph.D. Program in all disciplines of Engineering and applied sciences.

Special attention is given to interdisciplinary research. Institute receives large no. of research project grants from MHRD, AICTE, DRDO, DST, DIT and other funding agencies.

## About the Department

The Electronics Engineering Department was Established in 1982. Department is progressing at a rapid pace with the development in terms of infrastructure facilities, upgraded syllabi and learned faculty. Besides offering B. Tech. (Electronics & communication) the department also offers M.Tech. (Communication System) and M.Tech. (VLSI & Embedded Systems) and offers Ph. D. program. The department has strong research impact in the diverse areas of Electronics & Communication.

The focus areas of research are Advanced wireless technologies, RF Antenna Design, Optical Sensors, Free Space Optics, Image processing, Signal processing, Machine Learning, VLSI, Embedded Systems, Nanoelectronics and many more. Department laboratories are equipped with latest softwares. Department has organized International Conferences and number of STTPs / workshops in many areas.

## About the Course

Machine learning is a subset of artificial intelligence (AI) that focuses on analyzing and interpreting patterns and structures in data to enable learning, reasoning, and decision making outside of human interaction. The machine learning allows the user to feed a computer algorithm an immense amount of data and have the computer analyze and make data-driven recommendations and decisions based on only the input data. If any corrections are identified, the algorithm can incorporate that information to improve its future decision making. This Machine Learning online course offers an in-depth overview of Machine Learning topics, including working with real-time data, developing algorithms using supervised & unsupervised learning, regression, classification, and time series modelling. The participants will acquire knowledge of machine learning algorithms to solve real-world applications and how this powerful tool is being utilized in industrial applications. This course would help participants bridge the knowledge gap between a theoretical understanding of ML and its practical applications in industry. The participants will be able to get a fundamental idea of applying a machine learning algorithm to solve different real-life problems and design a machine learning applications of their own.

## Eligibility for Participation

- Academicians in any discipline from the engineering institutions
- Industry Personnel
- Research Scholars
- UG/ PG Students

# TEQIP III

Sponsored

One Week Online Short Term Course

On

## RECENT TRENDS in MACHINE LEARNING: AN INDUSTRY PERSPECTIVE

November 8-12, 2020

### Coordinators:

**Dr. Kamal Captain**

Assistant Professor, ECED

**Dr. Kirti Inamdar**

Assistant professor, ECED

### Organized By



Electronics Engineering Department

Sardar Vallabhbhai National Institute of Technology

Surat—395007

Gujarat, India

## Course Contents

The course includes industry perspective on machine learning applications in the areas, including but not limited to

- Computer Vision
- Image Processing
- Natural Language Processing
- Speech and Audio Processing
- Biomedical Signal Processing
- Assistive Technology
- AI in healthcare

## Resource Persons

- Dr. Hardik Sailor, Lead Senior Engineer, Samsung Research Institute Bangalore
- Dr. Parth Mehta, NLP Research Scientist, Parmonic
- Mr. Ganesh Iyer, Senior Software Engineer, Harvard Medical
- Dr. Manjira Sinha, Assistant Professor, Centre for Educational Technology, IIT Khargpur
- Dr. Tirthankar Dasgupta, Scientist, Innovation Lab, Tata Consultancy Services
- Mr. Peddakota Vikash, Data Scientist, ShareChat
- Mr. Meet Soni, Researcher, TCS Research and Innovation
- Dr. Nilesh Vaishnav, Lead Design Engineer, Cadence Design Systems, Audi R&D Group
- Mr. Falak Shah, Lear Research Scientist/ ML Research Lead, InFoCusp
- Dr. Sachin Pawar, Researcher, Tata Research Development and Design Centre (TRDDC)
- Mr. Nitin Ramrakhiyani, Researcher, TRDDC

## Short Term Course includes

Five Days Training will be taken by a group of experts mainly from industry and various reputed institutes like IIT, IIIT, NIT. Mode of training is Instructor-led live online.

- Instructor-led live online learning & Interactive Query Session.
- Training PPTs or recorded sessions after completion of training.
- Link for program will be shared in mail to the selected participants.
- **E-Certificates** will be given to active participants

## Important dates

Last date of registration (with Fees): **04/11/2020**

Confirmation to selected candidates (e-mail only):  
**6/11/2020**

Schedule of the course:**8/11/2020 -12/11/2020**

The detailed schedule will be sent to selected participants through mail

## Contact persons:

Dr. Kamal Captain, Coordinator  
Dr. Kirti Inamdar, Coordinator  
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S. V. National Institute of Technology,  
Ichchhanath, Surat - 395007  
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Email: [kamalcaptain@eced.svnit.ac.in](mailto:kamalcaptain@eced.svnit.ac.in),  
[kki@eced.svnit.ac.in](mailto:kki@eced.svnit.ac.in)

## Registration and General Information

Prospective applicants for the participation in the course should register through the following link

<https://forms.gle/AZmpq555iNoSACkp8>

## Registration Details:

Registration fee for the Program shall be as follows:

Participants	Proposed Fees (Rs.)
Academicians / Scientist/ Researchers	<b>600</b>
Students: Degree/PG/Ph.D.	<b>300</b>
Practicing engineers / Professionals	<b>5000</b>

The **non-refundable** registration fee should be paid **online through net banking to “Director SVNIT TEQIP IRG”** A/C No: **0277101028663**, Canara Bank, Nanpura Branch Surat, IFSC: CNRB0000277.

**(Kindly save the receipt or take screenshot of the payment).**

UG/PG/Research scholars have to attach bonafide certificate or photocopy of their valid identity card along with registration form.

# Application Form

TEQIP (III) SPONSORED

ONE WEEK SHORT TERM COURSE (Online Mode) ON

## RECENT TRENDS in MACHINE LEARNING: AN INDUSTRY PERSPECTIVE

November 8-12, 2020

Name and Address of the applicant:

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Gender: M/F\_\_\_\_ DOB:\_\_\_\_\_ Age:\_\_

Qualification:\_\_\_\_\_

Experience: \_\_\_\_\_

Designation:\_\_\_\_\_

Mobile No.:\_\_\_\_\_

Email:(1)\_\_\_\_\_

Address of Sponsoring Authority:

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### PAYMENT DETAIL:

Transaction details (NEFT/IMPS/RTGS receipt  
number) \_\_\_\_\_ Date\_\_\_\_\_

Rs. \_\_\_\_\_ Bank Name:\_\_\_\_\_

**Signature of the Applicant**

**Kindly attach institute ID card copy along with.**