Objectives

At the end of the program, the participants will be able to:

- Understand the advances and trends in machine learning from an industry perspective.
- Apply analytics on data to analyze and interpret the meaningful results from the same.
- Understand the importance of semi-supervised learning and deploying machine learning models.
- Disseminate knowledge regarding use-cases of Artificial Intelligence in Internet-of-Things, and overview of Adversarial Machine Learning.

Course Content

Accelerating Digital Transformation Journey with AIOT Solutions, Artificial Decision Making – How do Machines take Decisions?, Semi Supervised Learning - Tale of Two Industrial Applications, Deploying Machine Learning Models, AIoT: Artificial Intelligence meets Internet of Things, Adversarial Machine Learning: An Overview.

Faculty

Course will be conducted by senior eminent experts from research organizations, and industries working in this area. & experienced faculties from the premier institutes of the country.

Eligibility for Webinar

A Bachelor's or Master's degree in Engineering or Computer Applications or relevant fields

How to apply

Interested faculty members from Engineering colleges, polytechnics, persons from industries and R & D organizations, Ph.D. scholars are requested to fill up the attached application form and return it to the Coordinator, so as to reach on or before December 20, 2020.

Certificate from Sponsoring Authority

Certified that the above applicant is employed in our organization and the information stated by him/her has been verified and found correct. We sponsor him/her for attending National Webinar.

Date:
Place:

Signature of sponsoring authority with seal

Course Fee and Registration

Faculty Members (External)	NIL
Participants from Industry and R&D Organizations	NIL
Full – time Research Scholars	NIL

Important Dates

Last date for receipt of application	20/12/2020
Confirmation of Selection by Email / Website	24/12/2020
Commencement of Webinar	30/12/2020

Please send the duly filled application form to:

Prof. Pronaya Bhattacharya
Department of Computer Science and Engineering,
Institute of Technology, Nirma University
Sarkhej- Gandhinagar Highway, Tragad Patia,
Post.: Chandlodia, Ahmedabad - 382 481
Tel.: 9554559264
E-mail: pronoya.bhattacharya@nirmauni.ac.in

APPLICATION FORM
GUJCOST Sponsored National Webinar
on
Artificial Intelligence for Digital Transformation in Industry : A Step towards Digital India
December 30 – December 31, 2020

Organized by
Department of Computer Science and Engineering
Institute of Technology,
Nirma University, Ahmedabad

1. Name: ………...……………………………..
2. Qualification: …….……………….................
3. Designation: ……………….…………….…...
4. Organization: ………………………………..
5. Address for correspondence: ..………………
   …………………………………………………
   …………………………………………………
   Phone: ……..………………………………..
   E-mail: ..………………………….……….........
6. Experience (years) in relevant area:
   Academic: …………… Industry: ....

Date :
Place :

Signature of Applicant

About Nirma University

Nirma University, NAAC Accredited 'A' Grade, was established in the year 2003 as a statutory university under Gujarat State Act at the initiative of Nirma Education and Research Foundation (NERF). In 1994, founder of Nirma Industries and an internationally renowned entrepreneur Dr Karsanbhai K Patel crystallized his long cherished dream of providing world class facilities for professional education in Gujarat. He established NERF, which in turn established seven institutions. Functioning under the aegis of NERF, the university presently includes of a top grade – Institute of Technology (1995), a leading business school – Institute of Management (1996), an innovative Institute of Diploma Studies (1997), an Institute of Pharmacy (2003), Institute of Science (2004), Institute of Law (2007) and Institute of Architecture (2014). All these institutions have emerged as centers of excellence offering various programmes ranging from undergraduate to doctoral levels in technology, engineering, business, pharmacy, sciences, law and architecture.

About the Institute

Institute of Technology is a leading institute offering multidisciplinary undergraduate, postgraduate, MCA and PhD programmes in engineering. Institute is located in peaceful and sylvan surroundings, about 15 km from Ahmedabad Railway Station on Sarkhej Gandhinagar highway. The academic ambience provides full scope for development. The presence of the institute can also be felt by its alumni spread in national and multinational organizations as well as leading universities throughout the world. The institute provides an inspiring environment to all students to expand their intellectual dimension and recognize their hidden talents, not only in the technical field, but also in life skills.

Achievement Highlights

- National Award for Engineering College having Best Overall Performance for the year 2002, Best Engineering Teacher & Best M. Tech. Thesis awarded for the year 2016 by Indian Society for Technical Education (ISTE).
- Students won national ROBOCON competition in 2002, 2003, 2006, 2008, 2011, 2014, 2015 and represented India in International meets.
- The Institute has been ranked 21st in Top 25 India's Best Colleges and 2nd in West Zone by India Today in 2016.
- The Institute is ranked 79th by National Institute Ranking Framework (NIRF), MHRD, Govt. of India in 2017.
- Institute has been ranked 5th among top 100 Private T-Schools across the country as per the survey published by Dataquest 2016.

About the Department

The Computer Science and Engineering (CSE) Department offers B. Tech. programme in Computer Engineering, M. Tech. programmes in Computer Science and Engineering and Information and Network Security and Data Science, Master of Computer Applications (MCA) programme and Ph.D. programme in Computer Science and Engineering. The department has active research interest in various domains like Machine Learning, Data Mining, Computer Networks and Security, Blockchain, High Performance Computing, Unified Hardware Software co-design etc. The department has strong collaboration with many research organizations and leading industries like ISRO, PRL, IPR, BISAG, IBM, Microsoft, CISCO Network Academy, Infosys for academic and research purpose. The department has research labs on cutting-edge technologies like- Deep Learning, NVDIA supported lab, IoT, and Networking. In addition to above, the department hosts a super-computing facility- '*PARAM Shavak*'. The department emphasizes on effective teaching learning process including project-based learning using modern tools and technologies.

Centre of Excellence in Data Science

Data Science is an interdisciplinary field consisting of methods any systems to extract knowledge and insights from data. India has demonstrated rapid and sustained economic growth over the last decade and recent developments suggest that a focus on data science is a need of the hour. Taking this into consideration, the Institute of Technology University, has established the Centre of Excellence in Data Science in collaboration with SUNY Binghamton University, New York, USA. The Nirma-Binghamton University Centre of Excellence in Data Science will address specific development challenges by: (1) offering a research hub for undergraduate, postgraduate and doctoral students, attracting international expertise and practitioners (2) stimulating collaboration between academics, partners and stakeholders (3) demonstrating the relevance of the Centre for innovation , job creation and economic prosperity; and (4) securing resources to stimulate multidisciplinary collaborative international research projects. The Nirma- Binghamton University Centre of Excellence in Data Science is based in Nirma University and will place western regions of the India at the forefront of an emerging academic field that will encourage collaborative partnerships between academia, government and the private sector.

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Coordinator(s):
Dr. Priyank Thakkar, Dr. Swati Jain,
Prof. Pronaya Bhattacharya,
and Prof. Umesh Bodkhe.

Organized by

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