

THE PROGRAMME

The Modern Cloud Engineering programme focuses on automation, scalability, and reliability while developing skills in cloud infrastructure, DevOps, and deployment strategies. It integrates an industry-oriented approach through visits to various leading IT industries. These interactions expose participants to real-world cloud systems, CI/CD pipelines, and enterprise practices. The programme enhances practical understanding, aligns learning with current industry standards, and prepares students for modern cloud and DevOps roles.

OBJECTIVES

After successful completion of the programme, participants will be able to

- To enable participants to understand industry-relevant cloud-based solutions using contemporary technologies.
- To provide hands-on exposure to modern cloud engineering concepts through industry visits and expert sessions.
- To familiarize participants with automation and DevOps tools used in real-world software development and deployment.
- To bridge the gap between academia and industry practices by understanding current practice from leading IT companies.

COURSE CONTENTS

Modern Cloud Engineering and Automation focuses on designing, deploying, and managing scalable cloud systems using automation and DevOps practices. The course covers cloud fundamentals, virtualization, containerization with Docker, and infrastructure management using Infrastructure as Code (IaC), CI/CD pipelines, serverless applications, and implement microservices architecture. It also emphasizes monitoring, security, and cost optimization in cloud environments.

ASSESSMENT SCHEME

To ensure the effectiveness of the programme, the participants will be assessed continuously through group project/presentations. The certificate also includes the grade of the participant earned by him/her in this programme.

IMPORTANT DATES

Receipt of Application	23/05/2026
Confirmation of Selection By Email	30/05/2026
Commencement of Course	22/06/2026

REGISTRATION CHARGES

Faculty with ISTE Membership	Rs. 5000/- (18% GST Extra)
Participants from Industry and R&D organization	Rs. 8000/- (18% GST Extra)
External / Full Time Research Scholar pursuing Ph.D. (<i>Documentary Proof Required</i>)	Rs. 3000/- (18% GST Extra)

Course fee includes course material, lunch, tea. All other expenses are to be borne by the participants. Registration charges are non-refundable. Participants are required to make their own arrangements for lodging, boarding and travelling. However, on request, the arrangement for accommodation can be made on chargeable basis.

ELIGIBILITY FOR PARTICIPATION

Faculty members having ISTE membership from engineering (degree/diploma) colleges also associated with Computer Engineering/Information Technology/Computer Application and delegates from Industry, research organizations, Ph.D. Scholars.

CERTIFICATE FROM SPONSORING AUTHORITY

This is to certify that _____ is regular employee of our institution/industry and is hereby sponsored for the two week ISTE Approved Short Term Training Program on “STTP on Wheels: Modern Cloud Engineering and Automation” at Institute of Technology, Nirma University from June 22 to July 04, 2026. He / She will be permitted to attend the course for the entire duration if selected.

Date: _____
Place: _____
Signature of sponsoring authority with seal

HOW TO APPLY

Fill up the attached application form and return it to the Coordinator, so as to reach on or before 15th May 2026. Applicants should send the demand draft in favour of “**Institute of Technology, Nirma University**”, payable at **Ahmedabad**.

Please send the application form, duly filled to:

Dr Smita S Agrawal / Dr Vipul Chudasama
(079-71652217)
Computer Science and Engineering Department
School of Technology Institute of Technology,
Nirma University, Sarkhej - Gandhinagar Highway,
Ahmedabad - 382 481
Email: smitta.agrawal@nirmauni.ac.in
vipul.chudasama@nirmauni.ac.in

APPLICATION FORM ISTE Approved Short Term Training Programme On STTP on Wheels: Modern Cloud Engineering and Automation

22nd June 2026 to 4th July 2026

Under the Auspices
of
Internal Quality Assurance Cell
Organized by
Computer Science and Engineering Department
School of Technology,
Nirma University, Ahmedabad

1. Name:
2. Designation:
3. Qualification:
4. D.O.B: Sex: Male / Female
5. Institution / Industry:
6. Mailing Address:
Phone: Fax:
Email:
7. ISTE Membership:
8. Experience
Teaching: Years Months
Industry: Years Months
9. Subjects Taught:
10. Hostel Accommodation required: Yes / No
11. Demand Draft Rs. _____ No. _____ dated
..... Bank

Place: _____
Date: _____
Signature of Applicant



THE DEPARTMENT

The Computer Science and Engineering (CSE) Department offers B. Tech. Programs in Computer Science and Engineering, and Artificial Intelligence & Machine Learning, three M. Tech. programmes, Ph. D programme and MCA. Expertise and research interests of the department comprise various domains like Cyber Security, Data Science, Machine Learning/Deep Learning, Data Mining, HCI, High-Performance Computing, Image Processing, Computer Vision, etc. It has modern computing amenities equipped with the latest tools and technologies. The department collaborates strongly with research organizations and leading industries like ISRO, PRL, IPR, BISAG, IBM, Microsoft, CISCO, Hitachi and Infosys for academic and research purposes. The department is also working on many funded research projects. The department has established the Centre of Excellence in Data Science in collaboration with SUNY Binghamton University. It is also in process of establishing center in Cyber Security. It has NVIDIA-sponsored and state-of-the-art HCI as well as IoT laboratories.

ABOUT NIRMA UNIVERSITY

Nirma University 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, the 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 established nine institutions, including the Institute of Technology.

Internal Quality Assurance Cell (IQAC)

The Internal Quality Assurance Cell (IQAC) is a key step in setting long-term quality standards. IQAC is a significant administrative body that is responsible for all quality matters. It is the prime responsibility of IQAC to initiate, plan and monitor various activities that are necessary to increase the quality of the education, research and administrative aspects imparted in an institution. The role of IQAC in maintaining quality standards in teaching, learning and evaluation become crucial, and the present focus is to improve the functioning of IQAC with expected outcomes. To channelize all efforts and measures of the university towards promoting its holistic

academic excellence, the IQAC has been established. The prime task of IQAC is to facilitate and participate in the development of a system for conscious and consistent improvement in the academic, research and administrative performance of the university.

ABOUT INSTITUTE OF TECHNOLOGY

Institute of Technology is a leading institute offering multidisciplinary undergraduate, postgraduate, PhD Programmes in engineering and MCA. The institute is located in peaceful and sylvan surroundings, about 15 km from Ahmedabad Railway Station on Sarkhej Gandhinagar highway. The academic ambiance provides full scope for development.

ACHIEVEMENTS OF INSTITUTE

- Recently, Nirma University is accredited by NAAC with an A+ grade
- Nirma University is awarded 5 star rating by GSIRF in 2021.
- The university is also awarded the Center of excellence by the Government of Gujarat.
- Institute is ranked 4th in “Top Leading Engineering Colleges of Super Excellence” survey published by CSR – GHRDC for the year 2021
- Institute is ranked 4th under ‘Top 125 Private Engineering Institute Rankings 2021’.
- The institute has won National ROBOCON Competition for 10 times, and has represented India in ROBOCON Internationals.
- Received National Awards for the Best Teacher in Gujarat state, Best Chapter Award, and Best Student Chapter Award several times by ISTE.
- Advanced laboratories in Heavy Structures, Data Science, Cyber Physical System, Robotics & Automation and Cyber Security
- Sponsored Laboratories from Mitsubishi, NVIDIA, GUJCOST (PARAM Shavak), AICTE
- Active collaboration with foreign universities such as USC, SUNY, ASU, Iowa State University, Carlton University, etc.



ISTE Approved

STTP on Wheels: Modern Cloud Engineering and Automation

22nd June 2026 to 4th July 2026

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Computer Science and Engineering Department
School of Technology,
Nirma University, Ahmedabad

Coordinators

Dr Smita S Agrawal
Dr Vipul Chudasama

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