

About NITM

The National Institute of Technology (NIT) Meghalaya is one among the 31 NITs in India established in 2010 under the NIT Act 2007 (Amended 2012) of the Parliament of India as Institutes of National Importance with full funding support from the Ministry of Education, Government of India. The Institute is currently operating out of its temporary campus in Laitumkrah, Shillong. It offers B. Tech, M. Tech, M.Sc. and PhD programmes. The Institute has been ranked in all editions of the National Institute Ranking Framework (NIRF) and was ranked 61 in the Engineering category, NIRF 2020.

About Department of Computer Science & Engineering

The Department of Computer Science & Engineering, NIT Meghalaya offers B. Tech, M. Tech and Ph.D. programmes in Computer Science and Engineering discipline. The U.G Programme in Computer Science and Engineering is perhaps the most popular Programme in NIT Meghalaya, with an intake of 30 students per year. The department has adequate facilities to support the teaching activities and has a well-qualified and experienced faculty team. The Computer Science and Engineering department makes all efforts in imparting high quality education to its highly motivated students. One of the aims of this department to play its role of producing Computer Engineers ready to satisfy the needs of the Computer and IT world. The Department is also actively involved in various Research works in all domains of the discipline.



Patrons

Prof (Dr.) Bibhuti Bhusan Biswal
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Organizing Committee

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Dr. Deepak Kumar, Assistant Professor, NITM
Dr. Yogita, Assistant Professor, NITM
Dr. Bunil K Balabantaray, Assistant Professor, NITM
Dr. Akhilendra P Singh, Associate Professor, NITM
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Programme Monitoring Committee

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Prof. Harish Chandra Das, Dean (Faculty Welfare)
Dr. Atanu Banerjee, Dean (Student's Welfare)



AICTE Sponsored Five Days Online Short Term Training Programme (STTP)

On

Artificial Intelligence and its Societal Applications

(22-03-2021 to 26-03-2021)

Organized by



Department of Computer Science & Engineering
National Institute of Technology
Meghalaya
Shillong-793003, Meghalaya, India
Web: <https://www.nitm.ac.in/>

About STTP

Artificial Intelligence (AI) is gaining traction in areas of social responsibility. From climate change to social polarization to epidemics, humankind has been seeking new solutions to old but persistent problems. From a technological point of view, the amount of daily data produced in the digital universe now allows for state-of-the-art approaches, which may lead to innovative solutions in these underserved areas. Drones with AI capabilities can be used to find missing persons in wilderness areas. AI can be used to detect plant damage early through low-altitude sensors, including smartphones and drones, to improve yields for small farms. Adaptive-learning technology could base recommended content to students on past success and engagement with the material. AI can be used to identify tax fraud using alternative data such as browsing data, retail data, or payments history. Systematic and focused introductory lectures, including hands-on sessions, will be delivered over five days, which helps participants to segue into this exciting field of emerging technology. This course has been specially designed for the students, researchers, faculties, and industry personnel to provide them with an introductory yet exhaustive knowledge. It is expected that the course will help in enabling the participants to contribute to the academics, researches and industry in the field of AI.

Topics to be discussed

- AI and Deep Learning for Healthcare
- AI for Road Safety and environment perception
- Biomedical Image Processing
- AI for Drug Discovery
- AI in e-Governance
- AI for an intelligent power grid
- AI based computer vision applications
- Mobile communication for 5G in India

Resource Persons

Prof. P K Sahoo, Director, ABC Lab, CGU Taiwan
Dr. A K Luhach, The PNG UT, Papua New Guinea
Dr. Sabyasachi Pal, VP, Vodafone-Idea, India
Mr. S Kumar, Dy. Manager, NERLDC-POSOCO
Mr. T Dkhar, SIO & DDG, NIC Meghalaya
Prof. Dinesh Chutani, DTU, Delhi
Dr. Kuldeep Singh, MNIT Jaipur
Dr. Manoj Kumar, SMVDU, Jammu
Dr. C Maurya, IIT Indore
Dr. Amit Agarwal, Wells Fargo India

Eligibility

The faculty members of the AICTE approved institutions, research scholar, and Industry Persons can apply.

Selection will be done based on First-Come-First Serve basis. An evaluation test will be conducted at the end of program and certificates will be issued only to those participants attending all sessions of STTP and who qualifies the test with 60% marks.

Important Dates

Last date of Registration: 19/03/2021

Intimation to the participants: 20/03/2021

Confirmation to the participants: 21/03/2021

Registration Details

- Fee: No Registration fee.
- Time: 10.00 AM – 4.00 PM (3 Sessions)
- Selected candidates will be intimated through mail. Confirmation can be made through mail.
- The number of participants is restricted to 200.
- The participants will be selected on first-come first-served basis.
- Participants will receive the E-certificate after attending all sessions, submission of session wise feedback and attending online quiz in the final day of the programme.

Address for Correspondence

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Course Schedule

[Registration and Inauguration from 9.15 am – 9.45 am on 22.03.2021]

Dates	10:00 AM to 11:30 AM	11:30 AM to 12:00 PM	12.00 PM to 1.30 PM	1.30 PM to 2:30 PM	2:30 PM to 4.00 PM	4:00 PM to 5:00 PM
22.03.2021 (Monday)	<p>Session 1 Medical Images Analysis with Deep Learning for Disease Prediction Prof. Prasan Kumar Sahoo Director, (ABC) Lab, Professor, Dept. of CSIE, Chang Gung University, Taiwan</p>	Tea Break	<p>Session 2 Text Mining Dr. Yogita NIT Meghalaya</p>	Lunch Break	<p>Session 3 Deep learning for medical applications Dr. Kuldeep Singh MNIT Jaipur</p>	Discussion
23.03.2021 (Tuesday)	<p>Session 4 Deep Learning in Healthcare – How It's Changing The Game Dr. A K Luhach The PNG University of Technology, PNG</p>	Tea Break	<p>Session 5 Violence recognition using convolutional neural network Dr. C Maurya IIT Indore</p>	Lunch Break	<p>Session 6 Applications of Artificial Intelligence in Power System Mr. Subhash Kumar NERLDC POSOCO SHILLONG</p>	Discussion
24.03.2021 (Wednesday)	<p>Session 7 Machine Translation Dr. Thoudam Doren Singh NIT Silchar</p>	Tea Break	<p>Session 8 Introduction to Deep Learning Dr. Manoj Kumar SMVDU, Jammu</p>	Lunch Break	<p>Session 9 Data Stream Mining Dr. D Chutani DTU Delhi</p>	Discussion
25.03.2021 (Thursday)	<p>Session 10 Application of AI on Social Media Text Dr. Amit Agarwal Senior Data Analytics Wells Fargo India</p>	Tea Break	<p>Session 11 e-Governance and NIC: Catering to the needs in Covid 19 times Mr. T Dkhar DDG&SIO, NIC Meghalaya</p>	Lunch Break	<p>Session 12 AI for Automatic Grid Monitoring and Control Dr. D S Roy NIT Meghalaya</p>	Discussion
26.03.2021 (Friday)	<p>Session 13 Importance of AI in Mobile Service Management Mr. Sabyasachi Pal VP, Vadafone-Idea</p>	Tea Break	<p>Session 14 AI for 5G Dr. Satyendra Singh Yadav NIT Meghalaya</p>	Lunch Break	<p>Session 15 Road Environment Perception for Autonomous Driving Dr. D S Roy NIT Meghalaya</p>	Test & Valedictory session