

### About the Institute:

National Institute of Technology (NIT) Silchar, an institute of national importance under the NIT Act, was established in 1967 as Regional Engineering College (REC) Silchar in Assam. In the year 2002, it was upgraded to the status of NIT from REC. NIT Silchar is situated on the banks of river Barak and a sprawling campus spread over 600 acres of land on Silchar outskirts. The landscape of NIT Silchar is beautiful with natural lakes and hillocks, surrounded by tea gardens. The climate of Silchar during July is delightful, with an average temperature around 20-25<sup>0</sup>C. NIT Silchar is a fully residential institution with nine hostels for boys and three hostels for girls. NIT Silchar is a teaching and research institute which steps in the various national and international ranking frameworks.

### About the online FDP:

This ATAL FDP is a tailor-made program for the benefit of CBSE school teachers all over India. Artificial Intelligence (AI) is playing a major role in the fourth industrial revolution and we are seeing a lot of evolution in various machine learning methodologies. AI techniques are widely used by practicing engineers to solve a whole range of hitherto intractable problems. The prime objective of this online FDP is to bring the school teachers from different parts of our country to a common gathering for exchanging and sharing knowledge about the recent developments in AI.

### Chief Patron

Prof. Sivaji Bandyopadhyay, Director, NIT Silchar

### Protagonist

Prof. A.K. Barbhuiya, Dean Academics, NIT Silchar

Prof. M. Ali Ahmed, Dean, R&C, NIT Silchar

Prof.P.K.Patowari, Dean FW, NIT Silchar

### Chairpersons

Dr. Samir K Borgohain, HOD-CSE, NIT Silchar

Dr.K.L.Baishnab, HOD-ECE, NIT Silchar

Dr. S.H.Laskar, HOD-EIE, NIT Silchar

Dr. A Chowdhury, HOD-Physics, NIT Silchar

Dr.Sukumar Pati, TEQIP –III Coordinator

### Resource Persons

Prof.Malay Kumar Kundu, ISI Kolkatta

Prof.Kannan Pakshirajan, IIT Guwahati

Prof.R.Kumar, NIT Nagaland

Dr.C.Saravanan, NIT Durgapur

Prof.Hemachandran, Assam University Silchar

Dr. Y.K.Singh, CDAC Silchar

Dr.Saurabh Pal, University of Calcutta

Dr.Hariharan Muthusamy, NIT Uttarakhand

Dr. Suganyadevi. K, NIT Silchar

Dr.R.Murugan, NIT Silchar

Dr.Shankar. K, NIT Silchar

Dr.P.Srinivasan, NIT Silchar

Dr.Tripti Goel, NIT Silchar

Dr. Sreejith. S, NIT Silchar

**AICTE sponsored**  
**AICTE Training and Learning (ATAL) Academy**  
**Online Faculty Development Programme**

**On**

**“Role of Artificial Intelligence in Science and Engineering Applications (RAISEA-2020)”**

**for**

**CBSE School Teachers**

**26 – 30 October 2020**



**Convenor**

Dr. Suganyadevi. K  
Department of CSE

**Coordinators**

Dr. R.Murugan, Department of ECE  
Dr. Shankar. K, Department of EIE  
Dr.P.Srinivasan, Department of Physics

**Organized by**

**National Institute of Technology Silchar**  
Silchar, Cachar, Assam, India-788010  
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### **About CSE Department:**

The undergraduate program in Computer Science and Engineering started with the admission of its first batch of B.E. students in the year 1987. The department offers B. Tech., M. Tech. and Ph. D. programs. With sound Vision and Mission, this department provides a platform for nurturing Engineers and researchers to lead the country in particular and the entire world in general. The department is well-equipped with ultra-modern facilities for research. The faculty members are specialized in diverse fields and there is a commendable research ambiance in the Department. Department of Computer Science and Engineering takes up R & D projects sponsored by various funding agencies. Department of Computer Science & Engineering (CSE) is continuously producing “Engines & Engineers” to serve the entire world since its inception. We transform JEE qualified students as Engineers.

### **About ECE Department:**

The Department offers B.Tech. in Electronics and Communication Engineering and M.Tech. in two specializations (i) Micro-Electronics and VLSI Design & (ii) Communication and Signal Processing Engineering. This department also offers a Ph.D. in Electronics and Communication Engineering. The state-of-the-art laboratory facilities exist in the department to facilitate the UG, PG, and Ph.D. scholars to research the frontier research areas of Electronics and Communication Engineering. The faculty members are specialized in diverse fields, and there is a commendable research ambiance in the department. Department of Electronics and Communication Engineering takes up R & D projects sponsored by various funding agencies such as DST, SERB, BARC, MeitY CSIR, and many more.

### **About EIE Department:**

The Department of Electronics & Instrumentation Engineering (EIE) was established in 2008. The department offers a B.Tech. Program in Electronics and Instrumentation Engg., an M.Tech. program in Instrumentation Engg., and Ph.D. program. The department has several well-equipped laboratories for the regular course as well as research. It has a library containing basic books needed for students and faculty members too. Various research and developmental activities are taken up by the department to keep the students on busy schedules enabling them to blend with the modern industrial requirements. The department regularly organizes seminars, workshops, conferences at the national and international levels.

### **About Physics Department:**

The Department of Physics is actively involved in the research in the emerging areas of science and technology. Since its inception, the department of physics has provided both basic and engineering-oriented physics theory and practical courses for the B. Tech. first year students. Presently, M.Sc. and Ph.D. programme are also going on in the department. Broad areas of expertise available in the department are Solid State Gas Sensors, Carrier Transport in Thin Films, Ferroelectrics and related materials, Multiferroics, Solar Energy Materials, Liquid Crystals, Semiconductor Nanostructure and Devices, Polymer Nanocomposites, Solar Photocatalysis, Solar Energy Materials, Energy storage devices and materials, Nanoionics based resistive switching devices, Non-linear Optics, Theoretical Physics, Theoretical Nuclear and Particle Physics, etc.

### **Registration and selection process:**

Registration Fee:

No fee will be charged from the participants of CBSE affiliated schools.

Link for online registration:

<https://www.aicte-india.org/atal>

<https://atalacademy.aicte-india.org/login>

### **Course Materials:**

Lecture slides and other reference materials will be shared with the registered candidates through e-mail.

### **Certification:**

E-certificates will be provided to the participants who have attended the program without any absenteeism.

### **Contact details:**

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