

Programme Schedule:

Day 1(11th Feb, 2021)

Timing:10 AM-12 Noon

Resource Person:

Prof. (Dr.) Ram Bilas Pachori, Professor in Dept. of EE, IIT, Indore

Topic: Research, Research Methodology, and Publication

Timing: 2 PM-4 PM

Resource Person: Prof (Dr.) G. Panda, Professorial Fellow, IIT Bhubaneswar, Odisha.

Topic: Quality Research papers: Requirements and Drafting

Day 2(12th Feb, 2021)

Timing: 10 AM-12 Noon

Resource Person: Prof. (Dr.) R. K. Mishra, Professor in Dept. Of ES, Berhampur University, Odisha

Topic: Some Unorthodox Methods for Researchers: Few Examples

Timing: 2 PM-4 PM

Resource Person: Prof (Dr.) G. Panda, Professorial Fellow, IIT Bhubaneswar, Odisha.

Topic: Preparation of Research Projects

Day 3 (13th Feb, 2021)

Timing: 10 AM-12 Noon

Resource Person: Prof (Dr.) Sidhartha Panda, Professor in Dept. of EEE,VSSUT, Burla, Odisha

Topic: Soft computing applications to engineering problems

Timing: 2 PM-4 PM

Resource Person: Prof (Dr.) S. Raghavan, Retd. Professor, Dept. of ECE, NIT, Tiruchy

Topic: Research avenues and methodology in microwave integrated circuits (M.I.C.s)

Chief patron:

Prof (Dr.) C. R. Tripathy, Vice Chancellor, BPUT, Odisha

Patron:

Prof.(Dr.) Rama Prasad Panda, Principal, SIT, Sambalpur
Prof.(Dr.) Enakshi Das, Dean, TEQIP-III Coordinator, SIT, Sambalpur

Convener:

Prof. Manas Ranjan Jena, ECE

Advisory Committee:

Dr.Ranjan Kumar Jena, Coordinator
TEQIP III, BPUT, Odisha
Dr.Siv Kumar Mishra, EAP Coordinator
TEQIP-III, BPUT, Odisha
Dr. Manas Ranjan Nayak, Nodal Officer Academic,
TEQIP-III, BPUT, Odisha
Prof.(Dr.) T. Thakur, HOD, BSH
Prof. M. Samal, HOD, CSE
Prof. S. Pradhan, HOD, ME
Prof. N. K . Naik, HOD, EE
Prof. S. Patel, HOD, CE
Prof. (Dr.) L. M. Pradhan, BSH

Organizing Committee:

Prof.N. K . Naik, HOD, ECE
Prof.B.K. Chaudhary, ECE
All faculty & staff members of Department of Electronics & Communication Engineering, Silicon Institute of Technology, Sambalpur.



Silicon **TEQIP - III**
...beyond teaching TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME - III

TEQIP-III, BPUT, Odisha

Sponsored

**Three-Day Short Term Training
Program (Online)**

On

**“Essential Tools and Techniques in
Research Methodology”**

ETTRM-2021



(February 11-13, 2021)

About the Institute:

Silicon Institute of Technology started its first campus at Bhubaneswar in 2001 and with the completion of its nine glorious years it ventured into Western Odisha for its second campus at Sambalpur in 2009. After **twelve** years of its existence, Silicon, Sambalpur otherwise known as Silicon West is now a familiar name in the field of technical education of Odisha. Since its inception, the institute has been undergoing continuous improvisation by adapting to modern and innovative technologies in order to cater to the students' needs.

Team silicon came up with the campus primarily to meet the growing **demands** of technical workforce for core industries in Sambalpur, Jharsuguda & Sundargarh industrial zone. Silicon West offers core engineering courses and to train the students to cater to the needs of these industries. The institute has an enthusiastic & competent team of faculty members with state-of-the-art laboratories and safe residential accommodation having modern amenities.

Silicon West, 15km away from Sambalpur and 5 km away from Rengali has excelled in imparting the best of technical education and has become a centre for pursuits of engineering education. The strength of Silicon lies in its determination to go beyond teaching through creative learning and teamwork. The team of dedicated personnel comprising **of** initiators, advisors, members of management, faculty & staff through their cooperative and relentless efforts has been contributing for the swift growth of the Institute.

All the programmes offered at Silicon are approved by All India Council for Technical Education (AICTE), Ministry of HRD, Government of India, recognized by Government of Odisha and the institute is affiliated to the Biju Patnaik University of Technology (BPUT), Odisha.

The department of Electronics and Communication Engineering aims at producing competent and dynamic engineers to cope with the fast changing areas of Electronics and Communication Engineering.

About the Department:

The Department offers undergraduate course in Electronics & Communication Engineering and this course **has proven** to be indispensable to industrial establishments. All laboratories are well furnished with sophisticated equipments and software based on latest technology.

Objectives of the Programme:

Nowadays, Research becomes an indispensable task for right from students to academicians. Research may be generally defined as systematic congregation of data and information and its analysis for improvement of knowledge in any subject. Research attempts to raise practical questions and find intellectual answers through application of efficient methods. Research Methodology is a technique to systematically resolve a research problem. It aims to contribute the work organization of research. It offers training in selecting methods, materials, scientific tools, and techniques relevant to the solution of the problem. It helps to adequate academicians for their research activity in various engineering applications such as Signal processing, Image processing, Biomedical signal processing, RF and CMOS design, Mobile communication, Satellite communication, radio telescope for astronomy, radar surveillance system, and also to GPS positioning system known as car navigation system, and many more.

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

- Research and Research methodology
- Research methodology and publication
- Understand some basic concepts of research and its methodologies
- Identify appropriate research topics
- Select and define appropriate research problem and parameters
- Prepare a project proposal
- Organize and conduct research in a more appropriate manner
- write a research report and thesis
- write a research proposal (grants)
- Research Methodology in Microwave Integrated Circuits (M. I.Cs)

- Role of computational techniques in engineering applications

Therefore, it is planned to organize a three-day Short Term Training Programme (STTP) on Essential Tools and Techniques in Research Methodology by the Department of Electronics and Communication Engineering at Silicon Institute of Technology, Sambalpur, Odisha. This program aims to train the faculty members, Research scholars in research methodology and discourse the practical challenges encountered and the solutions adopted.

Register for free:

<https://forms.gle/Xwrn5iTA6AwZpA8>

Join Whatsapp link for further communication:

<https://chat.whatsapp.com/HK4TlxOgWk18RsQ03oRXtu>

e-Certificates will be provided to the participants after successfully attending all the sessions and submission of feedback form of the STTP.

Organized by:

Department of Electronics & Communication Engineering,
Silicon Institute of Technology, Sambalpur.

www.silicon.ac.in

Correspondence:

Prof. Manas Ranjan Jena,
Department of Electronics & Communication Engineering,
Silicon Institute of Technology, Sambalpur,
Odisha, 768200.
Cell: (+91)-9090361026
E-mail: manasranjan.jena@silicon.ac.in

