

## REGISTRATION FORM

# NATIONAL SEMINAR ON Recent Advancement in Artificial Intelligence and Machine Learning Techniques

**(RAAIMLT 2020)**

(Under TEQIP Phase III)

1. Name: \_\_\_\_\_

2. Designation: \_\_\_\_\_

3. Specialization: \_\_\_\_\_

4. Department: \_\_\_\_\_

5. Organization: \_\_\_\_\_

6. Mailing Address: \_\_\_\_\_

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Phone \_\_\_\_\_

Fax \_\_\_\_\_

E-mail \_\_\_\_\_

7. Demand Draft Details

DD No \_\_\_\_\_ Dated \_\_\_\_\_

For Rupees \_\_\_\_\_ On Bank \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

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### Resource Persons :

#### Chief Guest :

Prof. Dr. R. K. Jena, Prof. Electrical Engg.,  
CAPGS, BPUT, ODISHA

#### Invited Speakers :

Dr. Harish Sahoo, Asso. Prof., VSSUT, Burla  
Dr. J.K.Das, Prof., KIIT University, Bhubaneswar  
Dr. B.K.Mishra, Prof., GIET Univeristy, Gunupur  
Ms. Ritu Maity, Prof. CTTC, Bhubaneswar

#### Call for Papers

Original contribution of ongoing research and unpublished research work / survey are expected from authors. Further, authors are requested to submit soft copy of full length research paper through email for presentation.

#### Venue of the Seminar

Synergy Institute of Engineering & Technology,  
Dhenkanal.

#### Registration for Seminar

From Industry/Hospitals **Rs.1000/-**  
Academicians / Research Scholars **Rs.1000/-**  
Students **Rs.500/-**

Registration fee is to be paid in the form of DD in favour of 'Principal, Synergy Institute of Engineering & Technology' payable at Dhenkanal. The registration fee includes Seminar participation certificate, kit, lunch & refreshment.

#### Important Dates

Last date of submission of paper : **January 15, 2020**  
Notification of acceptance : **January 17, 2020**  
Last date for registration : **January 20, 2020**

#### Correspondence

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Engineering, Synergy, Dhenkanal  
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**Mobile: (+91)-9437292409, 9861399173**

## NATIONAL SEMINAR ON Recent Advancement in Artificial Intelligence and Machine Learning Techniques **(RAAIMLT 2020)**

(Under TEQIP Phase III)

**January 22, 2020**



Since 1999



#### SPONSORED BY

Biju Patnaik University of Technology (BPUT)  
(Under TEQIP Phase III)

#### ORGANISED BY

Department of Electronics & Telecommunication Engineering  
Synergy Institute of Engineering & Technology  
NH 55, Banamali Prasad,  
Dhenkanal 759 001, ORISSA, INDIA.  
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Email : sietdkl@synergyinstitute.net  
Website: www.synergyinstitute.net

## Synergy group of institutions

Synergy group of institutions, with its two sister organizations i.e. Synergy Institute of Engineering & Technology (SIET), Dhenkanal & Synergy Institute of Technology (SIT), Bhubaneswar, are under Shivani Educational Charitable Trust. SIET, Dhenkanal, is 70 km away from Bhubaneswar and has started functioning in 1999. It was the first engineering college in Eastern India to get the ISO 9001:2000 Certification for its quality education & service and also achieved the Accreditation from NBA (AICTE, New Delhi) & National Assessment Accreditation Council (NAAC) for all its major departments. During the last 20 glorious years it has achieved many coveted distinctions & served thousands of direct & indirect beneficiaries through lucrative placements across the globe. With the experience gained over the years, the Synergy group has expanded its activity to Bhubaneswar, by opening an under graduate Engineering College named Synergy Institute of Technology (SIT) in 2009 at Phulnakhara, Bhubaneswar.

## Department of Electronics and Telecommunication Engineering

The department of Electronics and Telecommunication Engineering aims at producing qualified and dynamic engineers to cope with the fast changing areas of Electronics and Telecommunication Engineering. It has been accredited by NBA in the year 2008. The Department offers undergraduate course on Electronics and Telecommunication Engineering. The course has gained paramount importance and has proved to be indispensable to industrial establishments. All laboratories are well furnished with sophisticated equipment and software based on latest technology.

## Objective of the National Seminar

Several studies have shown that, the application of a machine learning technique has significantly improved the cancer prediction outcome by 15% to 20% the last years.

Continuous evolution related to cancer research has been performed. Oncologists have applied different screening techniques used to detect cancer types before it shows symptoms. There are also statistical predictive models for early prediction. However, to meet the challenging task of accurate prediction of disease outcome, machine learning methods have become a popular tool for medical researchers. These techniques can discover and identify patterns and relationships between them from complex data sets, while they are able to effectively predict future outcome of a cancer. Hence the proposed seminar focuses on the topic related to recent advancement and techniques in artificial intelligence: machine learning and deep learning algorithms and mathematical models with relevance to oncology.

### Topics for the Seminar includes, but are not limited to:

- Artificial intelligence and precision medicine - Road To Super Intelligence; State of the art ML applications in health domain.
- Deep Learning for Information Fusion Use case related to medical data and medical images
- Machine Learning Predictive models and Precision medicine
- Deep Learning Traditional Neural networks vs deep Neural Networks, Architecture, Algorithms & Techniques and Research focus
- Deep science for medical AI
- GUI for Model Building and Hyper Parameter tuning for Performance
- Deep Learning in Oncology-Applications in fighting cancer

### Chief Patron

Prof. Dr. Chita Ranjan Tripathy,  
Vice Chancellor (VC), BPUT

### Patron

Shri Binod Dash, Chairman,  
Synergy, Dhenkanal

### President

Dr. Itishree Mohanty,  
Principal, Synergy, Dhenkanal

### Convener

Prof. Dr. P.K. Nayak,  
H.O.D of, E&TC Dept., Synergy, Dhenkanal

### Co-Convener

B. Sahoo, Asst. Prof.  
Dept. of E&TC, Synergy, Dhenkanal

### Advisory Committee

Er. A.K. Sahu, Trustee, Synergy, Dhenkanal  
Dr. L.D. Samant, Professor, Dept. Of Electrical Engg.  
Prof. P.K. Mishra, Professor in English,  
Prof. S.S. Pati, HOD, Electrical Engineering  
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Dr. M.P. Dash, Dept. Of Physics  
Prof. R. Panda, Mechanical Engineering  
Prof. Kalpna Sahu, Dept. Of Management

### Organizing Committee

Asso. Prof. B.D. Pradhan,  
Dept. of E&TC, Synergy, Dhenkanal  
G. Muduli, Asst. Prof.  
Dept. of E&TC, Synergy, Dhenkanal  
Mrs. B. Sahoo, Asst. Prof.  
Mr. Bikash Pattnaik  
Mrs. P.P. Kabi  
All faculty and staff members, Dept. Of Electronics & Telecomm. Engg., Synergy, Dhenkanal

### How to Reach

SYNERGY is situated at Banamali Prasad, by the side of NH 55 (Earlier NH 42) By pass in the District Headquarters of Dhenkanal, Odisha. The place is well connected by good roads and rail. The N. H. 55 connects Dhenkanal to the major cities of the state and the country. The state capital Bhubaneswar is just 70 kms away. The old capital Cuttack is just 50 kms away.

