

## Patrons

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Pro-Vice Chancellor

**Dr. A. Azad**

Registrar

## Conveners

**Dr. Venkatesan Selvam**

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**Dr. I. Sathik Ali**

HOD - IT

## Coordinators

**Dr. G. Kavitha**, Associate Professor / IT

**Dr. Latha Tamilselvan**, Professor / IT

**Dr. P. Latchoumy**, Associate Professor / IT

## Organizing Committee Members

**Dr. M. A. Rabbani**, Professor / IT

**Dr. M. Kabeer**, Associate Professor / IT

**Dr. N. Prakash**, Associate Professor / IT

**Dr. R. Priyadarshini**, Asst. Professor (Sel. Gr) / IT

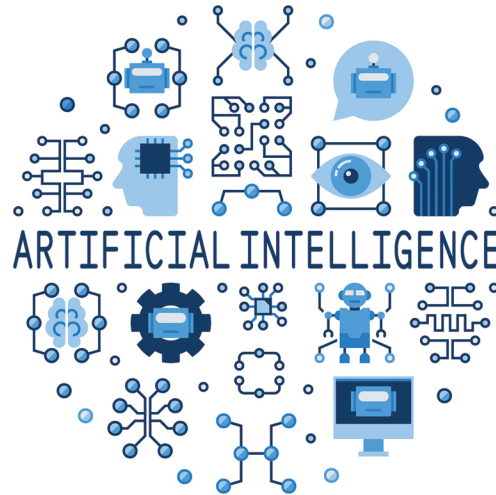
**Mr. N. Rajendran**, Asst. Professor (Sr. Gr) / IT

**Dr. P. Gnanasekaran**, Assistant Professor / IT

**Ms. A. Sonya**, Assistant Professor / IT

**No Registration Fee**

**Last Date for Registration**  
**26-11-2020**



**Scan QR to Register**



**Registration Link**  
<https://tinyurl.com/y3cw9mvr>



**One Week**  
**Short Term Training Programme (STTP) - Online**  
**on**

## **Artificial Intelligence** **&** **Deep Learning Techniques**

Organized by  
**Department of Information Technology**  
School of Computer, Information and Mathematical Sciences

Sponsored by



**Slot I : 30.11.2020 - 05.12.2020**



**Address for Communication:**

The Coordinators – STTP  
Department of Information Technology  
B.S.A. Crescent Institute of Science & Technology  
Vandalur, Chennai – 600 048  
Tamilnadu, India.  
sttpit@crescent.education

[www.crescent.education](http://www.crescent.education)

## Course Content

- Introduction to Artificial Intelligence, Deep Learning
- Problem Solving by Search
- Knowledge Representation and Reasoning
- Supervised and Unsupervised learning models
- Python for AI
- Multilayer Perceptrons
- Convolution Neural Networks
- Recurrent Neural Networks
- Auto encoders
- TensorFlow Python
- Applications and Research Directions

## Programme Objectives

- To introduce the basic principles, techniques, and applications of Artificial Intelligence.
- To gain knowledge on various learning models used in AI and Deep Learning techniques.
- To give a complete hands-on experience in NumPy, Pandas and Tensor flow for training models.
- To acquire knowledge on Perceptrons, Convolutional Neural Networks and Recurrent Neural Networks.

## Programme Outcomes

On successful completion of this STTP, the participants will,

- Recognize the importance of Artificial Intelligence and Deep learning models in solving real world problems.
- Analyse supervised and unsupervised learning models for training and prediction.
- Apply deep learning algorithms for text classification and image classification.
- Apply the concepts of Deep Learning Architectures in Computer vision and health care applications.

## About the Institution

B. S. Abdur Rahman Crescent Institute of Science and Technology is a renowned Quality Leadership Institution located at Chennai. Through our long history of 36 years of excellence, the Institution offers 49 programmes, grouped under 12 different Schools, 29 Undergraduate programmes, 20 Postgraduate programmes, and Ph.D. with promising Quality. This institution is an intellectual destination that challenges conventional thinking and stimulates passion to redefine learning.

## About the Department

The department was started in 1999 and has been offering B.Tech - Information Technology, M.Tech - Information Technology and Ph.D. It has highly qualified, experienced and dedicated faculty members specialized in various areas like Artificial Intelligence, Deep Learning, IIoT, Cyber Security, Network Security and Cloud Computing. The faculty members contribute their best to the academic environment by filing patents and publishing research papers in National and International Journals. The department imparts comprehensive knowledge coupled with practical exposure, which is essential for software design, development and testing in the IT industry.

## About the STTP Programme

The Short Term Training Programme on “Artificial Intelligence and Deep Learning Techniques” is aimed to equip the participants with knowledge on Deep Learning and provide hands on training sessions. The course covers the fundamentals of AI, Machine learning and Deep Learning and the challenges and research perspectives in various domains.

## Target Audience

The STTP is intended to faculty members of Engineering colleges approved by AICTE, Research scholars, PG scholars, IT Professionals and R&D Centres.

## Resource Persons

Experienced faculty from renowned Institutions (IITs, NITs, etc.), experts from Industries and Research Labs will deliver lectures and hands-on practice on AI softwares.

## Registration

There is no registration fee for the participants. The participants can register in the link provided in the brochure or website. The selection of participants will be on first come first serve basis.

Certificates will be issued to all participants who successfully complete the 6 days STTP programme with minimum 60% of marks in online quiz.

**No Registration Fee**

## For any query, please contact

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**gkavitha.78@crescent.education**

### Phone

044-22751347, Extn: 234

### Mobile

9941376041

### Registration Link

**<https://tinyurl.com/y3cw9mvr>**