



# NRI INSTITUTE OF TECHNOLOGY

**AUTONOMOUS**

Accredited : NAAC with "A", NBA (CSE, ECE & EEE)

Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada  
Pothavarappadu, Agiripalli Mandalam, Krishna Dt., Andhra Pradesh - 521212

URL : [www.nrigroupofcolleges.ac.in](http://www.nrigroupofcolleges.ac.in), Ph : 0866 2469666, Email : [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



## A ONE WEEK SHORT TERM TRAINING PROGRAMME ON PREDICTIVE ANALYTICS USING ARTIFICIAL INTELLIGENCE (STTP-PAUAD)

**SPONSORED By**



### Announcement Brochure

<b>Schedule</b>	<b>Registration Deadline</b>	<b>Date of Selection Intimation</b>
02-07, November 2020	28-10-2020	30-10-2020
14-19, December 2020	09-12-2020	11-12-2020
04-09, January, 2021	29-12- 2020	31-12-2020
15-19, March, 2021	12-03- 2021	13-03-2021

Registration link : <https://bit.ly/3jMqx1n>

### Program Coordinator

**Dr.K.V.Sambasivarao**

Professor, CSE Department

Cell : 9440115556





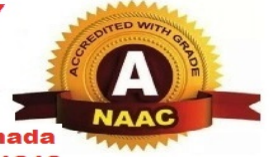
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Email : [kvsrao@nriit.edu.in](mailto:kvsrao@nriit.edu.in)

Co-Coordinator	Single Point of Contact (SPOC)
Dr. D Sunitha Mobile : 9948898799 Email : <a href="mailto:hodcse@nriit.edu.in">hodcse@nriit.edu.in</a>	Sri P Narendra Babu <a href="mailto:naren.pamula@gmail.com">naren.pamula@gmail.com</a> 9032333307, 9074304143

## Eligibility

Faculty working in AICTE approved Institutes and having the zeal to do rigorous research in the field of Predictive Analytics using Artificial Intelligence. 10% of the participants from industry and not more than 2 participants from the host institution are permitted to attend the program.

**Registration Fee** : Free

**Registration link** : <https://bit.ly/3jMqx1n>

**Registration** : Number of registrations are restricted to 50 in each slot and registration is open on first come first serve basis.

Timing of the STTP	10.00 - 12.00 Noon	2.00 - 4.00 PM
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## Objectives

The main objective of the short term training programme is :

- To deal with the foundation concepts and recent trends and advancements in Data mining, Statistics, data analytics,





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machine learning, AI techniques, predictive models using AI tools.

- To provide a common platform for academicians, research scholars and industry participants to develop a sensible knowledge of data analytics, machine learning, and Artificial Intelligence and derive practical solutions leading to predictive analytics.
- To provide hands on sessions using R and Python programming with practical applications.

## Expected Outcome

Towards the end, the participants are expected to gain :

- Sensible knowledge in predictive analytics and Artificial intelligence Techniques.
- Understand how data mining, data sets and machine learning concepts are applied to data analytics and predictive analytics
- Understand how machine learning uses computer algorithms to search for patterns in data sets.
- Learn how to use data patterns to make decisions and predictions with real-world examples
- Learn the recent advancements in data analytics and machine learning for research and development efforts.
- Capable of writing algorithms in Python and R programming to obtain solutions and build models by the end of the session.

## Certification

Joint certificates shall be issued (by AICTE & NRI Institute of Technology, Agiripalli) to those participants who maintain 80% of





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attendance and have scored a minimum of 60% marks in the test, conducted towards the end of the program.

## Tentative Topics to be covered\*

	<b>FN : 10.30 – 12.30</b>	<b>AN : 2.00 – 4.00</b>
<b>Day-1</b>	Introduction of AI, ML, Predictive Analytics and DL, AI vs ML vs DL Applications of AI	Data Mining concepts, Big data analytics and Applications
<b>Day-2</b>	Introduction to Data science, Data Preprocessing, Overview of Python for Data Science	ML Algorithms, Association Rules, Regression, Case studies using python
<b>Day-3</b>	Supervised Learning Algorithms, K-NN, SVM, Decision Trees, Case studies using python	Naïve Bayes, Random Forest classification, Boosting methods, case studies using Python
<b>Day-4</b>	Semi-Supervised Algorithms, Reinforced Learning, Multi-class approaches, Transfer Learning	Introduction to Deep Learning, Case studies using Python
<b>Day-5</b>	Un-supervised Learning Algorithms, K-Means, Clustering, CNN	Demonstration of Un-supervised Learning Algorithms, Case studies with Python
<b>Day-6</b>	Industry Perspective, Chabot, Case studies and Future Directions in AI	Industry Perspective, Case studies and Future Directions in AI

**\* Please check the program schedule**

## Resource Persons





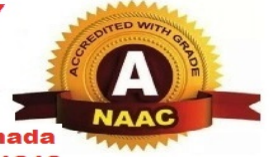
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Resource persons are identified from highly reputed Institutions and Industry across India.

## **Certification**

Joint certificates shall be issued (by AICTE & NRI Institute of Technology, Agiripalli) to those participants who have attended 80% of the sessions and have scored a minimum of 60% marks in the test, conducted towards the end of the program. Seats are allotted purely first come, first serve basis.

**I am herewith enclosing the Brochure of the said program. Kindly register and participate in one of the slots. Also, I request you to circulate in your known circles.**

*Warm Regards*

**Dr K V Sambasivarao**

**Convener & Program Coordinator**

**Department of Computer Sc. & Engineering,**

**NRI Institute of Technology**

**Pothavarappadu, Agiripalli Mandal**

**Krishna Dt, A.P -521212**

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