NRI INSTITUTE OF TECHNOLOGY

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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, Ph : 0866 2469666, Email : principal@nriit.edu.in

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

SPONSORED By

Announcement Brochure

Schedule	Registration Deadline	Date of Selection Intimation
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

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

Program Coordinator

Dr.K.V.Sambasivarao

Professor, CSE Department

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Co-Coordinator	**Dr. D Sunitha** Mobile : 9948898799 Email : hodcse@nriit.edu.in
Single Point of Contact (SPOC)	**Sri P Narendra Babu** 9032333307, 9074304143 Email : naren.pamula@gmail.com

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

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, 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.

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Certification

Joint certificates shall be issued (by AICTE & NRI Institute of Technology, Agiripalli) to those participants who maintain 80% of attendance and have scored a minimum of 60% marks in the test, conducted towards the end of the program.

Tentative Topics to be covered

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

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Resource Persons

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

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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
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