



RNS INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FDP on Data Analytics, IOT, AI& ML

A series of 9-day workshop was organized, which began with Internet of things from 22nd Sept 2021 to 24th Sept 2021, Data analytics using Python from 25th sept, 2021 to 28th sept, 2021 and followed by Artificial Intelligence and Machine Learning from 29th sept, 2021 to 1st Oct, 2021.

The FDP **Internet of things from 22nd Sept 2021 to 24th Sept 2021**, the objective is to cover the concepts of IOT with practical exposure. Topics are covered Raspberry Pi, Sensors in Pi, Applications of IOT , Arduino Platform and IOT Simulator . Received a lot of positive feedback from faculty members of various colleges and universities in India. There were 55 enthusiastic participants in total, who took part in the 3-day online FDP. Each session was of 60 to 120 minutes and included 3 open questions & answer session. Microsoft Teams was the platform used and the session.

The FDP **Data analytics using Python from 25th sept, 2021 to 28th sept, 2021**, is the process of examining the data sets in order to draw conclusions about the information they contain with the aid of specialized systems and software. Topics covered are Python Libraries for Data Science, Data Preprocessing and Wrangling, Web Scraping, Data Visualization, Regression Techniques and Analysis. Received a lot of positive feedback from faculty members of various colleges and universities in India. There were 85 enthusiastic participants in total, who took part in the 3-day online FDP. Each session was of 60 to 90 minutes and included open questions & answer session. Microsoft Teams was the platform used and the session links were shared every morning and feedback link was shared on the third day. The registered participants were engaged in a special WhatsApp group and by email. FDP materials were uploaded to drive and was shared through email. 85 E-certificates were awarded to all registered participants by email

The FDP **Artificial Intelligence and Machine Learning from 29th sept, 2021 to 1st Oct 2021**, is to exploring various Ai & ML algorithms and their use in appropriate applications and building intelligent systems. The program objectives were designed and take away for the participants as the program outcome was listed out. A brochure was designed for the 3-day faculty development program on Artificial Intelligence & Machine Learning and circulated to of various engineering colleges. A total of 55 participant's registration was done through Google form and online payment for the FDP from various colleges. Seven experts were invited as a resource person including both in-house and external speakers for this faculty development program to share their knowledge and experience on this AI&ML topic. The inauguration was scheduled on 29th August 2021 at 9:00 am using Microsoft Teams Online Platform. 55 E-certificates were awarded to all registered participants by email.