

ROORKEE COLLEGE OF ENGINEERING, ROORKEE



Department of Computer Science & Engineering
(Academic Session 2020-21)

Report Two Days FDP

on

“Deep Learning in Advance Technology”

Under the TEQIP-III

(Uttarakhand Technical University, Dehradun)

Held on 16th & 17th March 2020

Dr. Yashveer Singh
(Coordinator)

Mr. Anurag Chandna
(Registrar)

Prof.(Dr.) O P Dubey
(Director)

Objective:-

The Department of Computer science & Engineering, Roorkee College of Engineering, organized a Two Days FDP on “**Deep Learning in Advance Technology**” on 16th & 17th March 2020, at Conference Hall. The purpose of this FDP was to expose the Faculties to the fields of Deep Learning in Advance Technology with hands-on training. The basic and important constituent to establish a strong relationship between diverse fields of science and engineering is advanced research and development of many technologies that make our existence so comfortable. This FDP will cover a wide range of interdisciplinary topics on various aspects of advanced materials, energy and environment. Advancement in the understanding of the phenomena of science and technology is often the forerunner to the stepwise progression of a technology. The FDP will provide a platform for students, academicians and industrialists to exchange the ideas, state of art research and development practices and identify research needs and opportunities in Engineering Field.

The Guest was Prof (Dr.) Narendra S Chaudhari (Vice Chancellor, UTU), Chairman (RCE Roorkee), Secretary (RCE Roorkee) & The Eminent Speakers Dr. was Dr. Mahendra Singh Aswal, Dr. Krishan Kumar, Dr. Suyash Bhardwaj They are working as a Assistant Professor in Gurkul Kangri Vishwavidyala, Haridwar , Uttarakhand. There were 80 (Eighty only) participants attended this FDP.

Inauguration & Felicitation:-

The program was started with lamp lighting ceremony of goddess Sarswati by Dr. Yashveer Singh (FDP Convener), Director, Dean, All Heads of Department & Coordinators. The Guest Felicited by Chairman Sir. This FDP focuses on the engineers in development of affordable technologies and concepts to fulfill the consumer requirements. It is important for the engineers to lookout for research and development opportunities.



Welcome Speech & Overview of Workshop:-

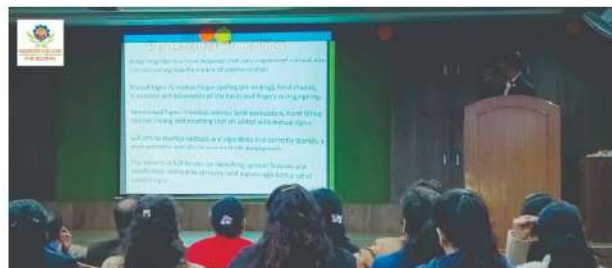


The event started at 9.45 am with a Welcome Speech by **Ms. Sanjana Singh (AP/CSE)** who welcomed the dignitaries on the dais, as well as the faculty members. Prof (Dr.) Narendra S Chaudhari (Vice Chancellor, UTU), Chairman (RCE Roorkee), Secretary (RCE Roorkee), Prof. (Dr.) O.P Dubey (Director – RCE) & The Eminent Speakers Dr. was Dr. Mahendra Singh Aswal, Dr. Krishan Kumar, Dr. Suyash Bhardwaj were seated on the dais.

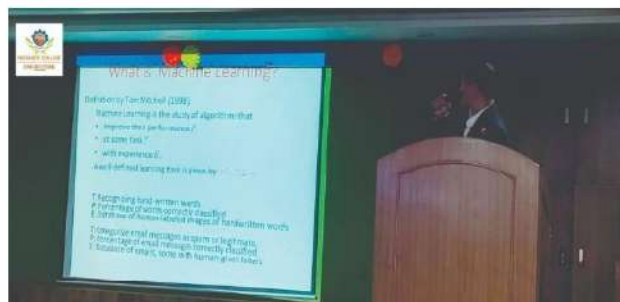
Day 1

A brief introduction about the Speaker was given. Ms. Sanjana Singh (AP/CSE) addressed the participant about the importance of Deep Learning in Advance Technology and advised them to actively participate and gain hands-on training during the Two-days FDP. The Dr. Krishan Kumar set the Workshop rolling at 10.30 am.

The primary objective of this Lecture is to introduce the basic principles, techniques, and applications of Artificial Intelligence.



In the afternoon session, Dr. Mahendra Singh Aswal taught components of a machine learning algorithm, Apply machine learning tools to build and evaluate predictors, How machine learning uses computer algorithms to search for patterns in data, How to uncover hidden themes in large collections of documents using topic modeling & Basic and frequently used algorithmic techniques including sorting, searching, greedy algorithms and dynamic programming.



Day 2

A brief introduction about the Speaker was given. Ms. Sanjana Singh (AP/CSE) addressed the participant about the importance of Deep Learning in Advance Technology and advised them to actively participate and gain hands-on training during the Two-days FDP. The Dr. Suyash Bhardwaj set the Workshop rolling at 10.30 am.

The primary objective of this Lecture is to introduce the basic principles, techniques, and applications of Deep Learning.



The engineers need to cope with the tremendous pressure created by ever changing consumer requirement on the Industry. Engineers need to enhance their creative skills to meet out the challenges being faced by Industry.

In the afternoon session, Dr. Suyash Bhardwaj taught components of a Deep Learning algorithm, Apply Deep Learning algorithm tools to build pattern recognition & Advertising, uses computer algorithms to search for patterns in data.





Certificate Distribution & Vote of Thanks:-

Dr. Yashveer Singh (HOD – CSE) distributed certificates to the participants who participated in the FDP. The FDP concluded at 4.30 pm on 17th March-2020. Dr. Yashveer Singh delivered the Vote of Thanks at the end of the FDP.





Media Coverage:-

शिक्षण पद्धति में करें नई तकनीक का उपयोग : चौधरी



रुड़की : फैकल्टी डेवलपमेंट प्रोग्राम में शामिल अतिथि।

■ **रुड़की।** रुड़की कॉलेज ऑफ इंजीनियरिंग में कम्प्यूटर विज्ञान विभाग द्वारा दो दिवसीय फैकल्टी डेवलपमेंट प्रोग्राम का आयोजन किया गया। जिसका विषय 'डीप लर्निंग इन एडवांस्ड टेक्नोलॉजी' था। इस अवसर पर उत्तराखंड तकनीकी विश्वविद्यालय के कुलपति डा. एनएस चौधरी ने मुख्य वक्ता के रूप में कहा कि कोई भी शिक्षक अपनी शिक्षण पद्धति को नई-नई तकनीक का उपयोग कर उसे और भी सुचारु रूप से विश्वसनीय बना सकता है। कॉलेज के चेयरमैन सीए एसके गुप्ता ने इस अवसर पर कहा कि इस तरह के आयोजन शिक्षकों के कौशल विकास के बहुत ही सहायक होते हैं। आयोजन में गुरुकुल कांगड़ी विश्वविद्यालय के डा. कृष्ण कुमार व डा. महेंद्र सिंह अस्वाल ने एनएन व मशीन लर्निंग पर विस्तृत व्याख्यान दिया। फैकल्टी ऑफ इंजीनियरिंग साइंस, गुरुकुल कांगड़ी विश्व के डा. सुयश भारद्वाज ने प्रतिभागियों को डीप लर्निंग व डीप लर्निंग के उपयोग व बढ़ते हुए साइबर क्राइम से लोगों को अवगत कराया। इस अवसर पर कॉलेज के विभिन्न विभागों के विभागाध्यक्षों, डा. यशवीर सिंह, डा. पशुपतिनाथ, निशा धीमान, अनुराग चंदना, डा. विकास वर्मा, डा. सुभाष कुमार, सुमित चौहान, सौरभ वर्मा डीन शैक्षिक विभाग, आशीष मलिक एग्रीकल्चर विभाग, आशीष त्यागी व अन्य शिक्षक शिष्टकेतर कर्मचारों उपस्थित रहे।