To

HOD (IT)

Submission of Report after Attending the TEQIP Course at IIT Roorkee.

Name of Event:

TEQIP sponsored Course on *"Advancements in Remote Sensing Data Analysis"*

Date and Venue of Event:

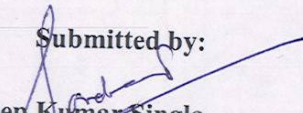17 – 21 June, 2019 at Indian Institute of Technology (IIT), Roorkee

Course Contents:

Basics of Remote Sensing Data Analysis, Supervised and Unsupervised Classification, Accuracy Assessment, Image enhancement, restoration, Image transformations and image fusion, Regression, Machine Learning.

Expected Benefits and how it will be benefited to the college:

The contents of the course were informative, practical oriented and multidisciplinary in nature. The sessions of the course were equipped with a lot of knowledge about the image processing tools and techniques such as classification, clustering, image enhancement and image restoration. Although all the sessions was very explicit and informative, but the session on "Machine Learning" by Dr. Poonam S. Tiwari (Indian Institute of Remote Sensing (IIRS), Dehradun) was fantastic, crisp and insightful. The contents of the "Machine Learning", may be fruitful to our students as well as faculty members as it has the capability of gathering huge and mottled information from the diverse sources in and around the world. Machine Learning has also been introduced as one of the subject of M.Tech (IT) and one of the electives subjects in B.Tech (IT) (2018 study scheme) in our department starting from this session onwards. In addition to this, the machine learning tools to extract the information are really fruitful for the thesis work, project work and different practical oriented subjects in our department.

Submitted by:

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