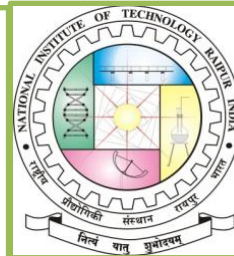


# AICTE Training and Learning (ATAL) Academy Sponsored One Week Faculty Development Program(FDP) on Data Science and its Applications(Course Code: AVDR0156) From 9<sup>th</sup> December to 13<sup>th</sup> December 2019



## Course Objectives:

The FDP on data science and its application is aimed at imparting knowledge and training on the fundamentals of interdisciplinary field of data science with its different aspects and applications. The main objective is to make the participants familiar with emerging field of data science along with the preparation of data for extracting valuable insights from vast amount of heterogeneous data. Expert lectures will be delivered by faculty members from academia. This course may be beneficial to faculty members & research scholars who intend to practice/begin research in the field of processing and analysis of data using advanced techniques such as AI/ML/DL etc.

## Tentative Topics to be Covered (but not limited):

- Introduction to Data Science
- Data pre-processing using Python/R
- Data analysis and regression techniques
- Introduction to machine learning paradigm
- Supervised Learning
- Feature Engineering
- Feature Selection
- Unsupervised Learning
- Dimension Reduction
- Reinforcement Learning/Deep learning
- Applications of Data Science
- Hands on Sessions using MatLab/Python/R

## Organized By:

Department of Computer Science & Engineering, National Institute of Technology Raipur (An Institute of National Importance)G.E. Road, Raipur-492010, Chhattisgarh, India

## Important Dates & Registration Information:

- ❖ Last date of Registration on or before 10-11-2019.
- ❖ Confirmation of participation to selected participants only on or before 15-11-2019 through E-mail only.
- ❖ FDP is Scheduled from 09-12-2019 to 13-12-2019.
- ❖ Registration mode : online through the link provided on institute website [www.nitr.ac.in](http://www.nitr.ac.in) OR
- ❖ ATAL Academy website (Course Code:AVDR0156) <https://www.aicte-india.org/sites/default/files/ATAL/registration/>

## Other Important Information for participants:

- ❖ This FDP is only for faculty members & research scholars (Ph.D. & PG) of AICTE approved technical institutions.
- ❖ Course Registration free for all participants.
- ❖ Working lunch and tea during sessions will be provided to the participants.
- ❖ No TA/DA will be paid to any participant.
- ❖ Seats are limited (only 50) and the participants are selected by organizers on the basis of availability of accommodation/ first come first serve basis.
- ❖ Only limited shared accommodation (paid) in hostels may be provided to selected outsider participants on request and subject to availability.
- ❖ Otherwise, Participants will have to make their own stay arrangement during the FDP.
- ❖ On completion of the course an objective/quiz based assessment of all participants will done and certificates will be awarded to successful participants by respective ATAL Academy.

## Contact persons(Coordinators):

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- ❖ Dr. Pradeep Singh (Email : [psingh.cs@nitrr.ac.in](mailto:psingh.cs@nitrr.ac.in), Mob: 9407627366)