

The National Institute of Technical Teachers Training and Research (NITTR) Chennai was established as an autonomous Institute by the Ministry of Human Resource Development, Government of India in the year 1964 to improve the quality of Technical Education and Training (TET) system in India and in the Southern Region in particular. Within this mandate, the Institute takes initiatives to offer need based Human Resource Development programmes through appropriate modes and develop curricula and instructional resources. It also fosters research in the inter disciplinary area of Engineering Education and offers consultancy and extension services for the total development of Engineering Colleges, Polytechnic Colleges, Vocational Institutions, Industry, Service Sector and the Community at large.

In carrying out the above mandate, the Institute collaborates with national and international Institutes, Universities and other agencies interested in and / or deriving benefits from technical education and training.



CONTACT US

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Sr. System Analyst & Head i/c., CEMT
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CENTRE FOR EDUCATIONAL MEDIA AND TECHNOLOGY

Centre for Educational Media and Technology of NITTR Chennai is involved in developing video programs for clientele system which include Polytechnics / Engineering Colleges & Govt. Organizations.

The Centre has undertaken the Learning Materials Development Project in which it has produced number of lecture-based, field oriented video films based on the curricular requirements of Technical Education.

ETV studio of this centre is fully equipped with various state-of-the-art software and hardware facilities for producing quality video programs. The educational films developed are being telecasted through Gyandarshan, an educational channel sponsored by MHRD Govt. of India. Centre is also involved in developing video content for SWAYAM MOOC courses.

The Centre conducts Overseas Training Course on "Educational Media Production for E-Learning" for the benefit of Overseas Teachers and Media Professionals. The Centre is involved in offering short-term training programmes for Polytechnic and Engineering college teachers in various topics in the areas of Educational Technology, Instructional Media, E-content Development, Technology Enabled Teaching and Learning, E-Learning, Open Educational Resources, Educational Video Production, Script Writing, Learning Analytics and Multimedia Technologies.

26th - 30th Dec 2017

SHORT TERM COURSE ON
ANALYTICS WITH R

Organized by

Centre for Educational Media
& Technology



National Institute of Technical
Teachers Training & Research

(Ministry of HRD, Govt. of India)
Taramani, Chennai - 600113, India

www.nittrc.ac.in

RATIONALE

In Internet of Things (IoT) era when the data is in abundance, the challenge lies in finding the meaningful pattern in the data and its interpretation for future decision making. Predictive Analytics has been useful in various industries, education and society. Data Scientist and Analysts use R for problems ranging from quantitative finance and computational biology to market research and behavioural studies. R, a programming language is most popular data language used for statistical computing and data science. Hence, developing competencies in Analytics with R as become dispensable in the Data age for Researchers, Scientists and Academicians.

OBJECTIVES

On completion of the Course, one should be able to

- Understand the role and use of R with respect to data analysis and visualization.
- Understand R environment, packaging system, data structures.
- Apply R for data acquisition, cleaning exploratory and statistical analysis.
- Interpret and draw conclusions from outcomes of the analysis.

COURSE CONTENT

- Installing R
- R console
- Packages and libraries
- Workspace in R
- Data structures, types
- Data frames
- Graphical analysis
- Special graphs
- Multiple plots
- Frequencies
- One sample t test
- Test of hypothesis
- One-way ANOVA
- Relationship between variables
- Time series analysis

INSTRUCTIONAL STRATEGY

Blended approach of 35 hrs of classroom training and 90 days of access for online self paced coursework facilitated by *Predictive Analytics Solutions, Bangalore.*

REGISTRATION FEE DETAILS

Full-time Faculty/Student in Recognized Educational Institution: ₹ 7,500/-
Industrial Professional and Others: ₹ 9,000/-

- Accommodation charges-Hostel (on twin-sharing basis non a/c room) ₹ 400/- day/person.
- Registration fee includes course materials and working lunch (vegetarian only).
- Other boarding and lodging charges will have to be borne by the participants.
- Registration fee in the form of demand draft to be drawn in favour of **Director, NITTR, Chennai** Payable at Chennai / NEFT Details: Indian Overseas Bank, Thiruvanimiyur, IFSC Code: IOBA0000418, Current A/C-CD-1/041802000000001
- The application form in the standard format is to be sent to the Course Coordinator.
- Confirmation will be sent to all registered candidates by E-mail / Telephone.
- Wifi facility is available in the campus.
- Participation certificate will be issued to all participants completing the course.

SEATS

Only 35 seats are available. Registration will be on first come first serve basis.

Register on or before **December 15, 2017**

COURSE PATRON

Prof. Dr. SUDHINDRA NATH PANDA
Director, NITTR, Taramani, Chennai - 113

COURSE COORDINATOR

Dr. P. Malliga
Sr. System Analyst & Head i/c, NITTR, Chennai

SHORT TERM COURSE ON ANALYTICS WITH R

Name (in Block Letters):

Designation and Address:

Academic Qualification:

Communication Details:



Accommodation on Payment Basis:

Yes

No

D.D / NEFT Details:

D.D.No: Issuing Branch: Amount:

Date: Signature of the Applicant: