



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

REPORT ON DATA SCIENCE FOR ALL (HANDS-ON)



ESTD: 2004
MRCET CAMPUS
**MALLA REDDY COLLEGE
OF ENGINEERING & TECHNOLOGY**
(AUTONOMOUS INSTITUTION - UGC, GOVT. OF INDIA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COORDINALLY INVITE YOU FOR THE INAUGURAL
SESSION OF

TWO WEEKS ONLINE FACULTY DEVELOPMENT PROGRAMME

on

DATA SCIENCE FOR ALL

22ND MARCH, 2022- 1ST APRIL, 2022

IN ASSOCIATION WITH NIT PATNA

DATE: 22-03-2022

TIME: 9:30 AM

VENUE: CSE SEMINAR HALL

HEAD OF THE DEPARTMENT
DR. S SHANTHI

PRINCIPAL
DR. S. SRINIVASA RAO

PROCTOR COORDINATORS

MR. A SALEEM
Assistant.Prof. CSE



DR. THOTA SIVA RATNA SAI
Assistant. Prof. CSE





MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Faculty Development Program through Jointly Planned Winter Courses-2022

On

Data Science For All (HANDS-ON)

From 22nd March, 2022 to 1st April, 2022

Under the banner of Electronics and ICT Academy, NIT Patna and In association with

Under the

"Scheme of financial assistance for setting up of Electronics and ICT Academies" of the Ministry of Electronics and Information Technology (MeitY), Government of India

Venue:

Malla Reddy College of Engineering and Technology, Secunderabad, Telangana State



FDP Brochure

Two week's Online Faculty Development Program through jointly planned winter courses-2022 on "Data Science for All (Hands-On)" was organized by Computer Science and Engineering Department from 22nd March – 1st April 2022 Under the banner of Electronics and ICT Academy, NIT Patna. The Inauguration of the FDP took place in CSE Seminar hall. We are proud to announce that the FDP experienced an overwhelming response from faculty and aspiring researchers across several universities. A total of 181 participants registered for the event from various states. During this event, eminent experts from Industry and academia guided the participants on various aspects of Data Science. Also, the queries of the participants were well addressed by the speakers.

During this two weeks program, there were 22 sessions followed by participant's feedback and 3Quiz's/ Assignments. The participants' feedback claims that participants found this FDP quite beneficial. Many participants also requested to arrange similar FDPs in the future. An e-certificate was also issued to the participants who successfully completed the program.

The FDP was full of hands-on sessions along with conceptual knowledge about the contents.

The key contents of the program are

- **Mathematical foundation of data sciences:** Matrices, Vectors, Vector spaces, decomposition, Statistical Measures, Probability Basics, Variance, Conditional probability, Markov Chains.
- **Data Processing:** Dimensionality Reduction, Principal Component Analysis.
- **Machine Learning Basics:** Regression, Classification- Decision Trees, Navie B Large DataSets:MapReduce
- **Deep Learning**
- **Programming in R and Python for Data Science**
- **Scikit, Keras and Tensorflow:** Practice on ML topics

Schedule for Online FDP on "Data Science for ALL"

March 22 – April 01, 2022

(Organized Jointly by all the E&ICT Academies)

Participating Academies: All the academies and their remote centers if any. Academies at

NIT Warangal, IIITDM Jabalpur, IIT Kanpur will organize lectures and demos through Cisco WebEx.

Academies are requested to send soft copy of names, email ids of participants registered with them.

Dates in 2022		Session-1: 4.00 PM-6.00 PM	Session-2: 6.15 PM – 8.15 PM	Tests (9.30 PM-10.00 PM)
22-March	Tue	Python for Data Science Part1- AK	Statistical Foundations Part 1 - VR	
23-March	Wed	Python for Data Science Part2- AG	Statistical Foundations Part 2– VR	
24-March	Thu	Holiday		
25-March	Fri	Introduction to Data Science - AG	Graphical Analysis - DVS	Quiz/Assignment Test-1
26-March	Sat	Statistical Foundations Part 3– VR	Data Wrangling – PRK	
27-March	Sun	Data Pre-processing – AK	Linear Model Subset Selection, Cross Validation Techniques – DVS	
28-March	Mon	R Programming Part 1 – TRK	Classification –1:LR - AG	Quiz/Assignment Test -2
29-March	Tue	R Programming Part 2–TRK	Classification -2: Decision Trees-RBS	
30-March	Wed	Clustering - AG	Deep Learning Part 1– MAK	
31-March	Thu	Text Processing - AG	Deep Learning Part 2 – MAK	Quiz/Assignment Test -3
01-April	Fri	Classification-3: Other Methods-RBS	Map Reduce - RBS	

Respective academies will conduct Assignment tests to the participants enrolled with them and Evaluate.

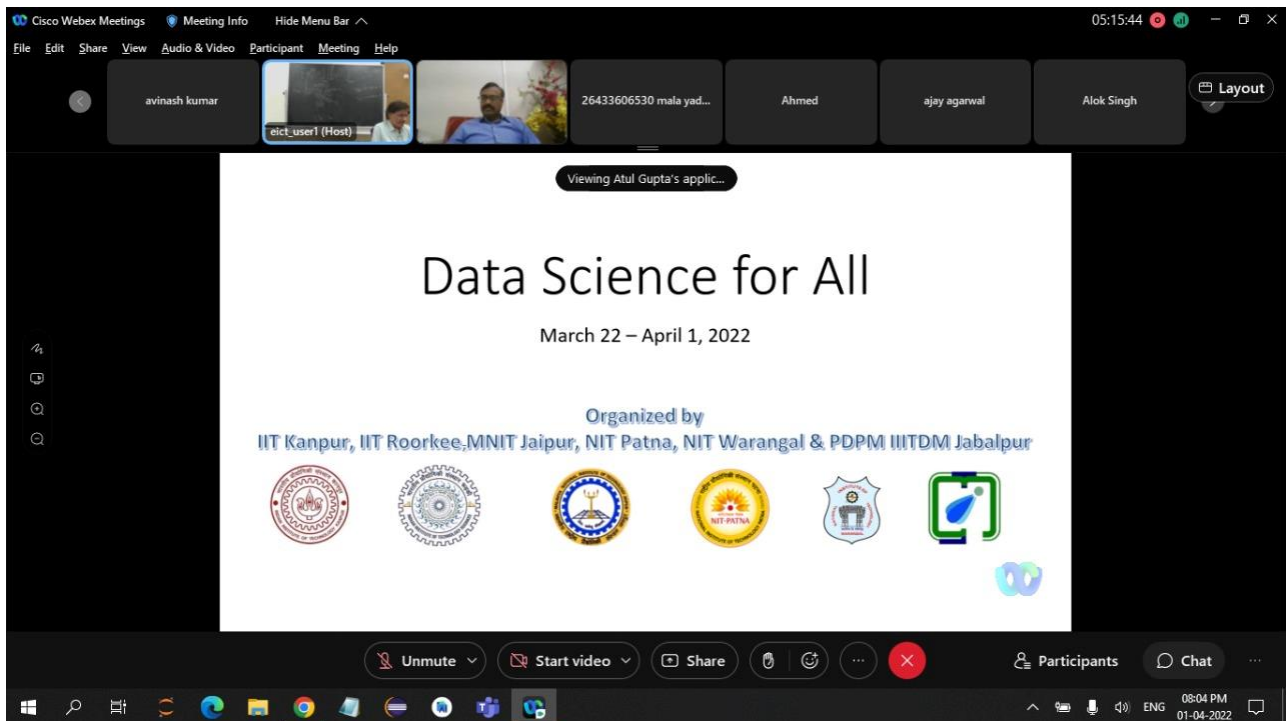
e- Certificates will be sent on 15 April 2022 through email after Assignment Tests Evaluation by respective academies

(Resource Persons are requested to set relevant assignment test questions and send the same with keys

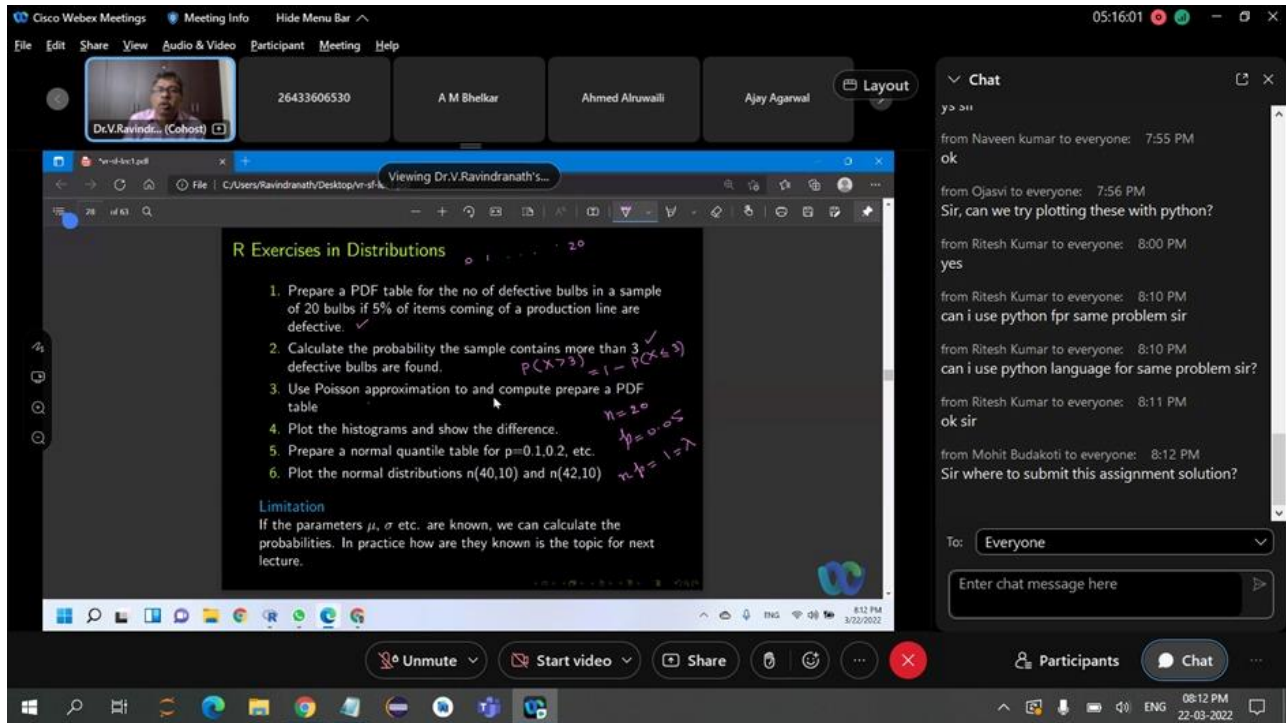
Photos Gallery



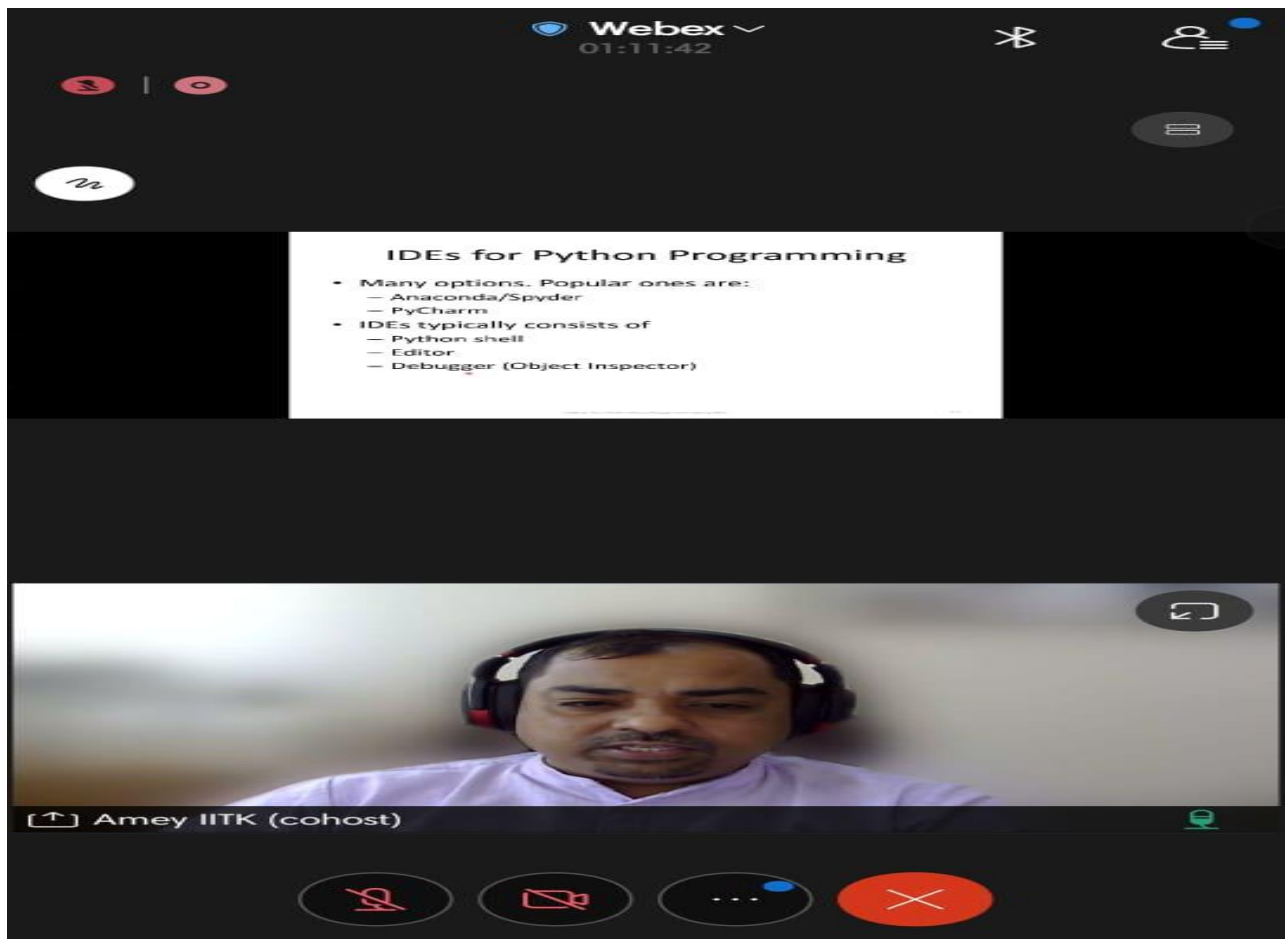
Inauguration of the FDP in CSE Seminar hall



FDP on Data Science for All through online mode



Online FDP Sessions



Online FDP Sessions