



FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
Big Data Analytics: Fundamentals and Applications to
Engineering Fields

(23rd August -2nd September 2021)

Organized by

E & ICT Academy, NIT Warangal

in association with

Srinivasa Ramanujan Institute of Technology, Anantapuramu, A.P.

(Autonomous)

(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)



Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

This Faculty Development Programme (FDP) is devoted to addressing the need to enhance the knowledge about the latest technologies pertaining to **"Big Data Analytics: Fundamentals and Applications to Engineering Fields"** is being conducted at Srinivasa Ramanujan Institute of Technology, Anantapuramu. The whole course is handled by academicians and industry experts.

Participants need to pay the Registration Fee Online using the following details.

Online Transfer Details

Account Name: Electronics & ICT Academy NITW

Account No: 62423775910

IFSC: SBIN0020149

How to apply:

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/ReBGyyXijzswJ2wX8>

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 100 (Hundred). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date for submission of Application	20/08/2021
Selection List by E- mail	21/08/2021
Duration	23/08/2021 to 02/09/2021

About NIT Warangal:

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech, and Ph.D programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About SRIT

Srinivasa Ramanujan Institute of Technology, Anantapuramu, A.P was established during 2008-09 by Smt. Aluru Narayanamma Educational Society headed by Sri. A. Sambasiva Reddy, Correspondent & Secretary. Recognized under sections 2(f) & 12(B) of UGC act 1956, Accredited by NAAC with 'A' Grade. Three B.Tech Programmes of the Institute EEE, ECE & CSE are accredited by NBA, New Delhi. The institute has got autonomous from Year 2019-20 up-to Year 2028-29. To become a premier Educational Institution in India offering the best technical training inputs to our students and making them complete individuals with great human touch, ethical values and service motive.

Major Course Contents:

1. Introduction to Big Data Analytics
 - o Big Data Analytics Life Cycle
 - o Big Data Technologies
2. Overview of Hadoop
 - Map Reduce Programming
 - Data and Models Visualization
3. NoSQL Databases
 - Applications
4. SPARK
 - Spark Features
 - Spark Components
 - Real time Analytics
 - Applications
5. Big Data Analytics
 - Unstructured Data Processing
 - Structured Data
 - Case studies

Faculty conducting this programme:

The programme will be conducted by the faculty member from NIT Warangal. Academicians from IITs are invited to deliver lectures in the programme.

Eligibility:

The program is open to the Faculty of Engineering Colleges and other allied disciplines in India. Industry personnel working in the concerned /allied discipline can also attend.

Registration Fee Particulars:

Faculty and Research Scholars	Rs.750/-
Industry Participants	Rs.2250/-



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SPONSORSHIP CERTIFICATE

1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No. :
6. Reference No: Bank: Date:

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **"Big Data Analytics: Fundamentals and Applications to Engineering Fields"**, sponsored by Electronics & ICT Academy during 23rd August-2nd September 2021 at SRIT, Anantapuramu.

Amount:

Signature of Head of Institution
(with seal)

7. Address for Correspondence:

Interested faculty members, please fill the following

Google form:

<https://forms.gle/ReBGyyXijzswJ2wX8>

Address for correspondence

Dr. M. L. Ravi Chandra,
Dept. of ECE,
Srinivasa Ramanujan Institute of Technology,
Ananthapuramu, Andhra Pradesh
Ph. No: 9505002567
Email: ecehod@srit.ac.in

8. Educational Qualification:
9. Subjects taught so far:
10. No. of refresher courses/workshops attended:
11. Experience (in years):
Teaching: Research: Industry:
12. Do you belong to SC/ST : YES / NO

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

For more details about Electronics & ICT Academy, NIT, Warangal, please visit:
<https://nitw.ac.in/eict>

For more enquiries please contact:
Dr. T. Ramakrishnu
Mobile: 9014165993 /9505430463
Landline: 040-23146050

Signature of the Applicant

Coordinator

Dr. T. Ramakrishnu

Assistant Professor
Dept. of Computer Science & Engineering
NIT Warangal – 506004

Email: trk@nitw.ac.in

Dr. M.L. Ravichandra

Professor & HOD
Dept. of ECE
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