



**AICTE – ISTE Sponsored One Week (Six Days) Online
Induction/Refresher Programme – 2021-22**

On

**Medical Data Analytics with Python
04.01.2022 to 10.01.2022**

Organized

By

Department of Computer Science and Engineering

&

Department of Computer Applications

Co-ordinators

Dr.C.Akila

Mrs.Vinolia Anandan



**Anna University Regional Campus- Tirunelveli
(AURCT)**

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Anna University, Chennai

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About AICTE ISTE

All India Council for Technical Education (AICTE) is the national level apex body which promotes the ideas of excellence in teaching learning process, to regularize the norms and procedure for technical institution for providing better education in the nation.

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System.

AICTE and ISTE jointly sponsoring for Induction / Refresher programme to help the faculties for updating knowledge and improving organizational and pedagogical skills, to familiarize with modern engineering practices with latest technological advances adopted by industry.

Important Dates

Submission of Application 27.12.2021

Intimation of Selection 29.12.2021

Confirmation by Participants 01.01.2022

ANNA UNIVERSITY

Anna University was established as a unitary type of university during the year 1978. Anna University is proud to have 4 old campuses CEG, ACT, SAP and MIT of unitary type. Being a pioneer in Engineering & Technology and Allied Sciences, to spearhead the academic activities throughout the state, it has four Regional Campuses at Coimbatore, Madurai, Tiruchirappalli and Tirunelveli.

About AURCT - Tirunelveli

Anna University Regional Campus - Tirunelveli has 7 departments and it offers 8 PG degree programmes and 4 UG degree programmes. Our College has proficient and well trained faculty in all disciplines. Periodical lectures by visiting Professors, Scientists and Educational Administrators are arranged to furnish the knowledge of students and staff in their corresponding fields of education.

About CSE Department

The Computer Science and Engineering department offers B.E. in Computer Science and Engineering and Ph.d programmes (in both FT & PT modes). The Department is blessed with a band of twelve dedicated faculty members who are entrusted with the great task of molding the young minds and carrying out research in the various areas. The Department is equipped with two labs to cater to the needs of the students.

About MCA Department

The Department of Computer Applications is offering MCA degree programme from the year 2008. The department of Mater of Computer Application offers 2-year M.C.A. degree programme equipped with excellent infrastructure facility.

Both the departments, the faculty members are working in different areas of research like Data Mining, Big Data, Cloud Computing, Grid Computing, Digital Image Processing, IoT, Wireless sensor networks and so on.

About the Course

- To impart the knowledge on the basics of Data Analytics with mathematical foundations and basics of Medical Data Analytics.
- To provide hands on session in Python about Medical data analytics tools
- To explore the concepts of Data Visualization, Medical image supporting libraries, machine learning techniques for implementing the medical data analytics
- To provide knowledge on various Medical data formats and its analytics in the aspect of research perspective

Tentative Topics

- ✓ Fundamentals of Image Processing and Medical Image Processing
- ✓ Fundamentals on Data Analytics Tools
- ✓ Introduction to Medical Data Analytics
- ✓ Data Sources: Electronic Health Record (HER), Image, Sensor and Signal & its analytics
- ✓ Predictive and Temporal Medical data modeling
- ✓ Visual Analytics for Medical Data
- ✓ Data Wrangling and Data Visualisation (Plot and interpret data using various data visualisation tools)
- ✓ Medical Image Modalities
- ✓ Introduction to Medical Image Supporting Libraries
- ✓ Image Segmentation and Classification in Medical Images
- ✓ Hands on Training

Speakers

Eminent Experts from IIT, NIT & reputed institutions and industry will share their expertise.

Eligibility Criteria

- Faculty Members from AICTE approved institutions affiliated to Anna University are eligible to attend.
- Preference will be given to ISTE members
- Priority will be given to Assistant Professors and Associate Professors
- The number of participants will be restricted to 100 numbers and will be selected on First Come First Serve basis.
- Minimum 5 days attendance along with passing the evaluation test is required for the issue of certificates
- Participants are requested to fill the registration form through the given google form link.
- No registration fee.

Registration Form

(to be submitted in Google form)

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Scan to Register



<https://forms.gle/unC4GCm9MuKZuncT8>

Contact

Dr.C.AKILA, 9095054353

Mrs.VINOLIA ANANDAN, 9487475495

Email : aurctrefresher2022@gmail.com

Mode: Online Mode (Microsoft Teams)