Highlights

- Introduction to Data Analytics
- Computational Modeling of COVID 19 outbreaks using SIR Model
- Machine and Deep Learning, LSTM
- Natural Language Computing
- IOT, BigData
- Biometric Security
  - Fingerprint, Iris and Face Biometrics
    - Cancelable Biometrics
    - Attacks on Biometric System
    - Masterprint
- BlockChain
- Hands on Training session on NLP, Block Chain and so on

Important Dates:

- Last Date of receipt of Application: 05-03-2021
- Date of selection intimation: 07-03-2021

Eligibility

This course is open to faculty members of AICTE approved Engineering colleges with Computer Science/ Electronics/ IT/ Electrical/ MCA courses. Teachers of various Government, Aided and Self financing Engineering Colleges are eligible to attend the course.

Contact:

Course Co-ordinator:
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Registration fee

A nominal fee of Rs 500/- will be charged for all the participants from the AICTE approved Self Financing Engineering colleges. There is no course fee for Govt/Aided Engineering colleges.

Registration

01-03-2021 to 05-03-2021

Registration link
http://admissions.dtekerala.gov.in/tpms/homeOA
**About the College**

Rajiv Gandhi Institute of Technology (RIT), named after late Prime Minister Shri. Rajiv Gandhi started functioning in the year 1991. The college is affiliated to the APJ Abdul Kalam Technological University, owned and managed by the Government of Kerala. It has a highly qualified and dedicated faculty. The college is situated at Nedumkuzhy, 15 Km from Kottayam railway station through NH 220(K.K road). The college is offering 6 under graduate courses and 5 P.G courses in various branches of engineering.

**About the Department**

The computer Science and Engineering Department was established in 1999, and now has become a full-fledged department with advanced laboratory facilities to train the students to meet the current needs of the fast-changing industrial scenario. The Department provides excellent environment for training in computer hardware and software. With ever increasing demand for software and hardware professionals in IT fields, the course provides ample opportunities for employment in India and abroad. The department offers four year B.Tech course, two year M.Tech course in Computer Science & Engineering and PhD.

**About the Course**

Data Science is an orchestrated fusion of Computer Science, Mathematics and Statistics, under which data Analytics forms & predominant subset. Analytics is done to discover abstract data patterns which could be used to forecast future behaviors or understand the working model of systems such as the stock market, e-commerce, economy and finance, biological systems and energy systems to name a few. Huge volumes of data are available from various source like emails, social media, text documents, videos, audio, and images. Tremendous volume and speed of generation, and high dimensionality adds to the complexity of data driven techniques and calls for fast and intuitive research, to store, process, verify and analyse data. Extraction of useful insights from data, is one of the most relevant necessities of the decade.

Besides several fascinating Data Analytics Real Life Applications, COVID-19 Data Analytics using COVID-19 data to fight & contain the pandemic with advanced analytics is critical to protect public health & save numerous lives. Biometric Security is another emerging technologies which provides the highest level of security. Biometric technologies like fingerprint, iris and face recognition are also gaining popularity in small devices like smartphones and smartwatches where authentication are made more reliable and handy. Furthermore, many apps already use biometric based authentication for payments. Similar to other technologies, biometric technologies are vulnerable to different type of attacks. These are mainly intended to circumvent the security provided by the system.

This workshop will enable the participants to gain an understanding and insight into Natural Language Computing, IOT, BigData, Block Chain and Biometric Security. The participants will also be introduced to various research issues and challenges in Data Analytics and Biometric Security.

**Registration link**

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