REGISTRATION FORM

Name:_____

Designation:_____

Department:_____

College:_____

Mobile: _____

Email: _____

Address for communication:_____

_____

_____

DECLARATION

The information furnished in registration form is true to the best of my knowledge. I agree to abide by the rules and regulations governing by the course. If selected, I shall attend the course for entire duration, I also undertake the responsibility to inform the coordinator sufficiently in advance, in case I am unable to attend the course.

Place: *Date:*

Signature of   *Signature of*
Faculty   *Head of the Institution*

Chief Patrons:

Sri. Praveen D Reddy,
Chairman, CBES
Sri. J. Pratap Reddy,
Secretary, CBES

Patrons:

Prof. G. ChandraMohan Reddy,
Principal, MGIT
Dr. K. Sudhakar Reddy,
Vice Principal & HoD MEC, MGIT

Organizing Committee:

Dr. CRK Reddy,
HoD CSE, MGIT,
Ms. Gousiya Begum,
Assistant Professor, CSE, MGIT
Ms. K. Shirisha,
Assistant Professor, CSE, MGIT

Contact :

7842098730, 9866785488

REGISTRATION
NO REGISTRATION FEE

Registration Link:

https://forms.gle/sLbGNBFgpiwHxp4TA

Last date for Registration: 19th June, 2024.

THREE DAYS NATIONAL LEVEL
FACULTY DEVELOPMENT PROGRAMME
(OFFLINE MODE)
ON

BIG DATA
ANALYTICS

20th, 21st & 22nd JUNE, 2024

Organized by
DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY
(Autonomous)

Gandipet, Hyderabad – 500 075
Telangana, India.

ABOUT INSTITUTION

Mahatma Gandhi Institute of Technology is one of the premier Engineering Colleges in the self-financing category inthe state of Telangana. MGIT is affiliated to Jawaharlal Nehru Technological University, Hyderabad. The institute has recently received accreditation for 3 years for all 8 BTech Programs from National Board of Accreditation, New Delhi. The institute is also accredited by NAAC with an 'A++' grade. Mahatma Gandhi Institute of Technology (MGIT) was established by the Chaitanya Bharathi Educational Society (CBES) in a serene and tranquil atmosphere at Gandipet, Hyderabad and has grown rapidly since its inception in 1997. The lush green campus of MGIT is spread over 30 acres of pleasant landscape with a constructed area of 2,50,787 sq ft. In a recent development, MGIT is honoured to be conferred with the autonomous status by University Grants Commission (UGC), New Delhi. The college offers courses in 11 Undergraduate Programs (Computer Science, Information Technology, Electrical & Electronics, Electronics & Communication, Mechatronics', Metallurgical & Materials Engineering, Civil Engineering and Mechanical Engineering, Computer Science and Business System, Computer Science and Engineering (Artificial Intelligence and Machine Learning) and Computer Scienceand Engineering (Data Science).

ABOUT CSE DEPARTMENT

The Department of CSE started its journey of UG program B.Tech (CSE) in the year 1999 with an intake of 60 and PG program M.Tech (CNIS) in the year 2010 initially with an intake of 18. At present the department has expanded to 180 students with UG program B.Tech(CSE). Currently the department runs PG program M.Tech (Artificial Intelligence) from the year 2020 with an intake of 18. The department is packed with scholars who are ready to take the art of programming to the next level.

With a total of 28 doctoral scholars at different stages of their research endeavor, the intellectual ambience in this department is a reconducive to the overall development of students and the discipline of computer science and engineering as a whole. The department has received Autonomous Status in 2021, recognized as R & D centre in 2022 and accredited by NBA 5 times starting from 2009.

ABOUT FDP

The primary objectives of this Faculty Development Program are as follows:
• To ensure faculty members are trained in the important area of big data analytics platforms such as Hadoop, PIG, HIVE and its use in analytics.
• To impart the knowledge of advances in research, different tools, and real time applications of big data
• Enable Participants to effectively integrate Big Data topics into their curriculum, enhancing the educational experience for students
• Empower participants to design and deliver practical workshops and projects that demonstrate the application of Big Data in real-world scenarios.

RESOURCE PERSONS

➤ **P. Ram Mohan Rao,**
Associate Professor,
SpoorthyEngineering College,
Hyderabad.

➤ **CH. Shiva Krishna Chary,**
Assistant Professor, MGIT,
Hyderabad.

TOPICS TO BE COVERED

➤ Introduction to Big Data, Four V's of Big Data, Introduction to Big Data Analytics, Big Data Analytics applications.
➤ Big Data Technologies: Hadoop's Parallel World, Data discovery, Open source technology for Big Data Analytics, Cloud and Big Data, Predictive Analytics, Mobile Business Intelligence and Big Data
➤ Introduction to Hadoop: Apache Hadoop & Hadoop Eco System, Understanding inputs and outputs of MapReduce, Data Serialization.
➤ Hadoop Architecture: RDBMS Vs Hadoop, Hadoop Overview, Hadoop distributors, HDFS, HDFS Architecture, Hadoop Configuration, Map Reduce Framework, Role of HBase in Big Data processing, HIVE, PIG.
➤ Data Analytics with R Machine Learning: Supervised Learning, Unsupervised Learning, Collaborative Filtering, Social Media Analytics, Mobile Analytics, Big Data Analytics with BigR.
➤ Big Data Analytics using Cassandra

EXPECTED OUTCOMES

➤ Understand the foundations, definitions, and challenges of Big Data and various Analytical tools.
➤ Demonstrate programs using HADOOP and Map reduce, NOSQL
➤ Understand the importance of Big Data in Social Media and Mining.
➤ Use Excel as an Analytical tool and visualization tool.
➤ Perform data analytics using ML in R.
➤ Use Cassandra to perform social media analytics.