

## IMPORTANT DATES

<b>Last date to register</b>	<b>29.07.2022</b>
<b>Acceptance Notification</b>	<b>30.07.2022</b>

## REGISTER YOUR DETAILS

<https://forms.gle/BZi72YGPn6qiVyY17>

## REGISTRATION FEE

Faculty Members / Research Scholars / Engineers from Industry:- Rs.700/-(Including GST)

**Payment Link:** <https://vitchennaievents.com>

## RESOURCE PERSONS

1. Dr.J.Arul Valan, Assistant Professor,NIT-Nagaland
2. Dr.M.Janaki Meena, Professor,VIT-Chennai
3. Dr.Ramesh Ragala, Associate Professor, VIT-Chennai
4. Dr.S.A.Sajidha, Associate Professor, VIT-Chennai
5. Mr.Kushal Sharma, Indeed Inspiring Infotech, Pune
6. Dr.B.Prabavathy, Associate Professor, SSNCE-Chennai
7. Dr.P.Mercy Rajaselvi, Assistant Professor, VIT-Chennai
8. Dr.C.U.Omkumar, Assistant Professor,VIT-Chennai
9. Dr.R.Krithiga, Assistant Professor,VIT-Chennai

## ADDRESS FOR COMMUNICATION

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## ABOUT THE FDP

In today's fast-paced digital world, the incredible amount of data being generated every minute has grown tremendously. This amount of large data with different velocities and varieties is termed big data and its analytics enables professionals to convert extensive data through statistical and quantitative analysis into powerful insights that can drive efficient decisions. This FDP provides an in-depth understanding of terminologies and the core concepts behind Big data problems, applications, systems and the techniques that underlie Big data Analytics. It provides an introduction to some of the most common frameworks such as Apache Spark, Hadoop, MapReduce, Large scale data storage technologies such as HIVE, HBase and Big Data Streaming. It also focuses on various applications of Big Data Analytics using ML/DL, Graph Processing and recent research in Transformers for Text Analytics. The FDP is suitable for all Faculty Members, Research Scholars and Practicing Engineers/Scientists from diverse fields and interested in learning about the novel cutting-edge techniques and applications of Big Data.

## SESSION TOPICS

- Introduction to Big Data Analytics
- Graph Analytics for Big Data
- Hands on : Deep Learning using Python
- Hands on : HADOOP and Map Reduce Programming
- Hands on : HIVE and HBase
- Data Streaming
- Analytics through Tableau
- Distributed Applications on Apache SPARK
- Transformers for Text Analytics

## WHO CAN PARTICIPATE

Academic Professionals, Research Scholars, Big Data Professionals and Engineers from Industries and R&D organizations - Interested in sharing their thoughts and learning from Experts.



**VIT**<sup>®</sup>  
Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

# Faculty Development Programme on "Big Data Analytics - Research Perspectives and Tools" (virtual mode)

**01.08.2022 to 05.08.2022**

## Coordinators

**Dr. P. Mercy Rajaselvi**

**Dr. R. M. Bhavadharini**

## Organized by

**School of Computer Science & Engineering  
VIT Chennai**



**VIT - A place to learn; A chance to grow**

## ABOUT VIT

VIT has made a mark in the field of higher education in India by providing quality education on par with institutions of international standards, through its 36 years of existence in a crosscultural ambience with extensive application oriented research. VIT was founded in 1984 by Dr. G. Viswanathan, a former parliamentarian and Minister in the Tamil Nadu Government, as a self-financing institution called Vellore Engineering College. Since then, the institution has grown from strength to strength. Conferred as Deemed to be a university in 2001 by MHRD, VIT Currently offers UG, PG, and Research programmes on its four campuses at Vellore, Chennai, Bhopal, and Amaravati. VIT Chennai is a globally engaged, competitive, comprehensive, and research-enriched university campus strategically positioned in the capital city of Tamil Nadu, to respond to major industrial, social, economic, and environmental demands and challenges. VIT Chennai is ably spearheaded by the Vice Presidents Mr. Sankar Viswanathan, Mr. G. V. Selvam, Dr. Sekar Viswanathan, and Ms. Kadhambari S. Viswanathan, Assistant Vice President, Dr. Rambabu Kodali, Vice Chancellor and Dr. V. S. Kanchana Bhaaskaran, Pro-Vice Chancellor of VIT Chennai.

### The Focus of the University is

- To maximize the Industrial connectivity
- To create Centre of Excellence in contemporary areas of research
- To enrich Technological and Managerial Human Capital nurtured in a multicultural ambience

- To provide a common platform for the agglomeration of ideas of personnel from various walks of life for learning enrichment
- To create opportunities and exploit the available resources to benefit industry / society
- To encourage participation in the National Agenda of knowledge building
- To foster international collaborations for mutual benefits in areas of research

## ABOUT SCOPE

The School of Computer Science and Engineering was established in 2010 at VIT. The School of Computer Science and Engineering (SCOPE) at Vellore Institute of Technology was established for imparting state-of-the-art education, training and research in the field of Computer Science and allied areas.

### UG, PG and Ph.D. Programmes offered:

- B.Tech. Computer Science & Engineering (4 years)
- B.Tech. Computer Science and Engineering with Specialization in Artificial Intelligence and Machine Learning
- B.Tech. Computer Science and Engineering with Specialization in Cyber Physical Systems
- B.Tech. Computer Science and Engineering with Specialization in Artificial Intelligence and Robotics
- M.Tech. Software Engineering (a 5-Year Integrated Programme)
- M.Tech. Computer Science and Engineering with Specialization in Business Analytics (a 5-year integrated programme)

- M.Tech. Computer Science and Engineering with Specialisation in Artificial Intelligence and Machine Learning (in collaboration with C-DAC, Pune)
- M.Tech. Computer Science and Engineering with Specialisation in CyberPhysical Systems (in collaboration with C-DAC, Pune)
- M.Tech. Computer Science and Engineering (2 years)
- M.Tech. CSE with Specialisation in Big Data Analytics (2 years)
- Master of Computer Applications(2 years)
- Ph.D. Programme in the domain of Computer Science and Engineering.

## VISION & MISSION OF SCOPE

### Vision

- To be a world-renowned centre of education, research and service in computing and allied domains

### Mission

- To offer computing education programs with the goal that the students become technically competent and develop lifelong learning skills.
- To undertake path-breaking research that creates new computing technologies and solutions for industry and society at large
- To foster vibrant outreach programs for industry, research organizations, academia and society