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Sri. N. Subash, President, CBIT

## Patron:

Prof. C.V. Narasimhulu, Principal, CBIT

## Convener:

Prof. Rajanikanth Aluvalu, HoD, IT Department

## Coordinators:

Dr. M. Venu Gopalachari, Professor

Dr. S. Rakesh, Assistant Professor

Ms. P. Kiranmaie, Assistant Professor

## Advisory Committee:

Prof. P. Ravinder Reddy, Director & Head of R&E Hub

Prof. Suresh Pabboju, Director – AEC & CoE

Prof. M. Sushanth Babu, Director – Academics

Prof. N. Trivikrama Rao, Director-IQAC

Prof. P. V. R. Ravindra Reddy, Director – Students Affairs & Progression

Prof. A. D.Sarma, Director – Research & Development

Prof. Umakanta Chaudhury, Director – Innovation & Incubation

Dr. N. L. N. Reddy, Director – Career Development Cell

## Organizing Committee:

Prof. K. Ramakrishna, Head- CHNMS, CBIT

Dr. T. Satyanarayana Murthy, Associate Professor, IT

Dr. N. Sudhakar Yadav, Associate Professor, IT

Mr. D. Jayaram, Assistant Professor, IT

Dr. K. Sugamy, Assistant Professor, IT

Dr. A. Sirisha, Assistant Professor, IT

Mr. Rajesh Kannan, Assistant Professor, IT

Ms. T. Madhuri, Assistant Professor, IT

## Intended Participants:

Faculty/Industry Personnel/Ph.D. scholars/PG students

## Registration Link:

URL: <https://forms.gle/6z9Xy5hQXewGmC419>

## Registration Fee:

Registration fee is Rs. **200/-** per participant

## Address for Communication:

Dr. S. Rakesh

Email ID: [srakesh\\_it@cbit.ac.in](mailto:srakesh_it@cbit.ac.in)

Mobile No. 9951397356

## Registration QR Code:



# National Level One week Faculty Development Programme (Online)

on

# DEEP LEARNING SOLUTIONS IN HEALTH CARE

19<sup>th</sup> – 23<sup>rd</sup>, February 2024



## Organized by Department of Information Technology

In Association with



&



CBIT Student Chapter

## CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

(An Autonomous Institute | Affiliated to Osmania University)

Kokapet Village, Gandipet Mandal, Hyderabad –500075, Telangana.

E-mail: [principal@cbit.ac.in](mailto:principal@cbit.ac.in), Website: [www.cbit.ac.in](http://www.cbit.ac.in)



## About the College

Chaitanya Bharathi Institute of Technology is one of the premier Engineering Colleges in the self-financing category in the state of Telangana established in the year 1979. The college offers Nine UG and Eleven PG programs. It has been standing as a temple of knowledge for the past 45 years by producing more than 25,000 eminent and skillful graduate engineers, who are successful in their careers, serving all over the globe. The Institute has been accredited by NAAC – UGC with 'A++' Grade and various programs are accredited by NBA – AICTE. The institution has been UGC autonomous since 2013-14. Stringent academic standards, industry compliant teaching methodology, research projects from private and public sector organizations and consultancy practice enabled the Institute to establish its identity in Technical Education and is ranked as one of the best amongst the private engineering colleges.

## About the Department

The Department of Information Technology started with the BE (IT) Programme in the academic year 2000-01 with an intake of 60. The intake increased to 120 w.e.f 2015-16, and 180 w.e.f. 2018-2019. The UnderGraduate program has been accredited thrice by National Board of Accreditation (NBA) in 2008, 2012, 2017 and 2022. The mission of the Department is to impart state-of-the-art value based education in the field of Information Technology. The department has 17 Ph.D. faculty. The strong academic programs, based on theoretical and practical knowledge, match well with the requirements and demands of the industry. The process of teaching learning adopted by our faculty, imparts knowledge, behavior and skills that develops learning range in students. Our students have been placed in top MNCs through campus recruitments and are excelling in their professional career.

Apart from the curriculum, opportunities are provided to students by means of internships to obtain hands-on experience in an industrial working environment. Interactive sessions are conducted with industry experts to provide professional guidance for our students. Our faculty are actively involved in research and publishing in international and national journals, presenting papers at international and national conferences.



## About the Programme:

Deep learning plays an increasingly important role in the field of medical health and has a broad prospect of application. The applications of deep learning in medical image, electronic health record, genomics, and drug development are studied, where the suggestion is that deep learning has an obvious advantage in making full use of biomedical data and improving medical health level. However, the problems and challenges of deep learning in computational medical health still exist, including insufficient data, interpretability, data privacy, and heterogeneity. Analysis and discussion on these problems provide a reference to improve the application of deep learning in medical health.

## Objectives of FDP:

The objective of this program is

- ▶ To offer participants with a deep understanding of the evolution, concepts, and advanced methodologies in deep learning.
- ▶ To offer an invaluable opportunity for participants to expand their horizons and contribute to the cutting-edge advancements in healthcare and deep learning.
- ▶ To provide hands-on experience with deep learning techniques focusing on healthcare applications.

The participants will also have a wider perspective to security and privacy issues in healthcare applications.

## Outcomes of FDP:

After the completion of the FDP the participants will

- ▶ Develop the necessary technical skills to implement and deploy deep learning solutions in healthcare.
- ▶ Understand the recent trends relevant to medical image analysis, diagnostics, and treatment planning.
- ▶ Develop a deeper understanding of the unique security and privacy challenges associated with healthcare applications.

## Resource Persons:

Dr. C. Ramalingaswami, CSE Department, NIT Warangal  
Dr. K. Ilaiyah, CSE Department, NIT Warangal  
Dr. E. Damodar Reddy, Head, CSE Department, NIT-Goa  
Dr D. Chandra Mohan, IIIT, Tirupathi  
Dr. A. Rajnikanth, Professor & Head, IT Department, CBIT  
Dr. DLS Reddy, Assoc. Professor, AI&DS Department, CBIT  
Dr. S. Rakesh, Asst. Professor, IT Department, CBIT  
Ms. P. Kiranmaie, Asst. Professor, IT Department, CBIT  
and Industry Personnel...

## Timings & Schedule:

The Detailed Schedule will be sent to the Registered Participants.

**80%** Attendance is mandatory for receiving FDP Participation E-Certificate.

» All sessions are conducted through online mode using CISCO Webex «