

## PATRONS

Dr. G. Viswanathan,	Chancellor
Dr. Sekar Viswanathan,	Vice President
Dr. Sandhya Pentareddy	Executive Director
Dr. Anand A Samuel,	Vice Chancellor
Dr. S. Narayanan,	Pro-Vice Chancellor

## REGISTRATION DETAILS

Participants are requested to register by filling the google online form before the deadline / filling in the accompanying slip and sending the same to the Organizing coordinators. The registration fee (non-refundable) is as follows:

- For Students Rs.1200/-
- Faculty members and Research Scholars Rs.1400/
- Industry Persons Rs.1600/-
- Mode of payment: DD drawn in favour of "VIT" – payable at Vellore along with the registration form.

Interested participants can register through google form in the following link

<https://goo.gl/forms/AhppVPatcF8oc0o32>

## ACCOMMODATION

Accommodation (including food) will be provided in the college hostel for the participants based on their request at extra cost.

## IMPORTANT DATES

Last date for receipt of application: 01/05/2019

Workshop Dates : May 6<sup>th</sup> to 10<sup>th</sup>, 2019

## ABOUT WORKSHOP

In recent era, the learning of integrated Engineering and Medical fields are rapidly growing in the world. The workshop will expose a wide variety of the medical imaging in healthcare applications, medical image representation, Mental Health Services for Children with Learning Disorders, Diagnosing mental health at an earlier stage among the common population, Mental Health Challenges, medical image classification, Smart Health Care, machine learning architecture (i.e., neural networks architecture, activation functions, types of neural networks) and machine learning techniques. Further, it gives the knowledge of therapeutic and diagnostic products that will design and development for clinical psychology by the machine learning techniques to improve the quality of life. Additionally, this workshop will discuss theoretical and practical issues of machine learning in clinical psychology and suggest future research directions. Practical sessions of this workshop will provide valuable insights and serve as a starting point for researchers to apply machine learning approaches on

## RESOURCE PERSONS

Eminent Speakers from NIMHANS, CMC, IMH, DRDO, IIT, NIT, Anna University, Industrial Experts and VIT will impart their expertise with hands on training.

## TARGET PARTICIPANTS

Faculty members working in Medical, Engineering and Paramedical Institutions, Research scholars, Students and Industry Persons from relevant background of Medical, Science and Engineering.



# VIT<sup>®</sup>

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)



Department of Health Research  
(DHR)

Indian Council of Medical Research  
(ICMR)

Sponsored



Five Day National Level Workshop

on

**Machine Learning Approaches on  
Medical Imaging for Clinical  
Psychology and Health Care  
Applications**

**6<sup>th</sup> May - 10<sup>th</sup> May 2019**

Organized by

School of Computer Science  
& Engineering (SCOPE)

Vellore Institute of Technology, Vellore.

Dr. R. Saravanan

Dean, SCOPE

Organizing Secretary

Dr. K. Rajakumar

Coordinators

Dr. S. Rajkumar

Dr. Jetson Satya Gospel

VIT – In the Top 500 of the QS World University Ranking by Subject in 3 subjects: CS&IS, EEE and Chemistry

## ABOUT VIT

VIT is one of the fastest growing institutions, and is emerging as a center of excellence in technical education. VIT is structured around nine schools of study. A student is registered in one of the schools, depending on the degree/programme he/she is interested in pursuing. Research centers are also part of the schools, encouraging interdepartmental collaboration and opportunity for students to participate in exciting research projects. VIT offers 18 Undergraduate and 35 Postgraduate programmes, apart from research programmes leading to M.Phil and Ph.D degrees. It has over 20,000 students, about 1000+ faculty members and about 1000+ administrative and supporting staff. The international linkages of the institute help the students to get global exposure. The VIT campus, spread over 350 acres is located at Vellore, a district headquarters town between Chennai and Bangalore. The strategic location of VIT adds value to the education enabling constant interaction with the industry and research organizations. VIT has been ranked as No.1 Private Engineering Institution in India by the Ministry of Human Resource Development, Government of India (NIRF-2018 ranking). VIT is the first educational institution in India to get ISO9002 certification by the DNV of The Netherlands. The University was recently reaccredited for the third cycle by NAAC (UGC). VIT has signed Memorandum of Understanding with many institutions within India and abroad including Australia, Canada, France, Germany, UK and USA.

## ABOUT SCOPE

History of computing discipline at VIT dates back to 1993, when the Department of Computer Science and Engineering was established to meet the demand for well-qualified computer professionals. Subsequently, the Departments of computer Applications and Information Technology were established. The School of Computing

Science and Engineering was conceived in the year 2004-05 and came into existence by consolidating the achievements and core strengths of the aforesaid departments. Later, it was bifurcated into two schools, SCSE and SITE in the year 2009. The School offers research programmes such as Ph.D M.Tech(By research) and M.Tech (CSE), M.Tech (Big-Data), B.Tech (CSE), B.Tech (Information Security), B.Tech (Bio-informatics) Engineering, B.Sc. programmes which have been accredited by Institution of Engineering & Technology, UK (IET) during the year 2004-05. The B.Tech (CSE) and other courses are accredited by the Engineering Accreditation Commission of ABET (www.abet.org). The school has some of the best infrastructure including domain-specific laboratories associated with the technical divisions. Many of these labs are sponsored by industry leaders like IBM, Intel, Cisco, Sun Microsystems, and Microsoft. The School has a good record of organizing seminars, workshops, symposia and conferences in emerging technological areas.

## CONTACT DETAILS

### 1. Dr. K. Rajakumar

Contact No: 9894079434

Email: [rajakumar.krishnan@vit.ac.in](mailto:rajakumar.krishnan@vit.ac.in)

### 2. Prof. S. Rajkumar

Contact No: 9840058628

Email: [rajkumars@vit.ac.in](mailto:rajkumars@vit.ac.in)

### 3. Dr. Jetson Satya Gospel

Contact No: 9444724377

Email: [gospel.js@vit.ac.in](mailto:gospel.js@vit.ac.in)

## REGISTRATION FORM

DHR-ICMR sponsored Five Days National  
Level Workshop on  
**Machine Learning Approaches on Medical  
Imaging for Clinical Psychology and Health  
Care Applications**

6<sup>th</sup> May - 10<sup>th</sup> May 2019

Name: \_\_\_\_\_

Industry  Faculty  Student

Name of the Institution/Organization: \_\_\_\_\_

E-Mail : \_\_\_\_\_

Mobile : \_\_\_\_\_

Address : \_\_\_\_\_

Is accommodation required? Yes/No

### Registration fee payment details:

DD No : \_\_\_\_\_

Amount(Rs) : \_\_\_\_\_

Bank : \_\_\_\_\_

Date : \_\_\_\_\_

### Declaration

I hereby declare that the details furnished are true to my knowledge and I agree to abide by the rules and regulations governing the conduct of the national level workshop.

Place:

Date:

Signature