National Workshop on Machine Learning Techniques for Smart Applications

28-29 Sep 2018

REGISTRATION FORM

Name :

Designation :

Institution/Organization :

Address for Communication :

Email :

Mobile No   :

Accommodation required :   Yes / No

Registration Fee Details :

Mode of Payment :

Amount :

Cheque No./DD.No:

Bank   :

Branch   :

Date   :

DECLARATION

The information provided by me is true to the best of my knowledge. If selected, I agree to abide the rules and regulations of the workshop and attend the workshop for the entire duration.

Date:

Place: Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr./Ms./Dr. _____ is a research scholar/faculty/employee of our Institute/ Organization and is hereby sponsored to attend the two days National workshop on "Machine Learning Techniques for Smart Applications" organized by the Department of Information Technology, Annamalai University during 28-29 Sep 2018.

Signature & Seal of the
Head of the Organization

ELIGIBILITY

The workshop is open to faculty members, undergraduate, postgraduate and research students from engineering / science courses.

REGISTRATION

The participants are requested to register themselves by sending the duly filled in application form through proper channel, along with the registration fee in the form of Demand Draft drawn in favour of "The Registrar, Annamalai University", payable at ICICI / Indian Bank, Annamalai Nagar. The Registration fee is

> Rs. 500   for Research Scholars and Students
> Rs. 1000 for Faculty Members and
> Rs. 2000 for Industrial participants.

As the intake is limited to 30 participants and the selection is based on 'first come first serve' basis, we urge you to apply well in advance. The deadline for receiving the duly filled in registration form is 20-09-2018. The selected participants will be informed through email.

ACCOMMODATION

Selected out station participants will be provided accommodation at the University hostels / guest houses on payment basis as per the University tariff. Working Lunch, Tea and Snacks will be provided during the programme.

CONNECTIVITY

Annamalai University is located near Chidambaram Town which is well connected by Road and Rail. It is 200 km south of Chennai, 70 km south of Pondicherry and 150 km north of Tiruchirappalli.

ADDRESS FOR COMMUNICATION

Dr. J. Sasikala
Department of Information Technology
Faculty of Engineering and Technology
Annamalai University
Annamalai Nagar – 608 002
Email: sasikala.au@gmail.com
Mobile no. : +91 99444 81791

ANNAMALAI UNIVERSITY
(Accredited with 'A' Grade by NAAC)

National Workshop on Machine Learning Techniques for Smart Applications

September 28-29, 2018

Coordinators

Dr. V. SRINIVASAN
Professor & Head

Dr. J. SASIKALA
Assistant Professor

Mr. J. MANIMARAN
Assistant Professor

**Department of Information Technology
Faculty of Engineering and Technology
Annamalai University
Annamalai Nagar – 608 002
Tamilnadu**

website : annamalaiuniversity.ac.in

ABOUT THE UNIVERSITY

In the early 1920s, to serve the downtrodden and to promote Tamil Literature, Rajah Sir S. R. M. Annamalai Chettiar founded Sri Minakshi College, Sri Minakshi Tamil College and Sri Minakshi Sanskrit College in a rural setup at Chidambaram. In 1928, Rajah Sir S. R. M. Annamalai Chettiar agreed with the local Government to handover the above said institution for establishing a University. Thus, on 01.01.1929 Annamalai University was established as per Annamalai University Act 1928 (Tamil Nadu Act 1 of 1929).

Annamalai University Act 2013

The most significant development is the enactment of the Annamalai University Act, 2013 (Tamil Nadu Act 20 of 2013), which has come into force from September 25, 2013, after obtaining the assent of His Excellency, the President of India.

Accolades

Annamalai University, accredited with 'A' Grade by **NAAC** in 2014, is one of India's largest public residential universities with 10 Faculties and 49 departments of study. Sprawling over 950 Acres of land, the University does yeoman service in taking education to the doorsteps of the people who are otherwise far from access to centres of higher learning. The University has initiated several innovative teaching programmes over the years and has been a pioneer in distance education.

"The **Times Higher Education World University Ranking - 2018**" has ranked Annamalai University in 801 - 1000 for Overall category and 401 - 500 for Life Sciences category.

"The **CWTS Leiden Ranking 2017**", on scientific impact of universities and on universities' involvement in scientific collaboration & scientific performance, has ranked the University at 14th based on the number of publications and 3rd based on the proportion of publications that, compared with other publications in the same field and in the same year, belong to the top 10% most frequently cited.

"The CII", in its Report based on "Indian Citation Index" Database has ranked Annamalai University second among the Top 50 State Universities in Research Productivity: Ranking based on Articles, Citations and Citations/Paper.

"The Nielsen - India Today Ranking" (2017) has ranked Annamalai University 11th among the top 30 Universities in India.

"The SCImago Institutional Ranking" (2016) has ranked 4th in Tamil Nadu and 20th among the top 100 institutions for Higher Education in India. International Comparative Performance of India's Research Base (2009-14), a report published by Elsevier in April, 2016, prepared in collaboration with the Department of Science and Technology, Ministry of Science, Government of India has rated the University as the top Indian Institute in Pharmacology, 17th among the top 30 Indian Universities in Publications with highest subject area Publication Count in Pharmacology.

As far as the Global Exposure, Indian Science Ascending, a Springer Nature report, done in conjunction with Confederation of Indian Industries, has ranked the University as 11th among the top 20 Indian Institutions in International Collaborations.

The University has participated in the Southern (Antarctic) Ocean Expeditions (SOE) organized by National Centre for Antarctic Ocean Research 2011 - 12 onwards.

Research & Partnership

Annamalai University has a commendable track record in projects and publications and has been awarded the PURSE Programme by the Department of Science and Technology. Nineteen departments are supported by UGC-SAP, Sixteen by DST-FIST and two departments have attained the status of Centre of Advanced Study. Annamalai University has joint research and innovation partnerships with 24 institutions across the USA, Europe, Australia, Japan, and the UK. The list of partners includes prestigious institutes like Karolinska Institute, John Hopkins University, and University of Michigan amongst others.

Two of the most notable international collaborations in which Annamalai University is the Co-ordinating Institute include the Indo- EU FUNCFOOD Project and the 21st Century Indo-US Knowledge Initiative. There are several ongoing research projects with international foundations and industrial players like Bayer, CavinKare, Dow Agrosciences, Bill & Melinda Gates Foundation, HCL, L&T, Accenture, and Huawei.

MoUs & Patents

To its credit, The University has obtained 15 Patents and has 40 MoUs with research partners like FAO, IRRI & USDA.

Institutional Social Responsibility Activities

The ISR activities of the University include, Hospital on Wheels, Free Medical and Dental Camps in Villages, Lifestyle & Hygiene Awareness, Rural & Urban Health Centres through the Faculty of Medicine and Dentistry which is attached with a 1400 bedded hospital. The Faculty of Agriculture carries out extension activities like Agripreneurship Development Programme, Sustainable Livelihood Projects for Tsunami affected people and Training Farmers in Integrated Farming.

ABOUT THE DEPARTMENT

The Bachelor of Engineering in Information Technology course was started by the Department of Computer Science and Engineering in 1999. The Department of Information Technology has been bifurcated from the Department of Computer Science and Engineering in May 2017. The main objective of the department is to impart quality and career – oriented engineering education in order to produce bright technologists. The department currently offers Doctor of Philosophy (PhD), Masters in Information Technology (M.E) and Bachelors in Information Technology (B.E). The department is equipped with excellent laboratory, facilities with state-of-the-art equipment. The department has 17 well experienced faculty members and they are actively involved in the research and development activities in the field of speech, Image and video processing. Big data analytics, Networking, Data mining etc, which often results in highly acclaimed publications in International and National Journals.

ABOUT THE WORKSHOP

Machine learning deals with designing programs that has the capability to learn without being explicitly programmed. It is a branch of Artificial Intelligence in which, then concepts/ patterns/ hypotheses are learnt from data by using heuristic based algorithms. To support the proliferation of automation and smart devices that use machine learning, it is necessary to improve the state-of-the-art technologies in machine learning to achieve more accurate predictions. The dynamic growth of e-business models has led to huge data generation and the global threat for environment has also lead to the need for developing intelligent computing models for analytics.

TOPICS OUTLINE

- Recent ML trends in Industrial revolution
- Large scale data analysis
- Intelligent Object Recognition
- ANN to Deep learning
- Hands-on sessions: Data Analytics using R Studio
- Feature optimization techniques

RESOURCE PERSONS

1. **Dr. Deepak Mishra, Ph.D.**
   Associate Professor
   Department of Avionics
   Indian Institute of Space Science and Technology
   Trivandrum
   Kerala

2. **Dr. V. Rajasekar, Ph.D., MISTE**
   Professor
   Department of Computer Science and Engineering
   AMC college of Engineering
   Bangalore
   Karnataka

3. **Dr. S. Venkatapathy, Ph.D.**
   CTO
   Eduseva Technologies
   Coimbatore
   Tamilnadu

4. **Dr. V. Shanmuganeethi**
   Assistant professor,
   Department. of Computer Science and Engineering
   National Institute of Technical Teachers Training and Research (NITTTR)
   Chennai
   Tamilnadu

5. **Dr. D. Jude Hemanth, Ph.D.**
   Associate Professor
   Department of Electronics and Communication Engineering
   Karunya Institute of Technology and Sciences
   Coimbatore
   Tamilnadu