

# ANNAMALAI UNIVERSITY

(Accredited with 'A' grade by NAAC)

**DEPARTMENT OF COMPUTER AND INFORMATION SCIENCE**

Faculty of Science

**IQAC ENABLED & DST PURSE II  
SPONSORED**

*Two Day National Virtual Workshop  
on*

**BIG DATA ANALYTICS IN CLOUD COMPUTING  
USING PYTHON PROGRAMMING**

**(NVW - BACCPP'21)**

**9<sup>th</sup> & 10<sup>th</sup> July, 2021**

## **Participants**

University & College Teachers  
Research Scholars & PG Students  
**E-Certificate on Participation**

**No Registration Fees**

**Registration Link**

**CLICK HERE**



zoom

*Organized By*

**Department of Computer and Information Science**

Faculty of Science  
Annamalai University  
Annamalainagar - 608 002  
Tamil Nadu, India

## About the University

In the early 1920s, Rajah Sir S. R. M. Annamalai Chettiar founded Sri Minakshi College, Sri Minakshi Tamil College and Sri Minakshi Sanskrit College 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). One of the most significant developments is the enactment of the Annamalai University Act, 2013 (Tamil Nadu Act 20 of 2013), which has come into force from September 25, 2013. Annamalai University is accredited with 'A' Grade by NAAC in 2014. "The NIRF-2020" by the Ministry of Human Resource Development (MHRD) has ranked the University in the band 101 - 150 in the overall category as well as the University Category. In the Pharmacy Category the ranking is 12<sup>th</sup> in India. In the Medical Category the ranking is 35<sup>th</sup>. "The Times Higher Education World University Ranking - 2021" has ranked Annamalai University in 1000+ for Overall category. In the Subject Category Ranking, 2021, the University is ranked 601+ for Clinical & Health Subjects, in the band of 801-1000 for Engineering, 801+ for Life Sciences and 1000+ in the Physical Sciences Subjects. "The QS World University Ranking - 2021" has ranked Annamalai University in the band of 301 - 350 in Asia Ranking, and 39 in India Ranking. "The CWTS Leiden Ranking 2019", on scientific impact of universities and on universities' involvement in scientific collaboration & scientific performance, has ranked the University at 23<sup>rd</sup> based on the number of publications and 7<sup>th</sup> 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. Among the top 212 ranked institutions for Higher Education in India the "SCImago Institutional Ranking (2019)" has ranked Annamalai University as 9<sup>th</sup> in Tamil Nadu and 29<sup>th</sup> in India. Annamalai University is one of the largest unitary, teaching, and residential Universities in Southern Asia comprising of 10 Faculties and 49 departments of study. This University has played a pivotal role in providing access to higher education to thousands of youth cutting across the social spectrum, especially from economically and socially disadvantaged classes. In this respect, this University's service to the nation is tremendous.

## About the Department

The Department of Computer and Information Science was established in the year 2015 and functions under the Faculty of Science. The Department offers postgraduate and doctoral programmes. It currently imparts teaching, training and cutting-edge computing technologies to the students and scholars enabling them to keep abreast with focus in day-to-day scientific and technical advances.

The Department inspires the students and scholars to involve themselves in innovative projects, in-plant training, internships, workshops, special lectures and quality research in various interrelated domains. The students are prepared with multi-skill sets encompassing all the requirements to make them employable. The final year and pre-final year graduates are trained with special lectures, soft-skill training and group discussion. The students from the Department get into the various IT industries through campus placements. The Department enjoys support from its alumni.



## Milestones

The Department of Computer and Information Science is at the forefront of nurturing software engineers with a high degree of technical expertise. It fosters the innovation and breadth of vision necessary to excel in the blooming software industry. The curriculum has been designed keeping in view the need of a close interaction with the industry. The experienced faculty members expose budding computer experts to a rigorous and exhaustive curriculum to bring out the best in them and to keep abreast with the state-of-the-art technology. Besides disseminating theoretical knowledge, the emphasis is on imparting skills through hands on training and inculcating overall personality development of each individual. Equal importance is given to the classroom learning which is meant primarily for conceptual inputs.

## Vision

- ❖ To be a nationwide recognized Department that produces versatile computer experts, capable of adapting to the changing needs of computer and related industry.

## Mission

- ❖ To impart quality technical education with skills, knowledge and attitude to succeed in Computer Science careers.
- ❖ To provide knowledge of emerging trends in computer and related industry and foster environment of lifelong learning.
- ❖ To develop graduates who investigate research, design and find workable solutions to complex problems with awareness and concern for society and environment.

## Research

❖ Ph.D. (Awarded)	57
❖ Ph.D. (Ongoing)	138
❖ M.Phil. (Awarded)	24
❖ M.Phil. (Ongoing)	01



## PROGRAMMES OFFERED

- ❖ Ph. D. (Computer Science)
- ❖ Ph. D. (Computer Applications)
- ❖ M. Phil. (Computer Science)
- ❖ M. Phil. (Computer Applications)
- ❖ Master of Computer Applications
- ❖ M.Sc. (Computer Science)
- ❖ M.Sc. (Data Science)
- ❖ M.Sc. (Information Technology - Integrated)
- ❖ M.Sc. (Software Engineering - Integrated)

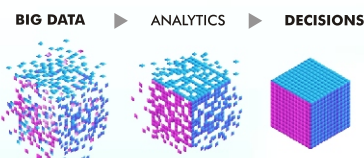
## About the workshop

Today the Big Data Analytics is one of the hottest topics in Computer Science. Recently, many researchers are doing analysis in the data regarding Covid-19 for finding the optimal solutions to the problem. Many tools are used for Big Data analytics. Among them, Python is one of the topmost languages. It has tons of data-centric packages which makes the process of Big Data analytics quick and convenient. So the workshop is designed to the following objectives.

### Objectives:

#### To give training on

- ❖ Essential skills in decision science using Python
- ❖ Using Python's data science libraries as a tool for Big Data analytics
- ❖ Handling Big Data in Cloud environment
- ❖ Managing both structured and unstructured data in Python
- ❖ Applying different predictive models and machine learning algorithms into use cases in different areas
- ❖ Using graphics tools such as matplotlib, plotly, seaborn, and ggplot into data visualization



### Expected outcome:

Become a true data scientist & machine learning expert with full industrial knowledge

# **ORGANIZING COMMITTEE**



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**VICE-CHANCELLOR CONVENER COMMITTEE**

Patron

**Dr. R. GNANDEVAN**

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Dean, Faculty of Science



Workshop Director

**Dr. K. SEETHARAMAN**

Professor & Head  
Dept. of Comp. & Info. Science



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**Dr. N. PUVIARASAN**

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Assistant Professor / Programmer, Department of Computer and Information Science

## **Resource Persons**



**Dr. M. Senthil Kumar**

Professor



**Dr. B. Malar**

Associate Professor



**Dr. M. Dominic Savio**

Assistant Professor  
(Selection Grade)

**Department of Applied Mathematics and Computational Sciences**

PSG College of Technology  
Coimbatore