



St Berchmans College

Founded 1929

AUTONOMOUS | College with Potential for Excellence | A+ in the Fifth Cycle of Reaccreditation by NAAC

Changanassery, Kerala, India 686101 | Affiliated to Mahatma Gandhi University, Kottayam



Department of Computer Science
St Berchmans College | Powering Generations

in association with the
**College Development Council,
Mahatma Gandhi University**



National Workshop (FDP) Exploring Machine Learning and Deep Learning



2024
DECEMBER

3 – 7



**Centenary
Memorial
Computer Lab**



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)



**Kerala Startup Mission
INNOVATION AND
ENTREPRENEURSHIP
DEVELOPMENT CENTRE**

Dear Sir/Madam,

The Department of Computer Science in association with the College Development Council, Mahatma Gandhi University is organizing a five-day National Workshop (FDP) on Exploring Machine Learning and Deep Learning from 3rd to 7th December 2024. You are cordially invited.

with best regards,

Fr. Reji P Kurian
Principal

Dr. Antony Mathews
HOD

Ms. Divya Pradeep Kumar
Convener

Ms. Smitha Joseph
Co-Convener

Our Legacy and Vision

St. Berchmans College, founded in 1922 by Venerable Mar Thomas Kurialacherry, is the first higher education institution of the Archdiocese of Changanacherry.

Established with a mission to foster excellence and service among students, the college is recognized under sections 2(f) and 12(B) of the UGC Act, 1956. With a stellar record of accreditations, including a 'Five Star' rating in 1999 and 'A' grade reaccreditations in 2006, 2012, and 2017, the college achieved 'A+' reaccreditation in 2023. Notably, it gained autonomy in 2014, received the R Shankar Award for Best College in Kerala in 1996 and 1997, and was identified as a "College with Potential for Excellence" by UGC in 2004.

The college was granted minority status in 2010 and has consistently ranked among India's top 100 colleges by NIRF since 2018, supported by DST's FIST program.

Department Highlights

The Department of Computer Science at St. Berchmans College, established in 1992, stands as a beacon of innovation and excellence in the dynamic world of advanced computing and technology. Offering both undergraduate and postgraduate programs, the department seamlessly blends academic rigor with cutting-edge knowledge, empowering students to thrive in a rapidly evolving digital landscape. Through a commitment to fostering critical thinking, creativity, and a passion for research, we provide an intellectually stimulating environment where future leaders in technology are nurtured. Driven by a pursuit of excellence, we remain dedicated to shaping minds that will define tomorrow's technological frontiers.

Workshop Overview

The National Workshop on Exploring Machine Learning and Deep Learning aims to provide a hands-on introduction to ML and DL, covering fundamental concepts and recent advancements. Participants will learn essential tools and frameworks such as Python, Numpy, Pandas, TensorFlow, and Keras. The workshop will cover topics from data preprocessing and model evaluation to advanced techniques like CNNs, transfer learning, RNNs, and GANs.

It will emphasize practical coding exercises and explore applications in areas like image processing and NLP. The workshop fosters collaboration among students, researchers, and professionals, encouraging innovation in ML and DL.

Advisory Committee

Dr. Tony Thomas (Digital University, Kerala)

Dr. Shailesh Sivan (CUSAT, Kochi)

Dr. Reji R. (Carmel College Of Engineering & Technology, Alappuzha)

Dr. Divya Sindhu Lekha (IIIT, Kottayam)

Resource Persons



Dr. Vinu E. Venugopal

International Institute of Information Technology, Bangalore



Dr. Shailesh Sivan

Cochin University of Science and Technology, Kochi



Dr. Tony Thomas

Kerala University of Digital Sciences, Innovation and Technology, TVM



Dr. Ramesh Venkadachalam Palani

Central University of Tamil Nadu, Thiruvaurur



Dr. Bindu Krishnan

IBM, Kochi



Mr. Santhosh Kumar K P

Sacred Heart College, Thevara, Kochi



Ms. Neethu A S

Adjunct Faculty, BITS Pilani, Rajasthan



Dr. Suresh Kumar N

College of Engineering and Management, Punnappra



Mr. Jafseer K T

Research Fellow, DCA, CUSAT, Kochi

Organizing Committee

Patron: **Archbishop Mar Thomas Tharayil**

Manager: **Very Rev. Fr. Antony Ethakkatt**

Principal: **Rev. Fr. Reji P. Kurian**

Director, CDC, MGU: **Prof. P. R. Biju**

Vice Principals: **Rev. Dr. Teddy C. Anthappai, Prof. Dr. Siby Joseph K.**

Bursar: **Rev. Fr. James Kalayamkandam**

Dean of Science: **Prof. Dr. Tomlal Jose E.**

HOD: **Dr. Antony Mathews**

Convener: **Ms. Divya Pradeep Kumar**

Co-Convener: **Ms. Smitha Joseph**

Members:

Dhanya C. Nair

Bobby Joseph

Dr. Smitha Krishnan

Rini Elizabeth Jacob

Reenu Paul

Blessy Paul

Sachin Varghese Biju

Prasobh John

Aswathy Manoharan

Greeshma Muraly

Athulya Jose

Registration Details

Registration Fee (Including Food)

Research Scholars/PG Students: ₹1000

Faculty/Industry Professionals/Others: ₹1500

Deadline: **November, 30 2024**

Registration and Payment

[Click here for faculty registration](#)

[Click here for student registration](#)

* Participation & Duty certificates will be provided.

* For accommodation contact conveners.

Contact Us

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