

THE INSTITUTION & THE DEPARTMENT

Dear Sir/Madam,

The Research Department of Computer Science, St. Xavier's College (Autonomous), Palayamkottai has planned to conduct a One Day Workshop on "Generative AI Tools & its Applications for Industry 4.0" on February 27, 2024.

The primary aim of this workshop is to familiarize students with the basics of Industry 4.0, Web 3.0, and Generative AI Tools like ChatGPT, DALLE2, Ideogram, Copy.ai, Grammarly and more!

The workshop would be an excellent opportunity for researchers and academicians to get hands on experience in using Generative AI tools. It gives us great pleasure to invite you to be one of the participants of this workshop.

About the Institution

St. Xavier's College was founded in the year 1923 by Jesuit Missionaries from France. The motto of the college is Veritate Lumen et Vita (Life and light through Truth). It is an autonomous college affiliated to the Manonmaniam Sundaranar University, Tirunelveli offering Arts and Science programmes both at the UG and PG level. The College has been declared a "College with Potential for Excellence (CPE) by UGC" in 2004 and Reaccredited with "A++" grade by NAAC in 2019. The College has completed 100 years of service in Higher Education and Research.

About the Department

The Department of Computer Science was established in 1986 and it has been one of the pioneering departments in Manonmaniam Sundaranar University and Madurai Kamaraj University.

B.Sc. Computer Science course was introduced in 1986. In the year 1991 PGDCA course was started. In 1994 M.Sc Computer Science course was introduced followed by M.C.A in the year 2000. In 1998, B.Sc. Computer evening course was started. The Computer Science Association is conducting intercollegiate competitions and Quiz programs every year. Our alumni are working in various organizations as software professionals in India and abroad.

Started as a mere institute, today it has grown into a full fledged department offering graduate and postgraduate courses. It has been upgraded and recognized by the Manonmaniam Sundaranar University as a research department in 2009.

THEME OF THE WORKSHOP

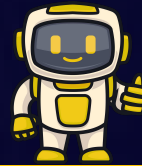
Industry 4.0 has reinvented how businesses design, manufacture, and distribute their products. Technologies such as Industrial Internet of Things (IIoT), Cloud Connectivity, AI, and Machine Learning are now deeply woven into the manufacturing process. This unified and integrated approach to manufacturing results in products, factories, and assets that are connected and intelligent. Today's Industry 4.0 initiatives also look to develop symbiotic and rewarding collaborations between people and technology.

Generative AI is the next big thing that will take over the world in many different ways. Generative AI is an incredibly powerful tool that will play an important role in democratizing access to the transformative potential of AI. With tech giants including Microsoft, Google and Meta pouring their apparently limitless resources into the technology, we can expect equally game-changing innovation in 2024. It is important to reflect on the Generative AI future and how businesses will use ChatGPT in the future.

The use cases of generative AI in software coding and AI-based drug discovery applications have received a major share of funding. Generative AI provides the flexibility for exploring different designs of an object to find a suitable match.

Generative AI can be applied extensively across many areas of the business. It can make it easier to interpret and understand existing content and automatically create new content. Developers are exploring ways that generative AI can improve existing workflows, with an eye to adapting workflows entirely to take advantage of the technology. More than 55% of all data analysis by Deep Neural Networks will occur at the point of capture in an edge system by 2025, up from less than 10% in 2021. As computer professionals it is right time to explore the challenges and security risks in the use of Generative AI. This workshop is arranged with the objective to educate the young graduates and scholars to learn the causes and benefits of Generative AI which will help them to use it in an ethical way.

RESOURCE PERSON



Mr. Mohammed Newsath Sherif J

Managing Director & CEO
Recognized Trainer by EDII-TN
StartDom Education Associated
with Shree Innotechwin

PROGRAMME SCHEDULE

9.00 AM to 9.30 AM	Registration
9.30 AM to 10 AM	Inauguration
10.00 AM to 11.15 AM	Introduction to "Generative AI Tools & Its Applications"
11.15 AM - 11.30 AM	Tea Break

HANDS ON SESSIONS

11.30 AM - 12.00 PM	Hands-on sessions with ChatGPT, Quillbot, Ideogram & more!
1.00 PM - 1.45 PM	Lunch
1.45 PM - 2.45 PM	Overview of Copy.ai and Grammarly as writing aids
2.45 PM - 4.00 PM	Practical training in all Generative AI Applications
4.00 PM - 4.30 PM	Valedictory

REGISTRATION FEES

Participants who are attending the workshop must register by filling the registration form and by paying the fees Rs.250/- for students. It is mandatory to bring own Laptop for Hands-on session. Scan the QR Code Below to Register for this Workshop.

- Last date for registration is 23rd February 2024
- Registration is limited to fifty participants only.



ORGANIZING COMMITTEE

Patrons

Rev. Fr. Dr. V. Henry Jerome, S.J. (Rector)
Rev. Fr. Dr. G. Pushparaj, S.J. (Secretary)
Rev. Fr. Dr. S. Mariadoss, S.J. (Principal)

Convenor

Dr. T.C. Raja Kumar
(Head of the Department)

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Dr. J. Patricia Annie Jebamalar

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ST.XAVIER'S COLLEGE(AUTONOMOUS)

RECOGNISED AS "COLLEGE WITH POTENTIAL FOR EXCELLENCE" BY UGC
ACCREDITED A++ GRADE WITH A CGPA OF 3.66 OUT OF 4 IN IV CYCLE BY NAAC

PALAYAMKOTTAI-627 002

TIRUNELVELI



ONE DAY WORKSHOP ON GENERATIVE AI TOOLS & ITS APPLICATIONS FOR INDUSTRY 4.0

ORGANIZED BY
RESEARCH DEPARTMENT OF COMPUTER SCIENCE



27 FEB 2024 | 09.00 AM

Venue : St. Xavier's College(Autonomous),
Palayamkottai