



PSG College of Arts & Science

An Autonomous College– Affiliated to the Bharathiar University

Accredited with A Grade by NAAC

College with Potential for Excellence (Status awarded by the UGC)

Star College Status Awarded by DBT-MST

An ISO 9001:2015 Certified Institution

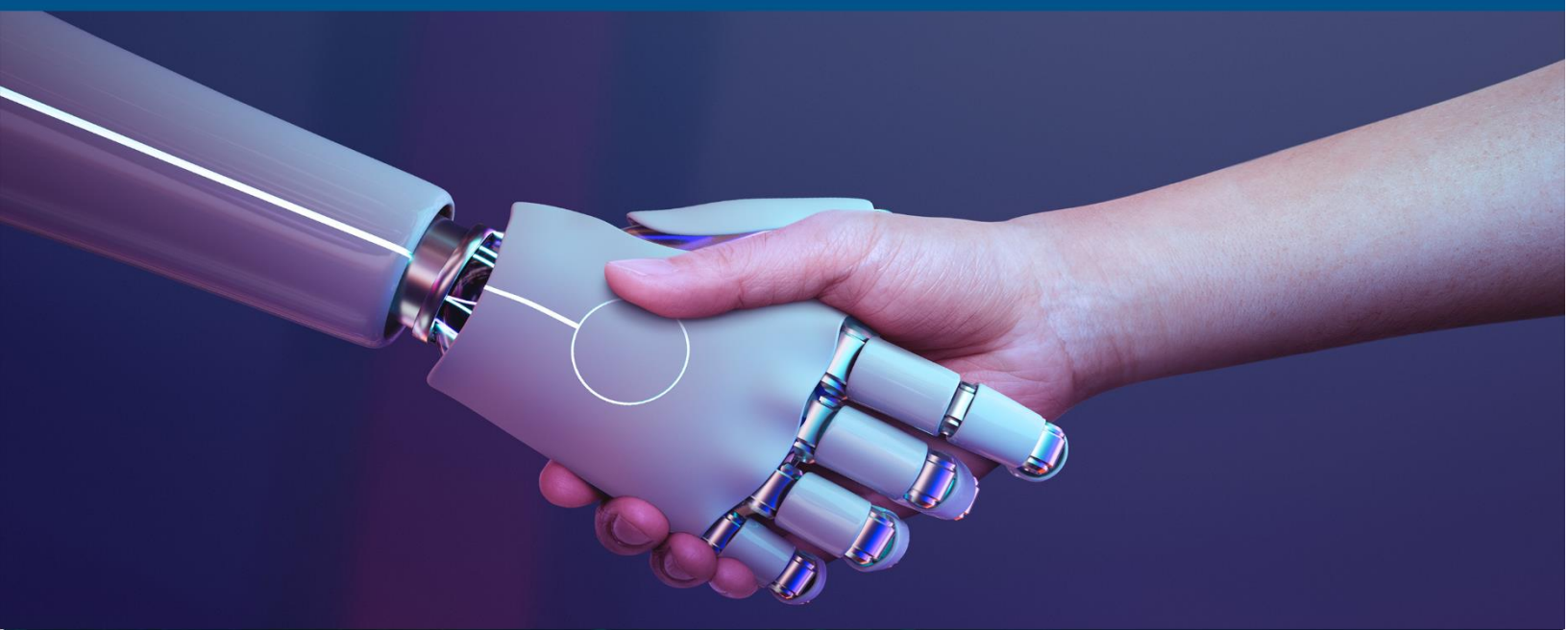
Coimbatore-641014



Platinum Jubilee Celebrations

1947 - 2021

Faculty Development Programme on “Tools and Techniques in Machine Learning and Deep Neural Networks”



Supported by
PSG Center for Academic Research
and Excellence (PSGCARE)

Organised by
Department of Computer Applications

Date:

06.12.2021 – 11.12.2021

Registration link:

<https://forms.gle/ehN9uaB1hWfXaiXj6>

About the College

PSG College of Arts & Science, named after Philanthropist Shri. P. S. Govindasamy Naidu was established in the year 1947, with a mission to set education on a noble perch accessible to all in pursuit of knowledge and world class education. The College embodies a rich tradition of excellence in teaching and research and has thus infused dynamism and knowledge to numerous learners over several decades, with utmost commitment. PSGCAS offers Forty-seven Undergraduate, Twenty-Eight Post graduate, Three PG Diploma programmes and Research Programmes in Twenty four disciplines. PSGCAS, one of the foremost Institutions of higher learning in Tamilnadu, was granted Autonomy (one among the nine Colleges in the Country) by the UGC in 1978 during the first phase itself, while still being affiliated to Madras University. The College was then affiliated to the Bharathiar University in 1982. The College is NAAC accredited; ISO certified, Ranked under NIRF and is the recipient of many National and International awards and recognitions.

About the Department

The Department of Computer Applications is offering Under Graduate Programme (BCA) and Post Graduate Programme (MCA) in Computer Applications. MCA was established in the year 1993 and BCA was established in the year 2000 with the objective of provide students with the best learning experience with smart learning atmosphere. With rapidly evolving technology and the continuous need for innovation, the department has always produced quality Professionals.

About PSG CARE

The PSG Center for Academic Research and Excellence was found in October, 2015 by the PSG & Sons Charities Trust with a mission to promote teaching excellence in all the colleges under the Trust. Toward this end, CARE will encourage the use of learner-centric pedagogical practices that facilitate effective learning and will foster dialogue and reflection on effective teaching through workshops, seminars, one-to-one consultation and other activities. The center also focuses on creating and sustaining effective faculty student relationships.

About the FDP

The programme aims to provide the insights of how Machine Learning and DeepLearning work. In today's tech world, machine learning plays a vital role and aids in discovering data patterns, making predictions based on complex patterns to detect and analyze trends. This FDP focuses on the methods to apply various Machine Learning and Deep Learning tools and techniques to analyze and solve the problems.

Schedule of the Programme

Date	09:00 AM to 12:15 PM	12:15 to 01:00 PM	01:00 PM to 03.00 PM
06.12.2021	Inauguration, Welcome Address, Introduction to Machine Learning Techniques	Lunch Break	Hands – On Session on Machine Learning Tools
	Dr.P.Shanmugavadivu, Professor & Head, Department of Computer Applications, The Gandhigram Rural Institute, Dindigul		Dr.P.Shanmugavadivu, Professor & Head, Department of Computer Applications, The Gandhigram Rural Institute, Dindigul
07.12.2021	Insights about Deep Neural Networks		Hands – On Session on Neural Network Tools
	Dr.P.Shanmugavadivu, Professor & Head, Department of Computer Applications, The Gandhigram Rural Institute, Dindigul		Dr.P.Shanmugavadivu, Professor & Head, Department of Computer Applications, The Gandhigram Rural Institute, Dindigul
08.12.2021	Building the Neural Network from the ground using Python with Hands-On		Building the Neural Network from the ground Using Python with Hands-On
	Dr.R.Manjula Devi, Associate Professor, Department Of Computer Science and Engineering, Kongu Engineering College, Erode.		Dr.R. Manjula Devi, Associate Professor, Department Of Computer Science and Engineering, Kongu Engineering College, Erode.
09.12.2021	Robotics Industry 4.0		Robotics Industry 4.0
	Dr.B.Meenakshipriya, Professor & Head, Department Of Mechatronics, Kongu Engineering College, Erode		Dr.B.Meenakshipriya, Professor & Head, Department Of Mechatronics, Kongu Engineering College, Erode
10.12.2021	Building Recurrent Neural Network with Hands-On		Building Recurrent Neural Network with Hands-On
	Dr.V.Sakthivel, Assistant Professor (Senior Grade), School of Computer Science and Engineering (SCOPE), Vellore Institute of Technology, Chennai.		Dr.V.Sakthivel, Assistant Professor (Senior Grade), School of Computer Science and Engineering (SCOPE), Vellore Institute of Technology, Chennai.
11.12.2021	Implications of Blockchain, Big Data and Cloud in Artificial Intelligence		Research Perspectives and Future Directions in the field of Artificial Intelligence, Valediction
	Dr.V.Sakthivel, Assistant Professor (Senior Grade), School of Computer Science and Engineering (SCOPE), Vellore Institute of Technology, Chennai.		Dr.V.Sakthivel, Assistant Professor (Senior Grade), School of Computer Science and Engineering (SCOPE), Vellore Institute of Technology, Chennai.

Registration Fee:**For the Faculty members of PSG Institutions:** No Registration fee**For the External Participants:** Rs. 1500/-

The registration fee is to be paid ONLY through Online mode

Beneficiary name: PSG Centre for Non- Formal & Continuing Education**Bank Account No :** 1481267367**IFSC Code :** CBIN0280913**Bank Name :** Central Bank of India**Bank Branch Address:** Peelamedu, Coimbatore - 641 004

Organising Committee

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Shri.L.Gopalakrishnan,
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Dr D Brindha
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Convener

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Head of the Department

Program Co-ordinator (s)

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Dr M Kiruthika

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Mrs J Radha
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