

VCAIR organizes 3-day NVIDIA Workshop on “AI & Deep Learning”



The Vidya Center for Artificial Intelligence and Research (VCAIR) organised a three-day NVIDIA-workshop on “Artificial Intelligence (AI) and Deep Learning” during 12 – 14 January 2019. The workshop had been sponsored by **leadingindia.ai**.

Background

VCAIR is a research forum formed to promote the Vidya Zonal Lead Partnership with **leadingindia.ai** in association with NVIDIA-Bennett Research Centre on Artificial Intelligence which is a nation-wide initiative on AI Skilling and Research. Vision of VCAIR is progress through research and education in Artificial Intelligence and thereby transform the nation. It aims to develop the skills of the next generation of professionala in artificial intelligence. With this mission, VCAIR has been conducting a series of seminars, FDPs and workshops to promote AI and Deep learning related activities.

This workshop was also the part of such an activity. The Workshop was aimed to bring professionals, researchers, faculty members, experts and students together on a single platform to discuss and put into practice the Artificial Intelligence and Deep Learning and its real life applications. The main objective of the Workshop was to provide fundamental and practical knowledge in these latest research fields so as to enable participants to solve real world problems. The workshop was targeted at the faculty members and students of Thrissur and Kilimanoor campuses of Vidya.

Inaugural ceremony

The inaugural ceremony of the programme was held on 12 January 2019 at 10.00 am at Central Computing Lab, Decennial Block. Dr Ramani Bai V (Prof and Head, CSE Dept, Convener VCAIR) welcomed the gathering with a gratitude note to Dr Deepak Garg, Director, **leadiningindia.ai** and Director, NVIDIA-Bennett Research Centre on Artificial Intelligence for offering a much valued NVIDIA workshop to Vidya campus. Dr Saji C B (Principal, VAST) delivered the presidential address. Er P K Asokan, Chief Patron, VICT, officially inaugurated the function by lighting the traditional lamp and gave the inaugural address. Resource persons for the workshop were Dr Suneet Kumar Gupta and Dr Anubhav Patrick from Bennett University School of Engineering & Applied Sciences, Greater Noida, Uttar Pradesh. Dr Suneet Kumar Gupta offered a brief introduction about the workshop. Dr. Sudha Balagopalan (Dean Academics, VAST) felicitated the occasion. Mr Ravishankar S (Workshop Coordinator) delivered vote of thanks.

Resource persons

Dr. Suneet Kumar Gupta is currently working as Assistant Professor at Bennett University School of Engineering & Applied Sciences. His research interests include Wireless Sensor Networks, Natural Languages Processing and Internet of Things. He received his Ph.D degree from Indian Institute of Technology (IIT) Dhanbad. He has published many research

papers in the domains of AI. Dr. Anubhav Patrick is a Ph.D scholar under supervision of Dr Deepak Garg and deep learning instructor at Bennett University. His research interests include Deep Learning and Neural Networks and has published research papers in these areas.

Activities

First day of the Workshop started with foundations and terminology of deep learning. Second session started with machine learning basics. The third Session was about designing and optimizing neural network model which was followed by a session on basics of python language with Microsoft Azure framework.

Second day started with convolution neural network and its applications. The second session was about recurrent neural network which was followed by advanced learning topics and its practical sessions on Microsoft Azure framework.

Assessment test on the presented topics was conducted on third day followed by NVIDIA Deep Learning Institute hands-on labs. All the participants who completed the course on fundamentals of deep learning for computer vision on NVIDIA Cloud were awarded with the online certificates. Based on the assessment test the first and second positions were declared and presented to Mr Sreekanth R Shekar, Mr Bejoy B J and Ms Anamika Murali.

The workshop was concluded with a feedback session in the presence of Dr Sudha Balagopalan, Dr Ramani Bai V, Dr Suneet Kumar Gupta and Mr Anubhav Patrick. All the participants found inspired and gained confidence to use AI and Deep learning technologies for the higher level problems in their respective domains. All participants gave sincere feedback and expressed their gratitude to **leadiningindia.ai** initiative and the resource persons for such a high-valued workshop.

Image gallery

