

**Five Day Course on**  
**Advances in Machine & Deep Learning**  
**12<sup>th</sup> January 2022- 16<sup>th</sup> January 2022**

**About GIAN**

MHRD, Govt. of India has launched an innovative program titled “Global Initiative of Academic Networks (GIAN)” in higher Education, in order to garner the best international experience. As part of this, internationally renowned Academicians and Scientists are invited to augment the Country’s academic resources, accelerate the pace of quality reforms and elevate India’s scientific and technological capacity to global excellence.

**About NIT Warangal**

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 13 Departments offering eight undergraduate and 32 post-graduate programs besides doctoral programs. About 5000 students across the country and about 500 international students study in the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure, state of the art library, seminar halls guest house and laboratory



**About Department of Computer Science & Engg**

The Department of Computer Science and Engineering (CSE) offers B.Tech course in CSE, M.Tech courses in CSE, Information Security (IS) and Master of Computer Applications (MCA). The Department has experienced faculty with good publications and well-established laboratories. The Department has liaison with reputed industries and R&D organizations like Microsoft, IBM, Oracle, Accenture, Infosys, TCS, EMC2, C-DAC, Motorola, NIC, Sun Micro Systems, SPSS and tie up with IISc in certain areas. Department conducts various sponsored programs like GIAN, International and national conferences throughout the year.

**Course Content Overview of the Course**

**The primary objectives of the course are:**

- To provide an understanding of the theoretical foundations for a range of data mining methods,
- Decision tree learning, neural networks, Bayesian networks and deep learning models.
- To provide practical experience of applying Decision trees, Bayesian networks on sample problems.
- To gain an appreciation of advanced topics in Bayesian networks, Decision Tree Learning, cost sensitive learning, multi-arm bandits and Deep Neural Networks.
- To promote opportunities for international collaboration

**International Expert**



**Sunil Vadera** is a Professor of Computer Science at the University of Salford. He is a Fellow of the British Computer Society, a Chartered Engineer (C.Eng.) and Chartered IT Professional (CITP). Sunil was awarded the BDO Best UK British Indian Scientist and Engineer Prize in 2014 and the Amity University Research Award for AI & Neural Networks in 2018. He has held many leadership roles including as Dean of the School, Head of Computer Science, Associate Dean of Research, and Director of Informatics Research Institute. He was Chair and Vice Chair of British Computer Society (BCS) Accreditations Committee from 2007 to 2010. His research is driven by the desire to close the gap between theory and practice in data mining

and AI, something he has been doing for over two decades by working with industry. For more details: <https://www.linkedin.com/in/sunil-vadera-a4478122/?originalSubdomain=uk>

**Who can Participate?**

This program is open to the Faculty, PG and Research students of Computer Science and Engineering, and other relevant streams from various institutes. Candidates from industries, research labs can also participate.

**How to Register?**

**Stage-1: Web Portal Registration:**

Visit <http://gian.iitkgp.ac.in/GREGN/index> and create login User ID and Password. Fillup the blank registration form and do web registration by paying Rs. 500/- online through Net Banking/ Debit/ Credit card. This provides the user with life time registration to enroll in any number of GIAN courses offered.

**Stage-2: Course Registration:** Login to the GIAN portal with the user ID and Password already created in Step 1. Click on Course Registration option at the top of Registration form. Select the Course titled

**“Advances in Machine & Deep Learning”**. Confirm your registration by clicking on Confirm Course.

**Stage-3:** After Course registration, please fill the registration form using this link <https://forms.gle/z8X2e48fKimEFeg8> . Payment shall be made through NEFT/RTGS only.

**Registration Fees:**

Faculty	<b>Rs. 2,000</b>
Participants from Industry – Research Organizations	<b>Rs.4,000</b>
Students & Research Scholars	
• Without award of Grade	<b>Rs.1000</b>
• With award of Grade	<b>Rs.1,500</b>
Students from abroad	<b>\$ 50</b>
Faculty/Scientists/Industry Persons from abroad	<b>\$ 100</b>

**Selection and Mode of Payment**

Account Name	GIANNITW
Account No.	<b>62447453600</b>
Bank	State Bank of India
Branch	REC Warangal (NIT Campus)
Branch Code	020149
IFSC	SBIN0020149
Microcode	506004011
SWIFT Code	SBININBBH14

**IMPORTANT DATES:**

- Last date for receiving registration form with Payment details, January 10, 2022.
- Last date for intimation to participants by email January 11,2022,
- Course dates Jan 12-16. 2022.

For any queries please contact course coordinators.

This course shall be conducted **ONLINE** as per Ministry of Education (MoE) guidelines.

**Address for Correspondence**

**Host Faculty /Course Coordinators**

- Dr K.V. Kadambari, Assistant professor, Mobile No:9705460461, E-mail id: kadambari@nitw.ac.in.
- Dr. Raju Bhukya, Assistant Professor, Mobile No: 9700553922,E-mail id: raj@nitw.ac.in. Department of Computer Science & Egg, National Institute of Technology Warangal 506004, India.