

**Aditya Silver Oak Institute of Technology  
Computer Engineering Department**

<b>Title of the event:</b> 1 week STTP on Artificial Intelligence(Samvaad 2018)			
<b>Coordinator:</b> CE/IT Dept			
<b>Venue:</b>	Millennium Hall, B building	<b>Date:</b>	24/12/2018 to 29/12/2018

**Abstract:**

The fourth industrial revolution is technology driven where AI would play a vital role. AI is the science of computers and machines developing intelligence like humans. The knowledge of this future technology would become a must for all technocrats in coming days

**Expert or Guest Profile (In Detail):**

Mr. Jay Parikh

Dr. Asim Benerjee

PhD (Electrical Engineering) , IIT Bombay

Professor Asim Banerjee has done his graduation in Electronics from the Pune University and his Masters in Electronic Instrumentation from NIT, Warangal. He joined IIT, Bombay as a senior research engineer in the DRDO sponsored project and then went on to do his PhD from the same institute in the area of Bio-medical Image Processing.

Dr Mehul Raval

Joint Secretary, IEEE Gujarat Section Institution of Electrical and Electronics Engineers (IEEE), USA-Senior Member Computer Society of India (CSI): Senior Member The Institution of Engineers (India): Fellow The Institution of Electronics and Telecommunication Engineers (IETE): Fellow The Indian Society for Technical Education (ISTE): Life Member

Dr. Priyanka Sharma

Dr Priyanka Sharma is Professor and Coordinator of the MTech Computer Science and Engineering programme. She is NVIDIA Certified Deep Learning University Ambassador and has over 20 years of teaching and industrial experience. Dr Sharma has received her BE in Computer Engineering from L D Engineering College, MTech Computer Science and Engineering and PhD (2013) from Nirma University. Her international exposure includes visits to Silicon Valley, USA (2019) and Halifax and Toronto in Canada (2014) for research based collaborations/presentations. Dr Sharma is the Co-Chair of International Conference NUICONE 2019, a flagship event of Institute of Technology. She has completed three research projects funded by Shastri

Indo-Canadian Research Grant, IPR and GUJCOST and is currently working on 2 projects funded by BRNS-DAE. She has also worked as the Principal Investigator of NVIDIA Research Center (2014). She has jointly received the CCI Technology Award (2015) (Gujarat State Level) and FICCI Award for Best University in the Use of technology (2015) (National Level), on behalf of Nirma University. One of her research project also received Best Project Award at CSI Project Innovations at National Level. Dr Sharma has received Best Research Paper Awards (2015, 2018) and ACM Best Poster award (2017). She has worked with RUSA Maharashtra for designing a broad base curriculum for AI and Deep Learning for the professional colleges of Maharashtra State. She is also involved as an Adviser/Member at various academic and research bodies at Nirma University. She is a registered PhD Guide at Nirma University and is currently guiding 5 PhD students with one scholar having completed his PhD under her guidance. Dr Sharma is also a member of various professional bodies like IEEE, ACM, IEEE Sensors Council, IEEE Biometrics Council, IEEE Signal Processing Society and Life Member of ISTE and CSI

#### Dr. Yash Vasavda

Yash Vasavada is currently an associate professor at DAIICT, and he works in the areas of communication system design and development and application of machine learning algorithms to communications and signal processing. He has over twenty years of experience at Hughes Networks systems in Germantown, Maryland, USA, where he has worked on design, development and deployment of a number of GEO, MEO and LEO satellite systems. At Hughes, Yash has published several journal and conference papers, and he was the recipient of a total of eight Hughes Patent Awards. Yash has obtained B. E. degree in Electronics and Communications from L. D. Engineering College, Ahmedabad, and M.S. and Ph.D. degree from Virginia Polytechnic Institute and State University (Virginia Tech) in USA.

#### Dr. Tanish Zaveri

Dr Tanish Zaveri is working as Professor in Electronics and Communication Engineering Department. He has an experience of more than 20 years in the field of teaching. He has been associated with the Department since July, 2000. Dr Zaveri received his BE degree in Electronics Engineering from Sardar Vallabhbhai Regional College of Engineering, Surat in 1998 and obtained his MTech degree in Biomedical Engineering from Indian Institute of Technology, Bombay in 2005. He completed his PhD in Computer Engineering from Sardar Vallabhbhai National Institute of Technology, Surat in the year 2010. He has published several papers in the area of image fusion, microscopic imaging, content based image retrieval, blind image

deblurring, hyperspectral imaging, human activity recognition etc. in international referred journals and presented/published more than 30 papers in international conferences/proceedings. He has guided more than ten PG dissertations and five research scholars and presently, he is guiding five PhD scholars. He is currently working on three ISRO sponsored research projects. He had received the DST travel grant in the year 2010 to present his research work at Georgia Institute of Technology, Atlanta. He is a senior IEEE member. His current areas of research include Multi Polarized SAR and hyperspectral data processing, image processing, biomedical imaging, video processing, and multimedia systems.

Dr. Priyank Thakkar

Nirma University , Associate Prof.,CSE Dept.

Dr Priyank Thakkar is working as an Associate Professor in the Computer Science and Engineering Department. He has more than 18 years of teaching experience. He received his BE degree in Electronics Engineering from Sarvajanic College of Engineering and Technology, Surat and ME in Computer Engineering from Birla Vishwakarma Mahavidyalaya, Vallabh Vidya Nagar. He has done his PhD from Nirma University. His research interests include Data and Web Mining, Machine Learning, Soft Computing, Deep Learning, and their applications. He has published many research papers in international journals and conferences. At present, he is working on 2 funded research projects and also guiding 5 PhD students. He has served as a program committee member of many international conferences. He is also serving as a reviewer for several international journals.

Dr. Swati Jain

Associate Prof. , Nirma University

Dr Swati Jain is working as an Associate Professor in Computer Science and Engineering Department. She has academic experience of more than 18 years. Prof. Jain has received her BTech in Computer Engineering from Barkatullah University, Bhopal and MTech in Computer Science and Engineering from Nirma University. She is a gold medalist in MTech for Academic performance. She received her PhD from Nirma University in the area of Machine learning and Image Processing in 2017. She works in the area of Machine Learning, Data Analytics, and Deep Learning. She is currently working on three funded research projects, two of them are funded under BRNS-

Department of Atomic Energy and one by ISRO. She has completed one funded research project funded under ISRO-RESPOND as a CO-PI. She has coordinated the conduction of one week customized training program on Big Data Analytics for Scientists of Indian Space Research Organisation. She has also conducted a two day workshop on Big Data Analytics at INS Valsura, Jamnagar for Indian Naval Officers. Dr Jain is also coordinating BTech curriculum design at Department of Computer Science and Engineering.

**No. of Participants: 14**

**Impact of that event in terms of POs & PSOs:**

Artificial intelligence can dramatically improve the efficiencies of our workplaces and can augment the work humans can do. When AI takes over repetitive or dangerous tasks, it frees up the human workforce to do work they are better equipped for—tasks that involve creativity and empathy among others.

**Photographs:**



**Session by Dr. Priyank Thakkar**



**Knowledge Sharing by Dr. Priyank Thakkar**



**Session by Dr. Swati Jain**

**Attendance sheet with student name:**

Attached

**Participant's feedback:**

*"Genuinely one of the best workshops I've attended. Mr. Priyank is an excellent instructor"*

*"I found it really insightful and interesting (as expected!)"*