

Perception and Modeling of Three-Dimensional Scenes

Overview

In today's highly competitive business environment, management of physical assets (their selection, maintenance, inspection and renewal) plays a key role in determining operational performance and profitability of any business unit, manufacturing plant or industry that operate assets as a part of their core business. Asset Management, being the art and science of making right decisions and optimizing these processes, attempts to minimize the total life cost of assets and directly or indirectly influences manufacturing /production /operation /service cost, processes and quality, and throughput or delivery time. There is particular interest in the application of asset management principles to the management of engineering systems in any industrial unit where the cost and performance of the assets are of major significance. Asset Management for any engineering system needs to focus on maintenance, renewal and enhancement activities, with an integrating mechanism, on delivering sustainable outputs valued by customers and funding providers at the lowest whole-life cost emphasizing on creating knowledge of how assets degrade and fail to optimize maintenance and renewal interventions. It is essential that industries across India, many organizations of which being asset-intensive, promote a consistent asset management approach to their infrastructures and systems in overall manufacturing, production and supply chain domain to develop their own methods, standards and framework for achieving excellence in business performance.

Modules	A: Perception and Modeling of Three-Dimensional Scenes : Dec 04 – Dec 10, 2017 Number of participants for the course will be limited to fifty.
How to Register	Registration to the portal is one time affair and will be valid for lifetime of GIAN. Once registered in the portal, an applicant will be able to apply for any number of GIAN courses as and when necessary. One time Non-refundable fee of Rs. 500/- is to be charged for this service. Please also note that mere registration to the portal will not ensure participation in the courses. The course coordinator has the final say on the selection of participants. Please do not confuse with web registration with course registration. The course registration fee is separate. The candidate has to pay course registration fee as per directive from the course coordinator/host Institute to the local Institute only. Registration Link for GIAN portal: http://www.gian.iitkgp.ac.in/GREGN/index
You Should Attend If...	<ul style="list-style-type: none"> ▪ You are Executives, engineers and researchers from manufacturing, service and government organizations including R&D laboratories. ▪ You are students at all levels (BTech/MSc/MTech/PhD) or Faculty from reputed academic institutions and technical institutions.
Fees	The participation fees for taking the course is as follows: Student: Rs. 1000/- Academician: Rs. 3000/- Industry/Research Organizations: Rs. 5000/- Participants from abroad : US \$200 The above fees include all instructional materials, computer use for tutorials and assignments, laboratory equipment usage charges, free internet facility. The participants will be provided accommodation on nominal payment basis at university campus.

The Faculty



Professor Iftikhar Balakishi Abbasov, is Head of Department of Engineering Graphics and Computer Design, of Southern Federal University, Taganrog, Russia. His scientific research areas are Mathematical Simulation of Nonlinear Wave Phenomena in Fluid Dynamics and Acoustics, Computer Modeling in Industrial Design. He is a scholarship holder of the Soros Foundation and University Academic Board. He is the member of the Russian Designers Union, Russian Acoustical Society, and Indian Mathematical Society. He is an author of 12 textbooks on Application of Computer-Aided Technologies in the field of design. Among them, 8 textbooks were published by DMK Press publishing company (Moscow) and have the signature stamp of the Ministry of Education of the Russian Federation, Scientific and Methodological Council on Engineering Graphics of the Ministry of Education of the Russian Federation. He is having 28 years of teaching and research experience.



Dr. Ratnadeep R Deshmukh, is Professor and Former Head, Department of Computer Science and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS), India. He is Fellow member and Chairman, IETE Aurangabad Centre, He is the Coordinator for DST-FIST sponsored project on "Hyper Spectral Image Analysis of RS and GIS" (2013-2018), Govt. of India, New Delhi. He received the Award 2015 for outstanding service in Education and Research to strengthen India's Unity and economic development. Coordinator, Maharashtra State Marathi World Dictionary Development Committee, Govt. of Maharashtra, for development of Marathi World Dictionary in the subject of Information Technology and Computer Science. His research area of interest is GIS and Remote Sensing, Human Computer Interaction, Digital Speech Signal processing, Data Mining, Image Processing, Pattern Recognition, Artificial Intelligence, Computational Auditory Scene Analysis (CASA), Neural Networks. He has visited University of Santiago de Compostela, Spain under the Research Excellence Program USC - India (PEIN Fellow). Edited ten books and published more than 151 research papers in reputed journals and conference. Chief Editor of Lecture Series in Communication Engineering published by Springer and ACEEE.



Dr. C. Namrata Mahender, Working as Asst Professor, Ph.D. and NET in Computer Science. Her area of Specialization are Parallel Computing, Computational Linguistics and Psycho-linguistics, Image Processing, Pattern Recognition. More than 30 papers have been published in reputed journals and conference. She has completed two UGC minor projects. She is life member of ISCA, IETE, IAEng and member of IEEE. She won First prize in Inter University State Level Research Festival "AVISHKAR - 2009" under H. L. F. A. category at Teacher level & for the Team Management. She is a Secretary, IETE Aurangabad Center.

Course Co-ordinator

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