



## About GIAN

Govt. of India approved a new program titled Global Initiative of Academic Networks (GIAN) in Higher Education aimed at tapping the talent pool of scientists and entrepreneurs, internationally to encourage their engagement with the institutes of Higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence.



## About DTU

Delhi Technological University (formerly Delhi College of Engineering) is a leading Technological University. DTU is a key node in national and global knowledge network, thus empowering India with the wings of knowledge and power of innovations. Established in 1941 by Government of India, erstwhile DCE now DTU is one of the premier Institutions of Engineering and Technology education in India. It has played unique and important roles in the advancement of technical education in the country.

## About Programme

The Indian economy has been growing at a fast and steady pace in the last two decades but the proportion of manufacturing is continuously decreasing. The Government of India has set a target of 25% share of manufacturing in GDP by 2025. Along with several other factors pertaining to the production level of a manufacturing organization, appropriate planning and control plays a decisive role in timely meeting customer requirements as well as in effectively utilizing resources.

The production planning department has to work closely with the marketing department, shop floor, and procurement department,

among others, to prepare a workable plan keeping in view the marketing requirements. The proposed program will focus on introducing the participants to the mathematical analysis of various aspects of production planning and control. Among others, it will cover topics in inventory control, forecasting, aggregate production planning, and lot sizing. It will also introduce the state-of-the-art concepts of advanced planning and scheduling (APS), which addresses production planning and scheduling over a supply chain, and integrated production planning and distribution.

## About Speakers



Professor Subhash C. Sarin is the Paul T. Norton Endowed Professor in the Grado Department of Industrial and Systems Engineering at Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA. His research interests are in the areas of production planning and scheduling, applied mathematical programming, and design and analysis of manufacturing systems. He has published several papers in the Industrial Engineering and Operations Research journals, and has co-authored two books in the production scheduling area (and has co-edited another book in the same area.) He has received several prestigious awards at the university, state, and national levels. He is a recipient of: Institute of Industrial Engineers (IIE) Holzman Award as an Outstanding Educator in the Nation (for outstanding contributions in research, teaching and service); IIE David F. Baker Distinguished Research Award for significant contributions to the advancement of the industrial engineering profession through outstanding research activity (the highest research award given by the Institute); Alumni Award for Excellence in Graduate Advising (the highest graduate advising award given by Virginia Tech); Dean's Award for Excellence in Teaching; Pletta Award as Virginia's Outstanding Educator of the Year; and Sporn Award for Excellence in Teaching of Engineering Subjects, College of Engineering, Virginia Tech. He is also a recipient of several best paper awards. His research has consistently been sponsored by government agencies (NSF, DOE, USDA, among others) and industry. He has advised 25 Ph.D. and 52 M.S students to the completion of their degrees. He has served on the editorial boards of many journals. He is a Fellow of the Institute of Industrial Engineers and a Full member of the Institute for Operations Research and the Management Sciences.



Prof. S. K. Garg is Pro Vice Chancellor and Professor in Delhi Technological University (Formerly Delhi College of Engineering). He is the founder Head of Delhi School of Management, DTU, and Former Head, Department of Training and Placement. He was appointed as Independent Director to Navratna Public Sector Enterprise by GOI for a period of three years from 2012-2015. He is recipient of Dewang Mehta National Education Award for Best Professor in Operations and manufacturing in the year 2015. Prof. Garg has more than 25 years of experience in industry, teaching and research. His teaching and research areas include Supply Chain Management, Manufacturing Process Automation and Technology Management, Operations Management, Materials Management, Operations Research, Manufacturing Strategy, Production Planning and Control etc. He has guided fourteen PhD thesis and five others are in progress, 70 M.Tech thesis and 50 B.Tech projects. He has published 175 papers including 75 in International Journals.

## Registration Process and fee:

Organized By: Department of Mechanical Engineering, Delhi Technological University

To attend this course, participants have to first register on GIAN portal (<http://www.gian.iitkgp.ac.in/GREGN/index>) and then he/ she has to select this course from the available list of courses. After the registration at GIAN portal, the candidate has to submit his/ her details with registration fee in the form of Demand Draft in favour of Registrar, DTU, payable at Delhi latest by 20<sup>th</sup> June 2016 to Prof. S K GARG, Pro VC Office, Delhi Technological University, Shahbad Daultapur, Bawana Road, Delhi-110042.

The participation fees for taking the course is as follows:

Participants from abroad : US \$200	Industry/ Research Organizations: Rs. 5000
Academic Institutions: Rs. 2000	Research Scholars/students: Rs. 1000 (Rs. 500 for SC/ST students)

Only 50 participants will be shortlisted for this course

## Who can attend?

Faculty, Research Scholars, M.Tech. Students, B.Tech. students, Managers, Executives and Engineers from Industry may attend this course.

Patron:

**Prof. Yogesh Singh**  
Vice Chancellor, DTU

Local Coordinator GIAN-DTU  
**Prof. Madhusudan Singh**  
Dean Academics (UG)

Course Coordinator:

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