Optimization Tools for Business Analytics
Optimal Decision Making Through Intelligent Modelling

Scope and Intent: Business runs on decision making and business excellence is only possible when the decisions are made optimally. Mathematical models and algorithms are indispensable to arrive at optimal decisions. Many typical industrial and business problems are intelligently modelled as mathematical problems and can be effortlessly solved with the computing power available today. Unaware of this, managers and executives continue to make decisions based on experience and subjective evaluations which often turn out to be deficient or suboptimal. Most of the training programmes/courses, including the ones at undergraduate and post graduate level, available today focus on theoretical background. This program is exclusively designed to aggressively promote the OR applications in industry through training managers and executives on modelling a variety of decision making problems encountered most frequently in the routine business analytics.

Course Structure & Contents: Starting with basic introduction to optimization models, the course will focus on modelling various standard problems such as assignment, transportation and network, material and production planning, project management, staff management, call centre management, product mix, vehicle routing and so on. A number of live case studies will be presented at length. The participants will be introduced to professional OR software as well as excel based solver, and will be provided hands on experience in using these software for solving the models.

Who Can Attend the Course: The course is primarily meant for managers and executives working in industry, both service and manufacturing. The course will also be extremely useful for faculty members teaching OR at undergraduate and post graduate level because the live examples and case studies covered in the course can be used for motivating the students. Mathematics in the course will be kept at a very minimal level and the participants are expected to have acquaintance with mathematics at the intermediate level.

Programme Schedule: This programme will be conducted through *online sessions* via Google Meet. The total duration of the course is about 50 hours. The sessions will be conducted on Saturdays and Sundays. Timings 6pm to 8pm. Sessions will go for 12 weeks starting from December 12, 2020 to February 28, 2021.

Certification: Participants will be evaluated on the basis of a terminal examination and participants will receive the course certificate on successful completion.

Course Fee: Rs. 10,000/- plus Rs.1800/- GST (@18%) per participant (Total Rs. 11800/-).

Last date for receiving applications: November 30, 2020.
The application from can be downloaded from the web site or can be obtained from Course Coordinator. Filled in application form, without payment, should reach ISI on or before November 30, 2020.

Selection: The selection will be based on first come first served basis and also suitability/eligibility.
Selected candidates will be intimated through email for making the payment of course fee during 1st week of December 2020.

Mode of Payment : Selected/eligible candidates need to pay the fee in the form of Demand Draft drawn in the favour of "Indian Statistical Institute, Payable at Hyderabad" or Online (NEFT) Bank Transfer (Name of the Account holder: Indian Statistical Institute, Current A/C No : 30451010000079 IFSC Code : SYNB0003045, Syndicate Bank, J S N Colony, Habsiguda, Hyderabad.)

For details on this contact the Course Director/Coordinator at the following address:

Dr. G S R Murthy	**K Venkata Ramana**
Course Director	**Course Coordinator**
Ph: 04027153984; murthygsr@gmail.com	**vrkota@gmail.com**

INDIAN STATISTICAL INSTITUTE

SQC & OR Unit, Road # 8, Habsiguda, Hyderabad - 500 007
Ph. No. 040 - 2715 3984, 2717 1906, 2717 9402   FAX: 2717 3602
E-mail: murthygsr@gmail.com; vrkota@gmail.com

Training Programme on
Optimization Tools for Business Analytics
Optimal Decision Making through Intelligent Modelling
[Through online sessions from December 12, 2020 to February 28, 2021]

REGISTRATION FORM

Last date for registration: November 30, 2020

Name   :

Age   :

Organization   :

Mailing Address:

Phone : (M)   (O)   (R)

E-mail :   FAX :

Participant Profile : Please enclose a brief background about yourself.

Course Fee: Rs. 10,000/ - + GST 1800/- (@18%): Rs. 11,800/- (Total)

_____

Payment Particulars

Amount : 11,800/-   DD No. / NEFT No.

Bank: Date:

_____

 Signature :   Date:

Session Timings: Participants are encouraged to suggest any alternatives for the proposed schedule (for instance, one may prefer 6pm to 8pm on Mondays, Wednesdays and Fridays, in which case the course can be completed on a fast track). If there is common proposal from majority of applicants, the same may be considered. Please do mention your preferred schedules along with your application.