

5 Days Faculty Development Programme

TEACHING OPERATIONS RESEARCH AND ITS APPLICATION

Date & Venue

February 12-16, 2018
IIMK Campus, Kozhikode

Programme Fee:

Rs. 20,000 /- + GST

Programme Co-ordinator :

Prof. Rupesh Kumar Pati

OBJECTIVE

In today's competitive business environment, the success of a firm depends largely on the capability of its managers in taking effective decisions within the constraints posed by environment, markets, and internal forces. Executives in every organization should use Operations Research (O.R.) to unlock the value in their data, model real world systems, and make better decisions with less risk. Whether O.R. is used to inform high-level strategy or improve day-to-day operations, the results speak for themselves: Insight into difficult problems, Millions in cost savings and increased revenues, more (and better) options, more profitable pricing, greater market share, better asset utilization etc. To achieve these results, O.R. professionals draw upon the latest analytical technologies of optimization, heuristics and simulation. Through mathematical tools and techniques developed over the years, this important field of management decision making provides today's managers with capabilities of formulating and solving large-scale decision making problems. This programme gives an overview of such techniques (of handling the practical issues) to the faculty members through hands on exercises so that they can contribute to the nation's development in training great engineer's and managers of future who can make a well informed decisions in an effective manner.

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PARTICIPANT PROFILE

This programme is primarily targeted at young teachers either presently doing teaching or planning to get into teaching operations research in a practical/application oriented approach to make the students much interested in Operations Research and enjoy the utility of the tools and techniques.

COVERAGE

Application of Linear programming problems, Sensitivity Analysis & Duality, Integer Programming, Goal Programming, Dynamic Programming, Waiting Line Models, Introduction to Simulation, Network Optimization problems etc.

PEDAGOGY

This programme will mostly concentrate on in real life application of the tools and techniques through case study methodology. Even though Operations Research tools are based on strong mathematical fundamentals, but given the heterogeneous nature of the students in every business schools, the mathematical rigor of the course is quite limited. The course delivery is mainly based on case study discussions by the faculty/participants of the program and hands on experience in the lab. The applications of optimization software like Lindo, Solver and its interpretation will also be covered.

LAST DATE

The registration process will be closed three weeks prior to the commencement of the programme

CANCELLATION POLICY

In the event of cancellation of nomination, full refund of the program fee will be made, if request is received in writing at least 21 days before commencement of the program. No refund will be made if such a request comes after this date.



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Contact Information

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