

Models and Methods for Supply Chain Decisions



Organized by

DEPARTMENT OF MECHANICAL ENGINEERING
National Institute of Technology Calicut
NIT Campus P.O., Calicut - 673601 Kerala, India



Under TWINNING WITH

Govt. Engineering College Bharatpur
Bharatpur -321303
Rajasthan, India

Sponsored by TEQIP – III, MHRD

PREAMBLE

The information revolution led to the shift in competition between organizations to competition between supply chains. This resulted in enormous research taking place in improving the supply chains by understanding the complexities. Further, the discipline has expanded in length and breadth encompassing various other disciplines leading to many new areas year after year. Recent addition to the body of knowledge of supply chain is Green Supply Chain, Sustainable Supply Chain Management and Humanitarian Supply Chain. This has led to the inclusion of environmental and social criteria apart from the traditional economic criteria. Therefore, anyone desiring to carry out advanced research requires an in-depth grounding on optimization theory, application of optimization techniques in supply chain problems and rigorous mathematical analysis. This course proposes to build a foundation of mathematical rigorous in analyzing supply chain problems. It will facilitate the young researchers to conduct research in the emerging areas and publish in reputed academic journals.

Topics to be covered

- Phases in supply chain decisions
- Network design
- Inventory decisions: single period and multi-period models
- Integrated production and inventory models
- Green routing models
- Sustainable supply chain models
- Supply chain risk and mitigations
- Humanitarian supply chain

(Participants are encouraged to bring their Laptop for the hands-on training classes)

Resource Persons

Eminent Faculty from IITs, IIMs, NITs and other reputed institutions.

ELIGIBILITY

Faculty members from AICTE approved Engineering Colleges/Institutions can apply. **Maximum number of faculty participants is 20.**

Working professionals and practicing engineers from various research organizations and industries, and research scholars are also eligible to participate in the programme.

REGISTRATION FEE (INCLUDING 18% GST)

- Industry/ Research Organizations: Rs.5900
- Academic institutions: Faculty* Rs. 2360
- Research scholars: Rs. 2360

This registration fee includes only registration materials. Boarding and lodging will be extra.

The registration fee has to be paid through online transfer. The bank details are given below:

Account Name: Director NIT Calicut (CEP), Account No: 37618269594, Branch: SBI NIT Calicut, IFSC code: SBIN0002207. *(*For faculty members who attend the full programme, the registration fee will be reimbursed).*

TRAVEL EXPENSES

No TA/DA will be paid for any participant.

HOW TO APPLY?

Registration form can be downloaded from the institute website (www.nitc.ac.in). The filled in registration form along with the online payment voucher and the endorsement form should reach the Coordinators (by Post/e-mail) on or before **18/05/18**.

SELECTION

Selection will be on first-come-first-served basis and will be intimated through e-mail latest by **18/05/18**. All further communication will be through e-mail only.

BOARDING & LODGING

All faculty and research scholars may be accommodated in the hostel/international hostel on payment basis if they request for it. Participants from industry/research organizations may be provided lodging in the Institute. Guest house on payment basis, subject to availability.

Charges:

| | |
|----------------------------------------------|--------------|
| International hostel | Rs. 450/Room |
| Ladies hostel | Rs. 250/Room |
| Men's hostel | Rs. 250/Room |
| Guest house (for industry/ R&D participants) | Rs. 350/Room |
| Breakfast, lunch and dinner | Rs. 250/day |

ABOUT NIT CALICUT

National Institute of Technology Calicut (NITC) is fully centrally funded by MHRD and is governed by the NIT Act 2007. The institute has ten departments, three schools and nine research centers. It offers ten UG, and thirty PG programmes along with the Ph.D. programme in various fields of Architecture, Engineering, Management, Science and Technology. Faculty in the various departments have active collaborations with universities and elite institutions within and outside India for research and have active consultancy for industries. For details, visit the website: www.nitc.ac.in

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering is one of the oldest departments in this institute. It was established at the inception stage of the Calicut Regional Engineering College (CREC) in 1961, which was the forerunner to the present National Institute of Technology Calicut (NITC). At present, the department offers two undergraduate programmes – B.Tech. (Mechanical Engineering) and B.Tech. (Production Engineering). It also offers six post graduate programmes – Industrial Engineering and Management, Thermal Sciences, Manufacturing Technology, Materials Science and Technology, Energy Engineering and Management, and Machine Design – leading to the M.Tech. degree of the Institute. The department also offers Ph.D. programme in various fields of Mechanical Engineering. The Department is a recognized QIP centre of the AICTE for both M.Tech. and Ph.D. programmes. Besides teaching, the members of the faculty are involved in research, consultancy work (Design & Development, Energy Auditing, Industrial Sickness Evaluation, Testing, etc.), sponsored research (sponsored by DST, AICTE, ARDB, etc.), and product development.

ABOUT GEC, BHARATPUR

Government Engineering College Bharatpur (GECB) is an autonomous institute under Bharatpur Society, Rajasthan, India. GECB was established in the year 2007. The college has six departments namely Mechanical Engineering, Civil Engineering, Electronics and Communication Engineering,

Electrical Engineering, Computer Science and Information Technology, and Applied Science and Humanities. For details, visit the website <http://www.ecbharatpur.ac.in>

ABOUT TEQIP III

Technical Education Quality Improvement Programme (TEQIP) was launched in December, 2002 by the Ministry of Human Resource Development, India with the World Bank assistance. The programme was conceived and designed as a long term project to be implemented in 10 - 12 years in 3 phases to support excellence and transformation in technical education in the country. The third phase of the programme, TEQIP – III was started in the year 2017 and will be ending in 2020. The main objective of TEQIP – III is to improve the quality of engineering education in the existing government institutions in the educationally backward states and also arrange for twinning them with other institutions like NITs and a few affiliating technical universities.

ABOUT CALICUT

Calicut is a major knowledge hub of Kerala and is the home town of institutions of national importance including NITC, IIMK, NIELIT, CWRDM, IISR, KSoM, etc. Calicut is connected by direct rail/road/air to all major cities in India. NITC is located about 22 kilometers north-east of Calicut City. Calicut, also known as Kozhikode, is designated as the city of spices. Kozhikode beach, Kappad beach where Vasco De Gama landed first, Kadalundy bird sanctuary and Tusharagiri waterfalls are the important places for tourist attraction.

Endorsement of the Head of the Institution/Department

Certified that Mr./ Ms./ Dr. is an employee of this institution and is hereby sponsored for the FDP on **Models and Methods for Supply Chain Decisions** at NIT Calicut during 21 – 26 May 2018. He/she will be permitted to attend the course, if selected.

Place: _____ Name & Signature
Date: _____ of the Sponsoring Authority
(seal of the institution)

COORDINATORS

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Faculty Development Programme
Models and Methods for Supply Chain Decisions

May 21-26, 2018
National Institute of Technology Calicut
Govt. Engineering College Bharatpur, Bharatpur
Sponsored by TEQIP – III, MHRD

Name:.....

Date of Birth:..... Gender: Male/Female

Designation:.....

Institution:.....

Address for communication:.....

.....

.....

Phone..... Mob.....

Email.....

Fee Payment Details:

Transaction ID:.....Amount:.....Date:.....

Name of Bank.....

Whether accommodation needed: Yes/No

Signature of the Applicant

REGISTRATION FORM