

Chief Patron:

Prof. Achyuta Samanta
Founder, KIIT and KISS Bhubaneswar

Patrons:

Mr. Ashok Parija, Chancellor, KIIT
Dr. S. K. Acharya, Pro-Chancellor, KIIT
Dr. Saranjit Singh, Vice-Chancellor, KIIT

Co-Patrons:

Dr. J. R. Mohanty, Registrar, KIIT

Steering Committee/Project Monitoring Committee:

Sumita Mishra, Dean, KSOM, KIIT
Dr. Suchismita Satpathy, SME, KIIT
Dr. P. C. Mishra, Dean-Research, SME, KIIT

Chairman:

Dr. B. C. Routara, Dean, SME, KIIT

Coordinators:

Dr. Sushanta Tripathy, Professor, SME
Dr. Deepak Singhal, Asso. Prof., SME
Dr. Sanjib Jaypuria, Asst. Prof., SME

Executive committee:

Dr. Nitin Sharma
Dr. Ajay Kumar Behera
Dr. Surendra Kumar Ghadei

ABOUT US

Kalinga Institute of Industrial Technology (KIIT) is a deemed to be university located at Bhubaneswar, Odisha, India. KIIT is unique among its peer institutions in having nineteen schools co-located on one contiguous campus offering more than 100 programs including UG/PG studies in the disciplines including engineering, management, medicine and law. KIIT has been awarded Tier-1 status by NBA (AICTE), accredited with Grade 'A' by NAAC (UGC), it is an **Institute of Eminence** and has been accredited by IET, U.K. We also take pride in being home to the largest and first tribal university of the world Kalinga Institute of Social Sciences (KISS), a protégé of KIIT which is a noble initiative of our honourable founder (KIIT/KISS) Prof. Achyuta Samanta. Detailed information about KIIT and KISS University can be obtained from: <http://www.kiit.ac.in>.



The School of Mechanical Engineering is amongst the top rated departments at KIIT University leading in student's placements, achievements, research, projects, collaborations, technology incubation and entrepreneurship. The school houses four different streams, i.e. Mechanical, Aerospace, Mechatronics and Automobile. The students, here get a platform to showcase their talents to a global audience, with foreign student exchange programs and internships. The school currently offers an optional open elective, honours as well as minor courses based on credit system for those interested in interdisciplinary programs. The school aims to produce high quality individuals with keen and active interest in the frontier areas of mechanical engineering.

AICTE Training and Learning (ATAL) Academy sponsored



One Week
Faculty Development Program (FDP)
on

**Role of MCDM Techniques in Data
Driven Supply Chain for
Sustainability and Resilience**

during

18th - 23rd December 2023

Coordinators

Dr. Sushanta Tripathy, Professor, SME
Dr. Deepak Singhal, Asso. Prof., SME
Dr. Sanjib Jaypuria, Asst. Prof., SME

Organized by



KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)

Deemed to be University U/S 3 of UGC Act, 1956

ABOUT ATAL ACADEMY

AICTE Training & Learning Academy (ATAL Academy) facilitates through trainings and workshops to up-grade the knowledge and skills of faculty members of AICTE approved Institutions, Research Scholars, PG Scholars, Participants from Govt, Industry and staff of host institution.

OBJECTIVE

This FDP aims to provide scholars, academic professionals, researchers, and industry personnels with a comprehensive understanding of how MCDM techniques can be applied to evaluate and enhance the sustainability and resilience of data-driven supply chains. The participants will be introduced to the concepts of data-driven supply chain management, including the role of big data, analytics, and digital technologies in optimizing supply chain operations. Also, the importance of sustainability and resilience in modern supply chains will be highlighted and role of MCDM techniques will be explored in evaluating and prioritizing sustainability and resilience measures.

This FDP will illustrate real-world applications of MCDM techniques in supply chain decision-making and show how these techniques can be used to optimize supplier selection, distribution network design, inventory management, risk assessment, and more. Further, it will discuss the integration of data sources and analytics with MCDM techniques and showcases how data-driven insights can enhance the accuracy and effectiveness of decision-making in supply chains.

Finally, By the end of the program, participants should be equipped with the knowledge and skills to integrate MCDM techniques and data-driven approaches effectively into their teaching, research, and professional activities related to supply chain management, sustainability, and resilience.

COURSE CONTENT

The faculty development program (FDP) will cover but is not limited to following topics:

- ✚ Challenges of Supply Chain post Covid-19
- ✚ Significance of digital technology in supply chain
- ✚ Supply chain Sustainability and Resilience
- ✚ Circular Economy and Industry 4.0
- ✚ Remanufacturing for the circular economy
- ✚ Supplier selection
- ✚ Occupational health safety and risk assessment
- ✚ Purchase intention of consumers towards remanufactured products
- ✚ Assessment of supply chain bottlenecks
- ✚ Supply chain Optimization
- ✚ Role of MCDM techniques in supply chain
- ✚ Application of various MCDM techniques such as Fuzzy AHP, Fuzzy DEMATEL, Fuzzy SWARA, Fuzzy WASPAS, ISM, ARAS and many more.
- ✚ Application of data-analytic approaches in supply chain decision making

Each session will be demonstrated via Case study through lab-based computer sessions and

EVENT DETAILS

The events of the online seminar include:

- ❖ Inaugural Ceremony
- ❖ 10 Technical sessions @ 2 hours/session
- ❖ Q & A with experts
- ❖ Quiz Test and Valedictory Ceremony
- ✓ All the sessions will be conducted **OFFLINE** at Mechanical Engineering Department.
- ✓ An online test will be conducted by the coordinator at the end of the program.
- ✓ Certificates shall be issued by the ATAL Academy to participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

RESOURCE PERSONS

Academicians from premier institution like IITs, NITs, IIMs, Universities, and experts from Industries as well as R&D Organizations having expertise in engineering domain are invited as Resource Person for this program.

IMPORTANT GUIDELINES

- ✚ Faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/ Technicians Participants from Industry etc.) and staff of host institutions are eligible to apply for the FDP.
- ✚ Not more than 30% Faculties/research/PG scholar should be from Host Institution.
- ✚ There is no registration fee for the participants.
- ✚ Interested participants from industry, academic and research community are required to register compulsorily in the following link:
<https://www.aicte-india.org/atal> Or
<https://atalacademy.aicte-india.org/signup>
- ✚ Seats are limited (maximum 50) and the participants are selected by organizers on first come first serve basis.
- ✚ Last date of registration: 10/12/2023

CONTACT DETAILS

For any queries regarding this programme, please contact:

The Coordinators ATAL FDP
Department of Mechanical Engineering,
KIIT Deemed to be University
Bhubaneswar-751024, Odisha, India

Email: stripathyfme@kiit.ac.in
deepak.singhalfme@kiit.ac.in

Phone: +91-9937374811/ +91-7894232868