



Faculty Development Programme

on

**Multi-Criteria Decision Making-Technique in Management Research
(MCDM-TiMR-2023)**

18th Nov -24th Nov 2023

Organizing by:



विश्वजीवनामृतं ज्ञानम्

**Department of Management Studies
ABV-Indian Institute of Information Technology and Management Gwalior
www.iiitm.ac.in**

Programme Coordinators

Dr. Vinay Singh, Dr. Manoj Kumar Dash, Prof. Rajendra Sahu

About the Programme

The One-Week Faculty Development Programme is a comprehensively designed to empower faculty members, researchers and practitioners to impart the knowledge, skills, and tools required to excel in the realm of Management Decision Making and Research. This program will blend theoretical understanding with hands-on exposure to diverse research methodologies, decision-making techniques, and based on that the research paper writing essentials.

Objectives

- To facilitate the identification of research problems and the development of research frameworks in the context of Management Studies.
- To provide an in-depth understanding of selective Multi-Criteria Decision-Making (MCDM) techniques and their applications in the research process.
- To equip participants with practical experience through hands-on exercises, case studies, and the utilization of MCDM tools such as AHP, DMETAL, ISM, TOPSIS, and Fuzzy methods.
- To delve into advanced MCDM methodologies, including Fuzzy AHP, Fuzzy DEMATEL, GINA, BWM, GINA Influential Relation, Grey AHP, Grey DEMATEL, and Grey Relation Analysis.
- To enhance participants' research and academic writing skills, encompassing reference management and research paper writing.

Program Highlights

The One-Week Faculty Development Programme will comprise a wide array of topics and activities, enabling participants to broaden their horizons and deepen their expertise:

Part 1: Research Problem Identification and Framework Development

- Identifying research gaps and problem areas in Management Studies
- Developing robust research frameworks and objectives
- Incorporating relevant theories and models
- Introduction to Multi-Criteria Decision-Making (MCDM)
- Analytic Hierarchy Process (AHP)
- Decision-Making Trial and Evaluation Laboratory (DMETAL)
- Interpretive Structural Modeling (ISM)
- Technique for Order of Preference by Similarity to Ideal Solution (TOPSIS)

Part 2: Advanced MCDM Techniques that covers:

- Exploring Fuzzy AHP
- Fuzzy DEMATEL
- Best-Worst Method (BWM)
- Grey Relation Analysis, Grey Incidence Analysis (GINA), GINA Influential Relation,
- Grey Analytic Hierarchy Process (Grey AHP)
- Grey Decision-Making Trial and Evaluation Laboratory (Grey DEMATEL)

Part 3: Research Skills Enhancement

- Utilizing reference management tools for effective literature review and citation management
- Navigating the principles of academic writing and research paper structure
- Hands-on research paper writing and peer review sessions

The program will conclude with a closing ceremony where participants will be awarded certificates of completion.

Learning Outcomes

1. Learning to identifying research problems and developing research frameworks in the context of Management Studies.
2. Learning to gain an in-depth understanding of various Multi-Criteria Decision-Making (MCDM) techniques and their applications.
3. Learning to equip participants with theoretical understanding and hands-on exposure of AHP, DMETAL, ISM, TOPSIS, and Fuzzy methods and advanced MCDM methodologies, including Fuzzy AHP, Fuzzy DEMATEL, GINA, BWM, GINA Influential Relation, Grey AHP, Grey DEMATEL, and Grey Relation Analysis to prepare participants for research and academic excellence in the field.

The Participants

Faculty members, Industry persons, Research Scholars and Students of any discipline with basic computer knowledge can attend the programme.

FDP Venue

First-Floor, Department of Management Studies

Atal-Bihari Vajpayee-Indian Institute of Information Technology and Management, Morena, Link Road, Gwalior, Madhya Pradesh - 474015

About the Institute

Atal Bihari Vajpayee-Indian Institute of Information Technology and Management (ABV-IIITM) in Gwalior, Madhya Pradesh is an autonomous institute set by the Government of India, MHRD (Presently Ministry of Education, Govt. of India) in 1997. This institute was created for facilitating higher education, research, and consultancy in the areas of information technology (IT) and business management. Academics at our institute are focused on the advancement of knowledge and systematic understanding of course materials and their application areas. The institute aims to take academics to unprecedented levels of brilliance and efficiency.

About the Department of Management Studies

The Department of Management Studies (DoMS), is an academic department of the ABV- IITM Gwalior. DoMS offers academic Programmes such as PhD, MBA and Integrated Programmes in Management with dual degrees of B.Tech, and M.B.A. The DoMS aims to develop holistic and responsible leaders by creating insightful knowledge and transforming human endeavors through technology-enabled management solutions.

Participation Fee

\$Registration charge: (i) Rs. 2,000/- for Online Participants (ii) Rs. 2,000/- for Research Scholars of the host institute, and (iii) Rs. 5,000/- for other Offline Participants*#

\$: The fee includes the knowledge sharing to the registered participants and facilitation of supplementing course material by the instructor in electronic form only.

*This includes workshop refreshment and working lunch of 07 days and gender specific hostel accommodation of 06 nights on twin sharing basis.

The participants can also avail the guest room accommodation on self payment basis subjects to its availability during the requisition period. Such participants can send their request separately to the workshop coordinators at least a week before their arrival. The charges of such facilities shall be as per the institute norms. In such cases, no relaxation shall be considered in offline registration charges.

Mode of Payment

Participants are required to pay the fee in the following bank account through bank transfer/NEFT/ UPI

Account no: 945210110009380
Account Name: Director, ABV-IIITM, Gwalior
Bank name: Bank of India, Gwalior branch
IFSC Code: BKID0009462

Registration Details

After Successful Payment please click on the following link for Registration:

<https://forms.gle/1kgf2hkxq2hXEZ9d8>

For any further queries or technical glitches, kindly contact to the following workshop coordinators:
Dr Vinay Singh (+91-9479674107), or Dr. Manoj Kumar Dash (+91 9981380256)