

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1

DEPARTMENT OF MATHEMATICS

REPORT ON WEBINAR

Invitation



D.K.M COLLEGE FOR WOMEN (AUTONOMOUS),

VELLORE-1

DEPARTMENT OF MATHEMATICS

Organizes a

WEBINAR

On

**“THE IMPACT OF TECHNOLOGY ON PERSONAL AND PROFESSIONAL
DECISION MAKING”**



RESOURCE PERSON

Dr. A. AKILBASHA

Assistant Professor,

Department of Mathematics and Statistics,

Dr. Vishwanath Karad MIT World Peace University, Pune-411 038

Date: 15.10.2024

Time: 11.30 A.M

Venue: D Block Conference Hall

Chief Patrons	Patron	Convenors	Organizing Committee
Er. D. Maninathan	Dr. R. Banumathy	Mrs. G. Vinu Priya	Dr. N. Nithyapriya
Secretary	Principal	HOD, Maths	Assistant Professor
Dr. T. Sivakumar		Dr. M. Kasthuri	Dr. M. Devi
President		Assistant Professor	Assistant Professor

All are cordially invited

Management, Principal, Staff and Students, DKMC

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Program Objectives:

- To Understand the Role of Technology in Decision Making
- To Highlight Key Technological Tools and Techniques
- To Examine Real-life Applications

Program Outcomes:

- Participants gained insights into how technological advancements shape decision-making processes in various aspects of life.
- Attendees learned to apply technology-driven tools such as data analytics, artificial intelligence, and decision support systems to enhance their decision-making abilities.

REPORT

The Department of Mathematics organized a webinar on, “The Impact of Technology on Personal and Professional Decision Making” on 15.10.2024. The program started with silent prayer at 11.30 a.m. in D Block Conference Hall. Mrs. G. Vinu Priya, Assistant Professor and Head, Department of Mathematics welcomed the gathering. Dr. M. Kasthuri, Assistant Professor of Mathematics introduced the Resource person.

Technology has become a cornerstone of modern society, influencing both personal and professional decision-making processes. It has revolutionized decision-making across industries, particularly in operations research (OR), which involves applying analytical methods to improve decision-making. In the professional realm, technology significantly enhances decision-making processes in OR by providing more precise, data-driven insights and enabling the optimization of resources, processes, and systems. Similarly, technology has transformed personal decision-making through tools and platforms that offer access to vast amounts of information and real-time data.

The guest speaker for the session was Dr. A. Akilbasha, Assistant Professor, Department of Mathematics & Statistics, Dr. Viswanath Karad MIT World Peace University, Pune. He addressed the students on “The Impact of Technology on Personal and Professional Decision Making”. Dr. Akilbasha provided an explanation on the use of transportation and assignment problems in optimization techniques. He also discussed OR models, particularly those applied in logistics and transportation, such as bottleneck problems. For example, he explained how

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these models are used in navigation apps to provide users with optimized travel routes based on real-time traffic data, weather conditions, and other factors.

Ms. G. Kanishka, Student Secretary of II B.Sc. Mathematics, served as the Master of Ceremony, and Dr. M. Devi, Assistant Professor of Mathematics proposed the vote of thanks. Around 138 students of B.Sc. participated in this guest lecture. The meeting concluded with the National Anthem.

PHOTOGRAPHIC EVIDENCE

The screenshot shows a Google Meet interface during a presentation. The main slide is titled "Preliminaries" and contains the following text:

1.1 Transportation problem with equality constraints

(P) Minimize $Z = \sum_{i=1}^m \sum_{j=1}^n c_{ij}x_{ij}$

Subject to

$$\sum_{j=1}^n x_{ij} = a_i, \quad i = 1, 2, \dots, m \quad (1.1)$$
$$\sum_{i=1}^m x_{ij} = b_j, \quad j = 1, 2, \dots, n \quad (1.2)$$
$$x_{ij} \geq 0, \text{ for all } i \text{ and } j \text{ and integers} \quad (1.3)$$

At the bottom of the slide, there is a logo for MIT World Peace University and the text "The Impact of Technology on Personal and Professional Decision Making 12".

The Meet interface shows the presenter as Dr. A. Akilbasha. A list of participants is visible on the right, including MATHS DKMCA (Meeting host), Nivetha K, Prithikasri Prithikasri, Priya Dharshini, RAMYA M, Ramya r, Sathya Sathya, Sujeetha JV, and Vinu Priya G. The bottom of the screen shows the Windows taskbar with the time 11:48 AM and date 15-10-2024.

Special talk given by Dr. A. Akilbasha, Assistant Professor, Department of Mathematics and Statistics, Dr. Viswanath Karad MIT World Peace University, Pune.

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Participants who were attended the webinar conducted on 15.10.2024