



Gujarat Technological University

(Accredited with A+ Grade by NAAC)

Graduate school of Management Studies

Report on Expert Session on "PERT & CPM Techniques"

- 1) Title of Event: "PERT & CPM Techniques" – Global Operation Management
- 2) Type of Event: Expert Session
- 3) Date, Time of the Event:
Date: 8th May, 2024
Time: 02:00 PM to 04:00 PM
- 4) Description of Event (Objective/Rationale to organize the event):
The expert session on Project Management, PERT (Program Evaluation and Review Technique), and CPM (Critical Path Method) techniques was conducted to enhance understanding and proficiency in managing complex projects. The session aimed to provide participants with comprehensive knowledge of project planning, scheduling, and control methodologies. This report encapsulates the key insights and outcomes of the session.

Introduction:

Project Management, PERT, and CPM techniques play a vital role in ensuring the successful execution of projects within specified constraints of time, cost, and quality. This expert session was organized to delve into the intricacies of these methodologies and equip participants with practical tools and strategies to effectively manage projects.



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Session Overview:

The expert session commenced with an overview of Project Management principles, emphasizing the importance of defining project scope, objectives, and deliverables. The facilitator elucidated the key components of project planning, including Work Breakdown Structure (WBS), scheduling techniques, resource allocation, and risk management.

PERT & CPM Techniques:

The session then delved into PERT and CPM techniques, which are widely used for scheduling and controlling project activities. Participants were introduced to the concept of network diagrams, including activity-on-node (AON) and activity-on-arrow (AOA) representations. The facilitator elucidated the steps involved in constructing network diagrams, identifying critical paths, and calculating project duration.

Key Learnings:

Project Planning: Participants gained insights into the importance of thorough project planning, including defining project scope, setting realistic objectives, and establishing clear milestones.

Network Analysis: Through practical examples and exercises, participants learned how to develop network diagrams, identify critical activities, and calculate project duration using PERT and CPM techniques.

Resource Management: The session highlighted the significance of resource allocation and optimization to ensure project success. Participants learned strategies for effective resource utilization and allocation.



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Risk Management: The facilitator underscored the importance of proactive risk management in mitigating project uncertainties. Participants learned how to identify, assess, and mitigate project risks through risk analysis techniques.

Conclusion:

The expert session on Project Management, PERT, and CPM techniques proved to be highly informative and beneficial for participants. It equipped them with practical tools and strategies to enhance their project management skills and effectively handle complex projects. Moving forward, participants are encouraged to apply the knowledge gained from the session to real-world project scenarios to drive success and achieve project objectives.

5) Number of Participants: 50

6) Photographs of the Event:





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7) Brochure or Flyer of the Event:



Graduate School of Management Studies (GSMS)
Gujarat Technological University (GTU)
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Expert Session

on

Advanced PERT & CPM Techniques



Eminent Speaker

Dr. Ruma Pal
Assistant Professor,
Indukaka Ipcowala Institute of
Management, Charusat

Date: 8th May, 2024 (Wednesday)
Time: 02:00 PM Onwards
Venue: GSMS, Academic Block-4

Invitee
Dr. Pankajay Patel
Director - GSMS

Coordinator
Dr. Pulkit Trivedi
Asst. Prof. - GSMS

Locate us @ : GSMS, Academic Block-4, GTU Campus, Visat Gandhinagar Highway, Chandkheda, Ahmedabad Gujarat

→  @gmsgtu ←



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Feedback of the Event:

Students appreciated the depth and breadth of topics covered during the session. They found the discussions on PERT & CPM to be particularly informative and relevant to their studies and future careers.

Report Prepared By:

Dr. Pulkit Trivedi, Assistant Professor, GSMS