



**NITTTR
BHOPAL**



SS-2/2024-2025

ToT Program for Workshop Instructor

01-07-2024 to 05-07-2024

NITTTR Bhopal

<https://erp.nitttrbpl.ac.in/poc2024/?id=regSS-2>



Rationale

Engineering workshops and laboratories are the backbone of engineering education, providing learners with practical experience and hands-on skills needed for their future careers. Effective management of these facilities is crucial to ensure safety, efficiency and the highest quality of education. Workshop superintendents and Instructors can play a vital role in maintaining and managing these workshop and laboratory resources, ensuring that they are well-equipped, organized and effectively utilized. In view of these, a training program on management of engineering workshop and laboratory is necessary for technical teachers and workshop superintendents, workshop instructors and technical staff in engineering colleges and polytechnics. Through such TOT training programme, institutions can create a well-organized, resource-efficient and innovative learning environment.

Programme Outcomes

- Know and recognize the functions of Workshop Instructor / Technical Staff
- Understand domains of learning
- Understand the importance of Laboratory based instructions
- Appreciate the Demonstration method of instruction.
- Prepare a skill demonstration plan.
- Develop Skills and strategies to organize laboratory activities effectively.
- Evolve strategies to carry out the maintenance works
- Understand the safe practices.

Programme Content

Roles and responsibilities of WS, WI, technical staff, management of academic activities, domains of learning, lab/ws based instructions, optimal use of resources, including equipment, materials, and space, ways to enhance the quality of education by providing students with tools, equipment and machineries, maintenance strategies, proper handling of equipment to prevent breakdowns and extend the lifespan of machineries. Cost effective management practices and improving procurement processes. Safety norms and safe practices in the workshop

Target Group

Technical staff

Coordinator & Co-Faculty

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