BHUJBAL KNOWLEDGE CITY Mumbai Educational Trust	**MET's Institute of Technology (Polytechnic), Nashik** **Department of Information Technology (Inst. Code: 0776)** **(NBA Accredited Programme)** www.metbhujbalknowledgecity.ac.in

AY: 2025-26

Name of Activity	Skill Building Workshop on Electronic Circuits
Academic Year	2025–2026
Department	Department of Information Technology
Institute	MET's Institute of Technology Polytechnic, Nashik
Date & Time	16/02/2026, 8:00 AM to 3:30 PM
Venue	Digital Electronics Lab (213)
Resource Person	Mr. P.D. Sonawane (Autotech)
Number of Students	63
Name of Coordinator	Mrs. Anumeha Lal | Mr. C.S. Mogare

Objectives of the Workshop :

- To introduce students to the fundamental concepts of electronics and circuit design.
- To enhance practical skills through hands-on experiments and activities.
- To provide an understanding of real-world applications of electronics in IT and related fields.
- To encourage active participation and promote interactive learning among students.

Applicable Programme Outcomes (POs) :

PO No.	POs	Reason
PO1	Engineering Knowledge	Applies fundamental engineering and electronic concepts to understand circuit operation.
PO2	Problem Analysis	Develops the ability to observe circuit behaviour and identify basic circuit-related problems.
PO3	Design / Development of Solutions	Introduces students to electronic circuit design and construction.
PO5	Engineering Tool Usage	Provides practical exposure to electronic components and laboratory equipment.

PO8	Individual and Collaborative Team Work	Encourages active participation and collaborative learning during practical activities.
PO11	Life-Long Learning	Develops interest in learning electronic concepts and exploring their technological applications.

Applicable Programme Educational Objectives (PEOs) :

PEO No	PEO	Reason
PEO I	Knowledge & Career Growth	Enhances technical knowledge and encourages continuous learning for professional growth.
PEO II	Software & Hardware Skills	Develops practical understanding of hardware components and their applications.
PEO III	Design & Programming Skills	Supports the development of technical skills relevant to electronic systems and circuit-related applications.

Applicable PSO's :

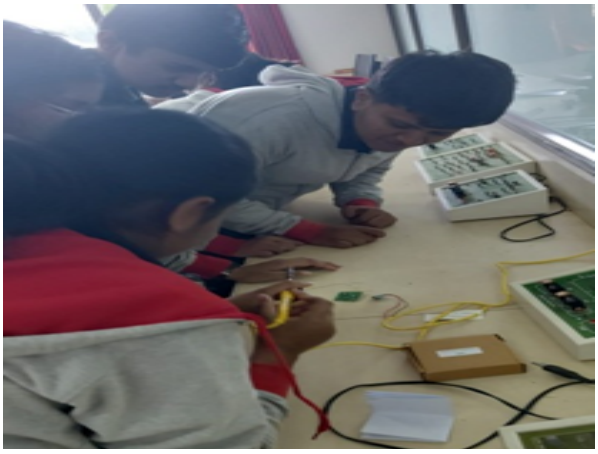
PSO No.	PSOs
PS01	**Modern Information Technology:** Helps students understand the role of electronic circuits and hardware in modern IT systems.
PSO2	**Information Technology Process:** Creates awareness of the electronic hardware infrastructure supporting information technology systems.

Topics Covered	Activities Conducted	Learning Outcomes
Fundamentals of Electronics	Introduction to basic electronic concepts and circuit components.	Students understood the basic principles of electronics.
Electronic Components	Familiarization with commonly used electronic components and their functions.	Students identified electronic components and understood their applications.

Real-World Applications of Electronics	Discussion on applications of electronic circuits in IT and related fields.	Students understood the relevance of electronics in modern technology.
Practical Problem-Solving	Interactive learning and practical activities related to circuit functioning.	Students improved their ability to observe and understand circuit behaviour.









Ms. V.R.Patil
Prepared By

Mrs. Anumeha Lal | Mr. C.S. Mogare
Name of Co-Ordinator

Mr.S.B.Patil
HOD

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Information Technology Student Association (ITSA)

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Electronic Circuits

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Topics to be Covered

- **Fundamentals of Electronics**
- **Electronic Components**
- **Real-World Applications of Electronics**
- **Practical Problem-Solving**

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