



# **SNS COLLEGE OF TECHNOLOGY**

**(An Autonomous Institution)**



## **UNIT-III- Temporary installations**



# UNIT -III



Wiring and fitting – Domestic appliances – water tap giving shock – shock from wet wall – fan firing shock – multi-storied building – Temporary installations – Agricultural pump installation – Do's and Don'ts for safety in the use of domestic electrical appliances.



# Temporary installations

safety measures for temporary electrical installations:

## **1. Compliance with Regulations:**

- Ensure that the temporary installation complies with local electrical codes, standards, and regulations. Adhere to national and international standards for electrical installations.

## **2. Qualified Personnel:**

- Hire qualified electricians or electrical contractors experienced in temporary installations. They should be aware of the specific safety requirements for temporary setups.

## **3. Proper Wiring and Insulation:**

- Use appropriate wiring and cables designed for temporary installations.
- Insulate all wires properly to prevent electric shocks and short circuits



# Temporary installations



## **4. Grounding:**

- Implement proper grounding to prevent electrical faults. Ground all portable and temporary equipment.
- Ground-fault circuit interrupters (GFCIs) should be used to protect personnel from electric shock hazards.

## **5. Overcurrent Protection:**

- Install overcurrent protection devices (circuit breakers, fuses) to prevent overloading of circuits.
- Regularly check the load on circuits to ensure they are not overloaded.

## **6. Weather Protection:**

- Protect temporary installations from weather conditions, especially moisture. Use weatherproof enclosures for outlets, switches, and other electrical equipment.



# Temporary installations



## **7. Inspection and Maintenance:**

- Regularly inspect all electrical components for signs of wear, damage, or overheating.
- Maintain a log of inspections and repairs, including dates and details of the work done.

## **8. Proper Use of Equipment:**

- Educate personnel about the proper use of electrical equipment.
- Avoid daisy-chaining (connecting multiple devices in series) to prevent overloading of outlets.

## **9. Emergency Procedures:**

- Establish clear emergency procedures in case of electrical accidents.
- Keep fire extinguishers and first-aid kits readily available.



# Temporary installations



## **10. Training and Awareness:**

- Train workers and event staff about electrical safety practices and procedures.
- Display safety signs and warnings in relevant areas.

## **11. Documentation:**

- Maintain documentation of the temporary installation, including the layout, load calculations, and safety measures implemented.

## **12. Dismantling Procedures:**

- Follow proper procedures when dismantling the temporary installation to avoid damage to electrical components and ensure safe removal.





# THANK YOU