



SHREE VENKATESHWARA HI-TECH ENGINEERING COLLEGE

Gobichettipalayam – 638 455, Erode, Tamil Nadu

**DEPARTMENT OF CIVIL ENGINEERING**

**LABORATORIES MAINTENANCE AND OVERALL AMBIANCE**

**MAINTENANCE OF LABORATORY EQUIPMENTS:**

- Regular maintenance of equipment is carried out at the end of every semester.
- As per the requirement minor repairs are carried out by the lab assistant of faculty member.
- Major repairs are outsourced by the procedure of the institute.
- Maintenance of department computers is taken care by the help of Computer Operator of this institute itself.

**OVERALL AMBIENCE:**

- All laboratories are equipped with modern equipments to meet the requirement of Curriculum.
- Laboratory manuals are prepared and are available in soft and hard copy.
- Laboratories kept open beyond office hours as per the need.
- All laboratories have sufficient natural light, good ventilation with tubes and fan arrangement.
- Overall ambience of laboratory is good.

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Shree Venkateshwara  
Hi - Tech Engineering College  
Othakuthirai Gobichettipalayam (Po)  
Erode - 638 455. Erode (Dt). TN

*[Signature]*  
06/07/2022

PRINCIPAL

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Shree Venkateshwara Hi-Tech Engineering College,  
Othakuthirai, Gobichettipalayam,  
Erode District-638 455. TN.



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Gobichettipalayam – 638 455, Erode, Tamil Nadu

## DEPARTMENT OF CIVIL ENGINEERING

### LABORATORY MAINTENANCE

#### NAME OF THE LAB: FLUID MECHANICS LABORATORY

1. Machines and equipment are maintained to have good quality working condition at all the time.
2. The top and bottom delivery storage tank is coated with water sealant in order to avoid corrosion.
3. Oils are boosted up and changed periodically for Gear Oil Pump.
4. All electrical equipment's and installations are checked at start of semester
5. All mechanical & electrical machines are inspected at start & mid semester
6. Periodic maintenance practice is followed to ensure laboratory working condition in good and same has recorded in maintenance register.
7. Ensured to have Proper Flooring, lighting and ventilation provided for easy working.
8. Every equipment is properly drained once after the students completed their practical work.
9. Stop watch is checked periodically for its effective usage.
10. As per the requirement, repairs are carried out by the lab instructors or faculty members. These services are done with the approval of Principal.
11. After service, the work completion statement and bills are submitted to the AO Office.
12. Annual stock verification is done at the end of academic year for maintaining the laboratory in a good working condition.
13. Each and every equipment is checked properly in order to ensure the cracks and the flow of water through the pipes.

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## DEPARTMENT OF CIVIL ENGINEERING

### LABORATORY MAINTENANCE

#### NAME OF THE LAB: SOIL MECHANICS LABORATORY

1. Clean the equipment thoroughly with soap and water for basic cleaning. It may need to use a wire brush to remove some residue. Rinse with purified water to ensure that all soap residues is removed.
2. Soil samples are cleaned from instruments All electrical equipment's and installations are checked at start of semester
3. All mechanical & electrical machines are inspected at start & mid semester
4. Periodic maintenance practice is followed to ensure laboratory working condition in good and same has recorded in maintenance register.
5. Ensured to have Proper Flooring, lighting and ventilation provided for easy working.
6. Machines and equipment are maintained to have good quality working condition at all the time.
7. As per the requirement, repairs are carried out by the lab instructors or faculty members. These services are done with the approval of Principal.
8. After service, the work completion statement and bills are submitted to the AO Office.
9. Annual stock verification is done at the end of academic year for maintaining the laboratory in a good working condition.
10. Calibration is done every academic year

  
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**DEPARTMENT OF CIVIL ENGINEERING**

**LABORATORY MAINTENANCE**

**NAME OF THE LAB: STRENGTH OF MATERIAL LABORATORY**

1. All electrical equipment's and installations are checked at start of semester
2. All mechanical & electrical machines are inspected at start middle of semester.
3. All calibrate equipments are calibrated in yearly once especially like UTM, CTM, Hardness Equipments etc.,
4. Periodic maintenance practice is followed to ensure laboratory working condition in good and same has recorded in maintenance register.
5. The oil is refilled periodically for UTM and CTM equipments.
6. Ensured to have Proper Flooring, lighting and ventilation provided for easy working.
7. Machines and equipment are maintained to have good quality working condition at all the time.
8. As per the requirement, repairs are carried out by the lab instructors or faculty members. These services are done with the approval of Principal.
9. After service, the work completion statement and bills are submitted to the AO Office.
10. Annual stock verification is done at the end of academic year for maintaining the laboratory in a good working condition.

  
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## DEPARTMENT OF CIVIL ENGINEERING

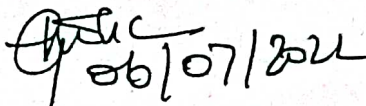
### LABORATORY MAINTENANCE

#### NAME OF THE LAB: SURVEYING LABORATORY

1. Periodic maintenance practice is followed to ensure laboratory working condition in good and same has recorded in maintenance register.
2. Proper Maintenance of Fire extinguishers are performed periodically and refilling is done after expiry date.
3. The proper working of all the equipment is checked in all the laboratories with the help of the lab assistants and corrective measures are carried out
4. Ensured to have Proper Flooring, lighting and ventilation provided for easy working.
5. Equipment is maintained to have good quality working condition at all the time.
6. Calibration of surveying instruments is done periodically.
7. Instrument stands are check annually and repairs are done
8. As per the requirement, repairs are carried out by the lab instructors or faculty members. These services are done with the approval of Principal.
9. After service, the work completion statement and bills are submitted to the AO Office.
10. Annual stock verification is done at the end of academic year for maintaining the laboratory in a good working condition.

  
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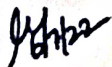
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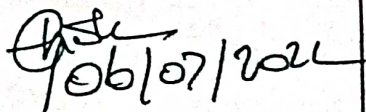
**LABORATORY MAINTENANCE**

**NAME OF THE LAB: ENVIRONMENTAL & ENGINEERING LABORATORY**

1. All electrical appliance and installations are checked at start of semester
2. Periodic maintenance practice is followed to ensure laboratory working condition in good and same has recorded in maintenance register.
3. Proper Maintenance of Fire extinguishers are performed periodically and refilling is done after expiry date.
4. Ensured to have Proper Flooring, lighting and ventilation provided for easy working.
5. Calibration of the Equipments are done periodically
6. Equipment are maintained to have good quality working condition at all the time.
7. Periodic verification of Chemicals should be done to identify the quality.
8. Assure the Glassware conditions periodically.
9. As per the requirement, repairs are carried out by the lab instructors or faculty members. These services are done with the approval of Principal.
10. After service, the work completion statement and bills are submitted to the AO Office.
11. Annual stock verification is done at the end of academic year for maintaining the laboratory in a good working condition.

  
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## DEPARTMENT OF CIVIL ENGINEERING

### LABORATORY MAINTENANCE

#### NAME OF THE LAB: CONCRETE AND HIGHWAY LAB

1. All electrical equipment's and installations are checked at start of semester
2. All mechanical & electrical machines are inspected at start and mid of semester
3. Periodic maintenance practice is followed to ensure laboratory working condition and same has recorded in maintenance register.
4. Ensured to have Proper Flooring, lighting and ventilation provided for easy working.
5. Machines and equipment are calibrated to have good quality working condition at all the time.
6. As per the requirement, repairs are carried out with the approval of Principal.
7. After service, the work completion statement and bills are submitted to the AO Office.
8. Annual stock verification is done at the end of academic year for maintaining the laboratory in a good working condition.
9. Concrete moulds are maintained by applying oil after its usage.
10. Bitumen testing equipments are maintained by applying kerosene after usage.
11. For Ductility testing machine and water bath apparatus water is refilled periodically.

  
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**Strength of Materials Laboratory**



**Fluid Mechanics Laboratory**





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**Surveying Laboratory**