

TELANGANA STATE POLLUTION CONTROL BOARD

POLICY/GUIDELINES FOR INTERNSHIP

IN THE FIELD OF

ENVIRONMENTAL POLLUTION ASSESMENT & CONTROL.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYS 433

LECTURE 10: QUANTUM MECHANICS

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POLICY / GUIDELINES FOR INTERNSHIP PROGRAMME IN THE FIELD OF ENVIRONMENTAL POLLUTION ASSESMENT & CONTROL IN TSPCB.

TELANGANA STATE POLLUTION CONTROL BOARD is statutory body in the **Telangana state for the prevention and control of pollution.** The Board is a multidisciplinary organization having a NABL accredited laboratory with the mandate to support the pollution assessment, monitoring and control programs in the state, extends its expertise to provide great opportunities for research and impart training to students / fellows from academic institutions in order to encourage skill development & the growth of scientific / technological research in the state in the field of environmental pollution assessment control.

Salient Features:

- Flexible duration of 3 to 6 months for B.Tech. / M.Tech.& B.Sc/ M.Sc. students / Ph.D. Scholar with practical demo / hands on training in the relevant field.
- Internship covering all environmental aspects including monitoring, assessment & control of pollution.
- Field visits / Laboratory / Hands-on Training Demo
- Preparation / submission of project report & presentation.

Who can apply

Students either pursuing Graduate or Post-Graduate degree or completed in the current year in the following:

1. B.E. / B.Tech. / M. Tech in Engineering in the discipline of:

- Environmental Engineering
- Chemical Engineering
- Mechanical Engineering
- Civil Engineering
- Information Technology
- Electronics and communication Engineering

2. B. Sc / M. Sc / Ph. D in the discipline of:

- a. Chemistry (Organic, Inorganic, Analytical & Industrial)
- b. Bio-Technology

Reputed Institutes like IITs /BIT/NITs and reputed Universities will be given priority.

Duration/Period:

Three to Six Months

Selection Criteria:

The minimum requirements are:

- Student should be in the Final year of study of Graduation in Engineering or Final year of MSc. / M.Tech. or completed the course in the current year.
- Have an excellent academic record.
- Be well conversant in Telugu & English.
- Be potentially interested in training and career.
- Students may give priority areas for proposed Internship, however they will be considered as per the requirement of the Board.
- There will be one Senior level officer for over all Co-ordination in TSPCB , interaction with various divisions, institutions and placement of trainees with scientists / engineers concerned, assessment & awarding certificates to successful students.
- Mere applying for Internship in does not entitle incumbents a compulsory for inducting into Internship in TSPCB. Selection will be based on Merit and as per discretion of TSPCB. The selected student will be intimated through the concerned institutions.

Stipend:

Stipend of Rs.20,000/- per month will be paid to the selected student.

Accommodation/TA/DA:

No Accommodation/TA/DA will be provided to the students. They have to make their own arrangement for stay during Internship period. **However, Rs.5,000/- per month towards re-imburement of conveyance charges for the students allotted with field work.**

Faculty Mentors:

If more than five students are nominated by any institution it will be required to nominate one faculty member to serve as mentor for the batch of interns. Mentors, who volunteer their time, are chosen for their excellence in research and scholarly work and their commitment to research by the respective institution. The mentor has to interact with the students as well as with the TSPCB coordinator from time to time.

Discipline & Attendance:

The selected students are required to maintain discipline and put up 80-85% attendance apart from submission of the training report for payment of Stipend amount and awarding the certificate of Internship by the Board.

How to Apply:

The application for Internship need to be forwarded/ recommended by the concerned authorities / head of the department concerned / Principal of the Institution along with Bio data of the applicant. No application will be considered after the last date of submission.

Correspondence Address:

The Member Secretary,
Telangana State Pollution Control Board
A-3, IE Sanathnagar, Hyderabad. 500044

Important Dates:

Request / Application received up to (Complete in all respects along with Bio-data and area of interest.)	30 th June, 2020
Compilation /Screening of Applications and Approval	15 th July 2020.
Final Offer Letter from TSPCB	2 nd week of July 2020.
Commencement of Internship	4 th week of July 2020.

Tentative Proposed Area of Internship:

1. Sources of Air pollution and control systems (APCS). Evaluation of efficiency APCS.
2. Sources of Water pollution and control systems. (WPCS). Evaluation of efficiency WPCS.
3. Evaluation of Zero Liquid Discharge systems for treatment and utilization of treated waste water.
4. E-waste waste generation, handling, treatment and disposal.
5. Bio-medical waste generation, handling, treatment and disposal.
6. Hazardous waste generation, handling, treatment and disposal.
7. Solid waste, C& D waste generation, handling, treatment and disposal.
8. Plastic waste generation, recycling / disposal.
9. Batteries waste generation, handling, recycling / disposal.
10. Monitoring of water bodies like Rivers, Lakes etc., Trend analysis of pollutants.
11. Air Quality Trend Analysis and Mapping for selected city.
12. Noise Level Status & Contouring for selected city/town/area.
13. Evaluation Study of Sewage treatment plants.
14. Evaluation Study of CETP / ETP plants.
15. Groundwater quality study
16. Quality Assurance in analytical measurements for specific parameters.
17. Air Quality Index (AQI) for rating cities / Status of Non-attainment of AQ in selected city.
18. Any other projects decided by the CEE, TSPCB
