



DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2020-2021/EVEN
INTERNAL STAFF SEMINAR – REPORT

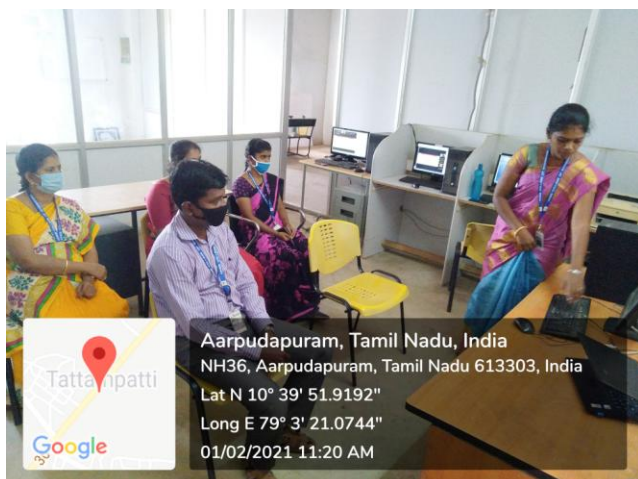
01/02/2021

Background & Objective

Department of Civil Engineering had organized an Internal Seminar for the Department staff members for accessing online journals (SPRINGER). The purpose of this seminar is to equip the faculty in new techniques through accessing online journals.

Seminar Session

A Seminar was held in the Department of Civil Engineering on 14 February, 2021 at 11:00AM. The seminar was presided over by **Ms.R.Revathi, HoD**, Department of Civil Engineering. All the faculties were present in the seminar. **Ms.V.Ishwarya/AP** delivered her seminar talk on "**Internet of Things based Smart Waste Bin Monitoring and Municipal Solid Waste Management System for Smart Cities.**"



Seminar talk by **Mr.V.Ishwarya /AP**

The themes discussed were: Smart Waste Bin Monitoring and MSW for Smart Cities.

The significant contribution of this paper:

- i. The proposed model will provide efficient, real-time and IoT-based garbage collection solutions to municipal solid waste management.
- ii. It will improve environmental quality leading to reduce health issues by delivering scheduled emergency alerts.
- iii. It will reduce the cost and provide an efficient way to use resources.
- iv. It will help in reducing the traffic congestion as well as noise due to the municipal transportation.
- v. It will reduce the man power effort of municipal management by providing effective usage of garbage bins.

Outcome

The Seminar clearly highlighted the smart techniques and method for waste collection, transporting and disposal. Staff Members also got an idea in waste collected through IoT-based system and more effective as compared to traditional methods and in terms of waste-truck route optimization and cost reduction of the system. Based on IoT, the waste will be collected on time that reduces the pollution ratio in the environment in order to save people from many diseases. Finally, discussions were made among faculties on advanced techniques for bin management. Staff members shared their views regarding seminar and gave their feedback