



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

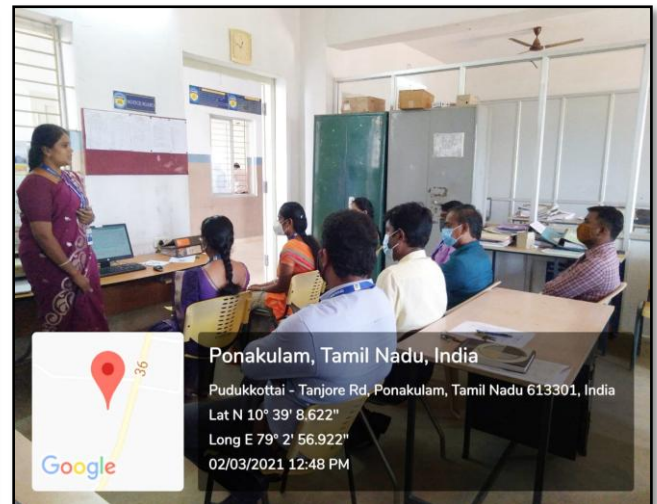
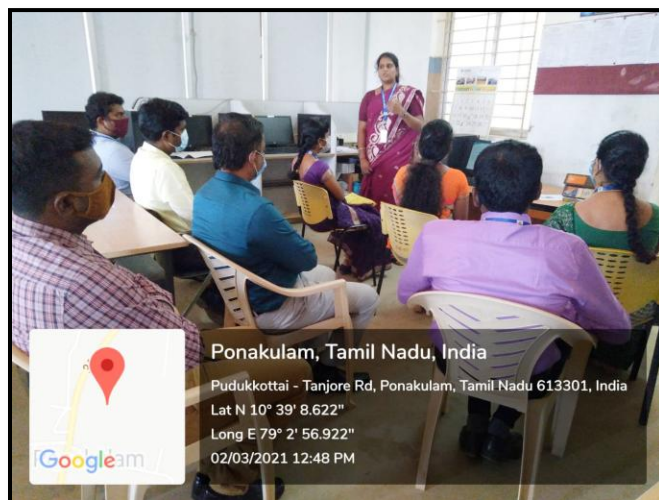
02/03/2021

Background & Objective

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

Seminar Session

A Seminar was held in the Department of Civil Engineering on 2<sup>nd</sup> March, 2021 at 12:45PM. The seminar was presided over by **Ms.R.Revathi, HoD.**, Department of Civil Engineering. All the faculties were present in the seminar. **Ms.D.Shrividhya/AP** delivered her seminar talk on “**Construction and Demolition Waste Management**” - A REVIEW”



**Seminar talk by Ms..D.Shrividhya/AP**

Theme: sustainable C&D waste management is becoming increasingly essential to protect public health and natural ecosystems. This paper proposes a conceptual C&D waste management framework to maximize the 3R (reduce, reuse and recycle) and minimize the disposal of

construction waste by implementing sustainable and comprehensive strategy throughout the lifecycle of construction. In addition, a life cycle based C&D waste sustainability index is developed. This approach can be used to make decisions related to selection of material, sorting, recycle/reuse and treatment or disposal options for C&D waste. waste management systems include waste avoidance and minimization through recycling/reusing, waste to energy options (where possible) and safe disposal and discharge.

**Outcome :**

The Seminar clearly highlighted the reduction and management strategies to minimize the construction and demolition waste. Staff Members also got an idea about the usage of recycled wastes in construction industry like recycled aggregate, timber, bricks, glass plastic, pipes dredging, paints and varnishes etc., This seminar proves to be very effective in such a way that, it highlighted the lifecycle assessment approach. Also this seminar provides the wide scope for managing the construction and demolition wastes into sustainable usage of resources. Finally, discussions were made among faculty members in various re-utilization of recycled construction and demolition wastes again in a construction. Staff members shared their views regarding seminar and gave their valuable feedback.