

2.3.1. STUDENT CENTRIC METHODS

The College provides freedom and facilities to the faculty to develop student-specific, contextual and innovative teaching methodologies using ICT that can maximize the learning outcome. Seminars, problem solving sessions, power point presentations, net based assignments, group discussions, group assignments, quizzes and mini projects are some of methodologies and exercises used to enhance their learning.

Experiential Learning:

Learning by doing is considered one of the best means of arousing intellectual process among the rural, first-generation learners. From 2016 onwards, internship is introduced for all UG programmes. All UG programme students are learning by doing practical in their respective Labs for theory and laboratory concepts. Experiential learning is the process of learning through experience by doing and reflecting. We encourage students to practice various technical and non-technical skills through project development, student seminars, student development programs, workshops, internships, industrial visits and Science day celebration. These activities are planned, conducted and monitored regularly by the faculty to ensure that students are practicing the required skills, reflecting on their experiences and improving their skills.

Participative learning:

In this type of learning, students participate in various activities such as seminar, group discussion, wall papers, projects, and the skill based add on courses. Students are encouraged to participate in activities where they can use their specialized technical or management skills, such as

Regular Quizzes – Quizzes are organized for student participation at intra or inter college level. Seminar Presentation – Students develop technical skills while presenting papers in seminars.

We always strive to enhance the learning experience of learners in class through various interactive and participatory approaches apart from traditional teaching. These approaches aid in creating a feeling of responsibility in learners and makes learning a process of construction of knowledge. In this type of learning, students participate in various activities such as seminar, group discussion, poster presentations, projects, and the skill based add on courses. Students are encouraged to participate in these activities where they can use



their specialized technical or management skills. Students actively participate in a myriad of academic activities like class room seminars on chosen/ assigned topics, home assignments, power point presentations, model preparation. Our institute consists of various club activities like NSS club, Start up and innovation cell Energy club, Fit India club, English Proficiency club, Robotics Club, Renewable Energy Club, Science club to exhibit their team work in communicating the needs and responsibilities to society in an ethical means

Problem-solving methods

Departments encourage students to acquire and develop problem-solving skills. For this, college organizes expert lectures on various topics, motivate students to join certificate courses, participate in various inter-college and intra-college technical fests and other competitions such as:

- Regular Assignments based on problems
- Mini Project development
- Regular Quizzes
- Case studies Discussion
- Class presentations
- Debates
- Participation in Inter college events
- Faculty handling Tutorial classes
- Students handling Tutorial classes
- Aptitude Training and Internship Program



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Experiential Learning

Mini Project

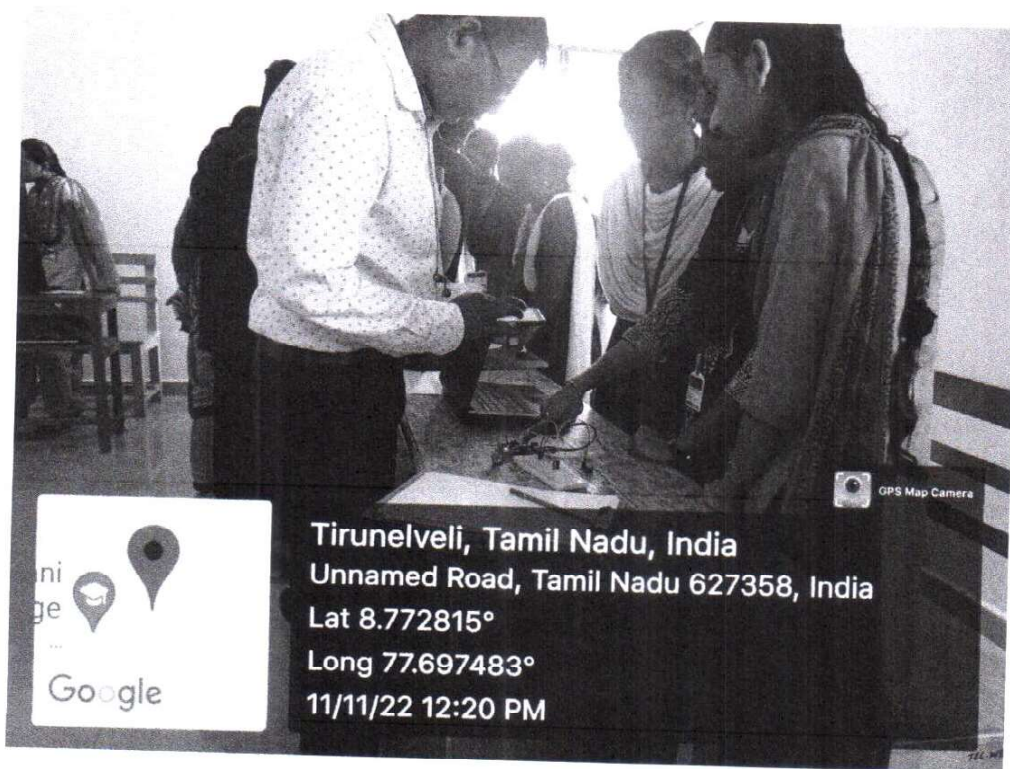


Fig. 1: The students explained about the working principle of their mini project to the experts.

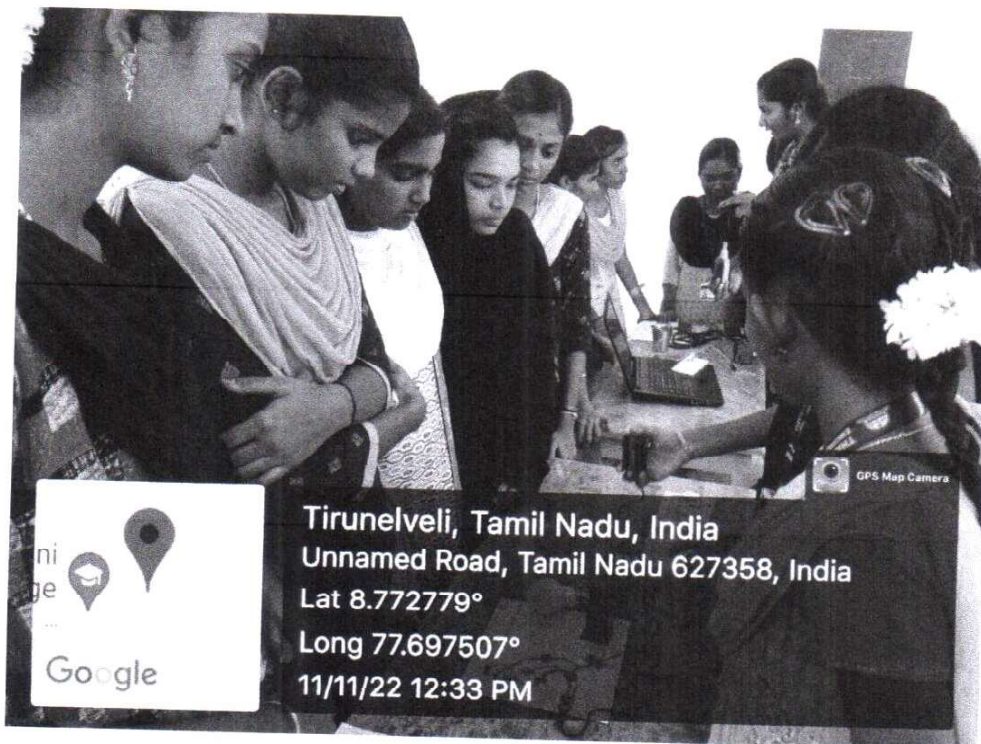


Fig. 2: The students demonstrated their mini project to the fellow students.

PROJECT



**EDGE ARCHITECTURE FOR THE SHARING ECONOMY
IN A SMART CITY**

A PROJECT REPORT

Submitted by

JENEFER M	(953119104302)
SHAHUL N	(953119104308)
SHUNMUGA SELVAN P	(953119104309)
SURESH MANIKANDAN M	(953119104311)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING

THAMIRABHARANI ENGINEERING COLLEGE, TIRUNELVELI

ANNA UNIVERSITY::CHENNAI 600 025

MAY 2023


Principal

**THAMIRABHARANI ENGG COLLEGE,
Tirunelveli, Tamilnadu-627 358**

ANNA UNIVERSITY::CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "EDGE ARCHITECTURE FOR THE SHARING ECONOMY IN A SMART CITY" is the bonafide work of "JENEFER M (953119104302), SHAHUL N (953119104308), SHUNMUGA SELVAN P (953119104309) AND SURESH MANIKANDAN M (953119104311) " who carried out the project work under my supervision.



SIGNATURE

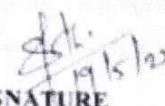
Dr. A. ANNA LAKSHMI, M. E., Ph. D.,

HEAD OF THE DEPARTMENT

Department of Computer Science and Engineering

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Mrs. M. SUGANTHI, M. E., (Ph. D.,)

SUPERVISOR

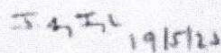
Assistant Professor

Department of Computer Science and Engineering

Thamirabharani Engineering College

Tirunelveli - 627 358

Submitted to Anna University Viva -Voce held on 19-05-2023



INTERNAL EXAMINER



EXTERNAL EXAMINER



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CAMPUS RECRUITMENT MANAGEMENT SYSTEM

A PROJECT REPORT

Submitted by

ARUNKUMAR A	(953119104003)
ESAKKI RAJA E	(953119104010)
HARI PRASATH S	(953119104012)
SHENBAGA RAJ G	(953119104040)

in partial fulfillment for the award of the degree

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BONAFIDE CERTIFICATE

Certified that this project report "CAMPUS RECRUITMENT MANAGEMENT SYSTEM" is the bonafide work of "ARUNKUMAR A (953119104003), ESAKKI RAJA E (953119104010), HARI PRASATH S (953119104012) AND SHENBAGA RAJ G (953119104040)" who carried out the project work under my supervision.


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SUPERVISOR

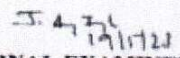
Assistant Professor

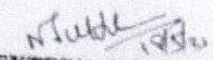
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EXTERNAL EXAMINER

ii



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LAB VISIT

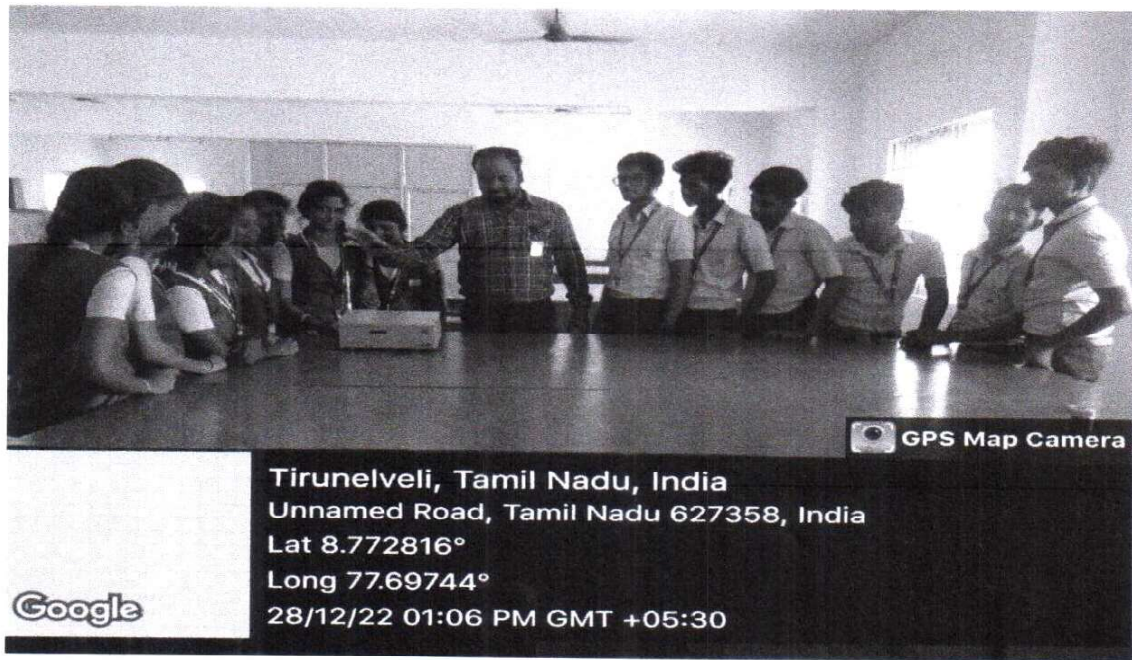


Fig: 1 The staff demonstrated the lab to the fellow students



Fig: 2 The staff demonstrated the lab to the fellow students

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INDUSTRIAL VISIT

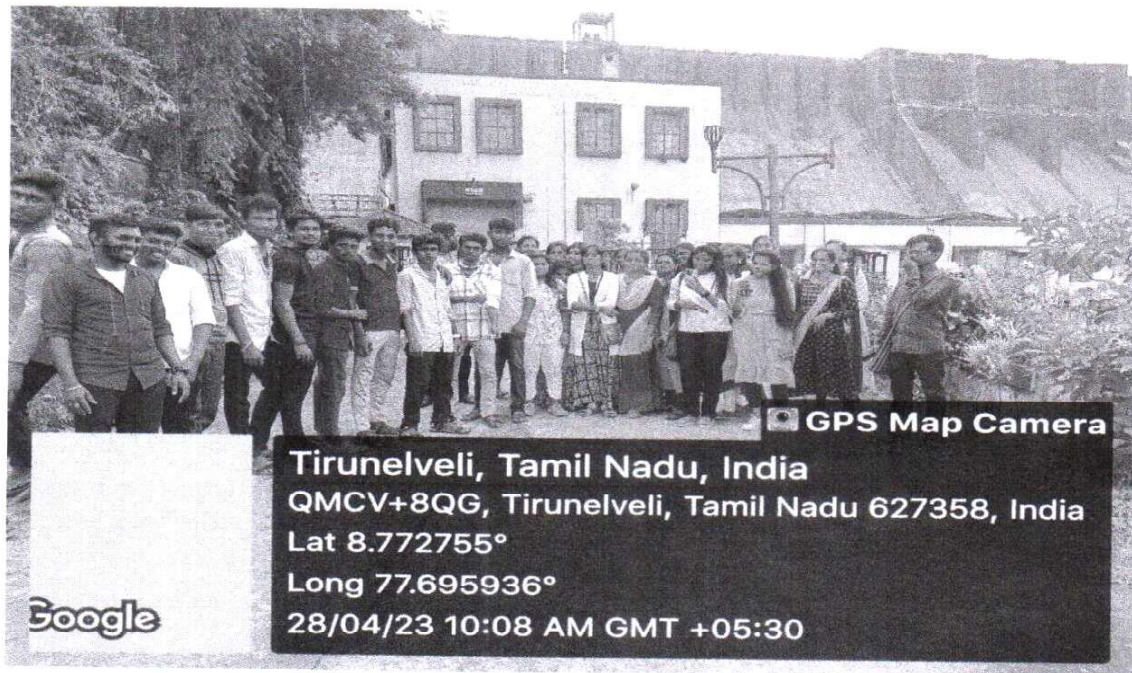


Fig. 1: Industrial visit for kalladat hydroelectric power Kerala state electricity board



Fig. 2: Industrial visit for Tuticorin Harbour

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QUIZ BY STUDENTS

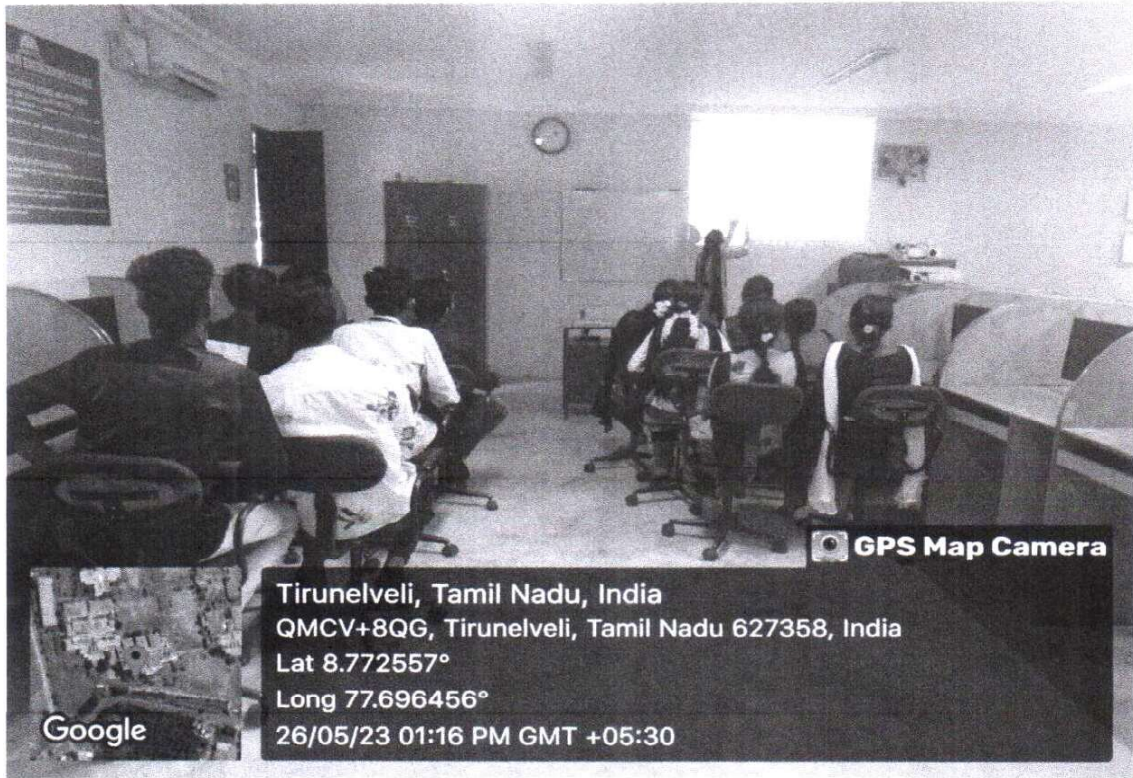


Fig. 1: Students Solving by Aptitude questions

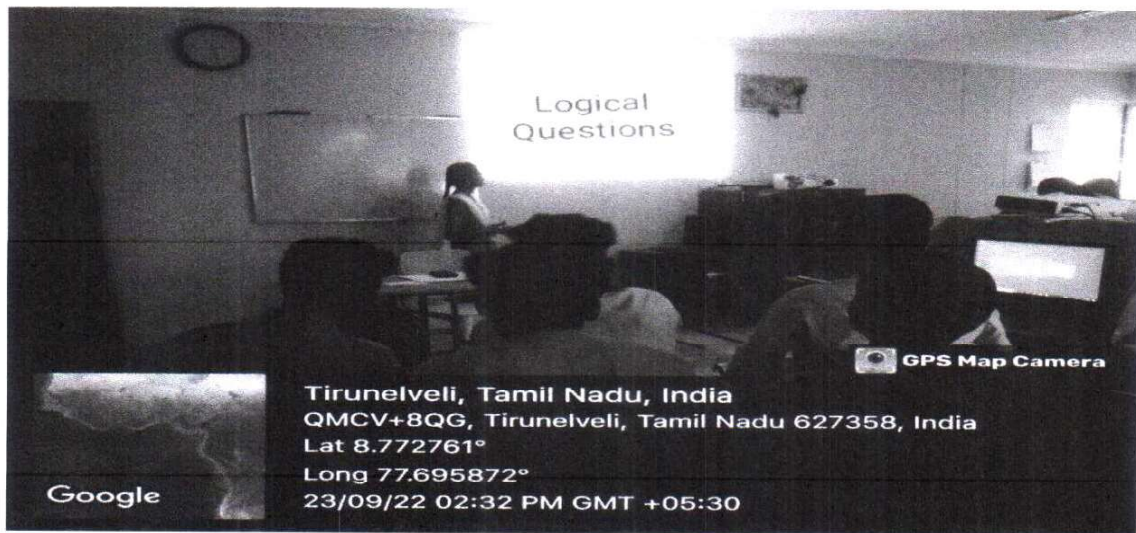


Fig. 2: Students Solving by Logical Questions

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**STUDENT
SOLVING BY
TUTORIAL
PROBLEMS**

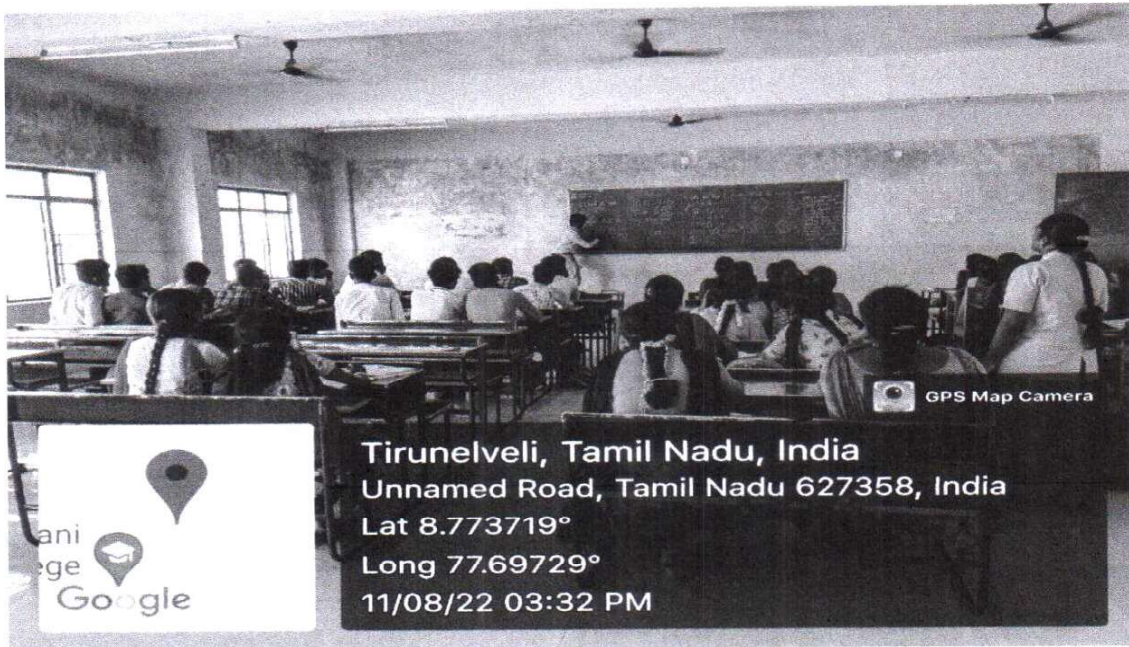


Fig: 1 Students handling Tutorial classes

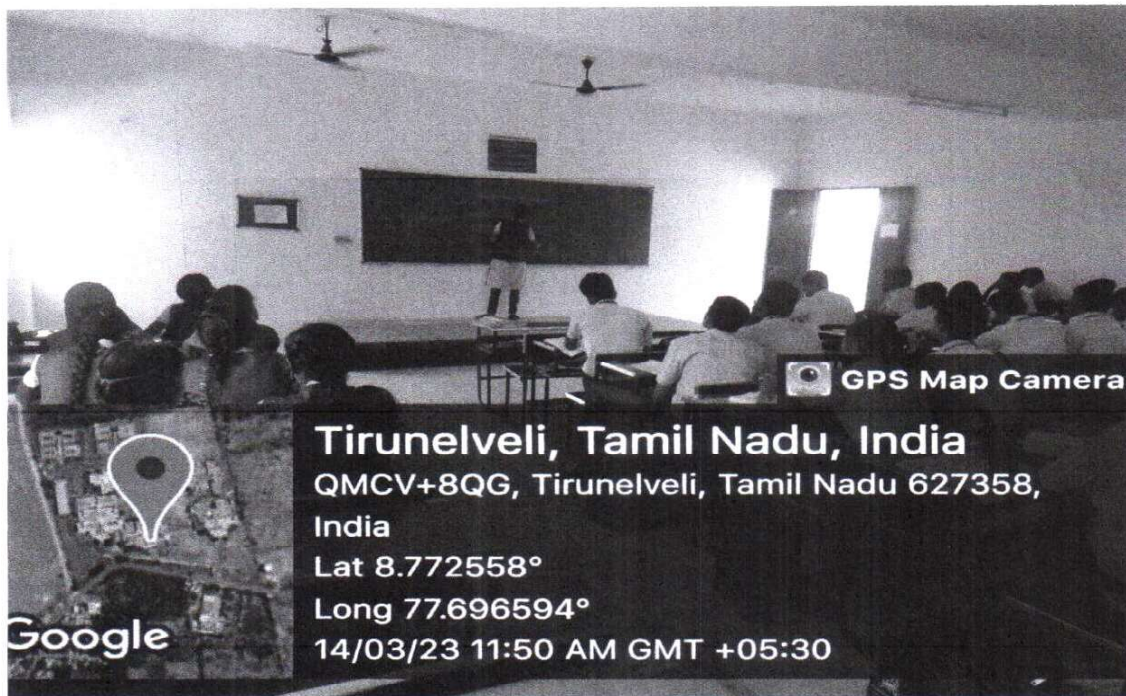


Fig: 2 Students handling Tutorial classes

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**CONFERENCES /
SEMINAR/
WEBINAR
ATTENDED BY
STUDENTS**

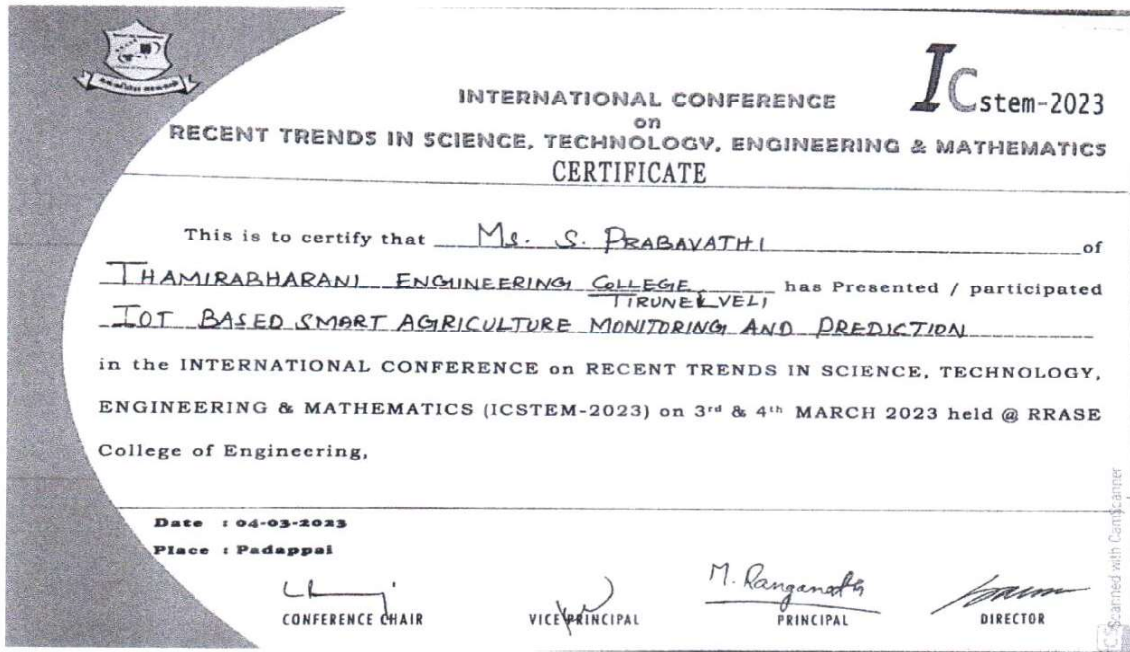


Fig. 1: Students Awarded Certificate

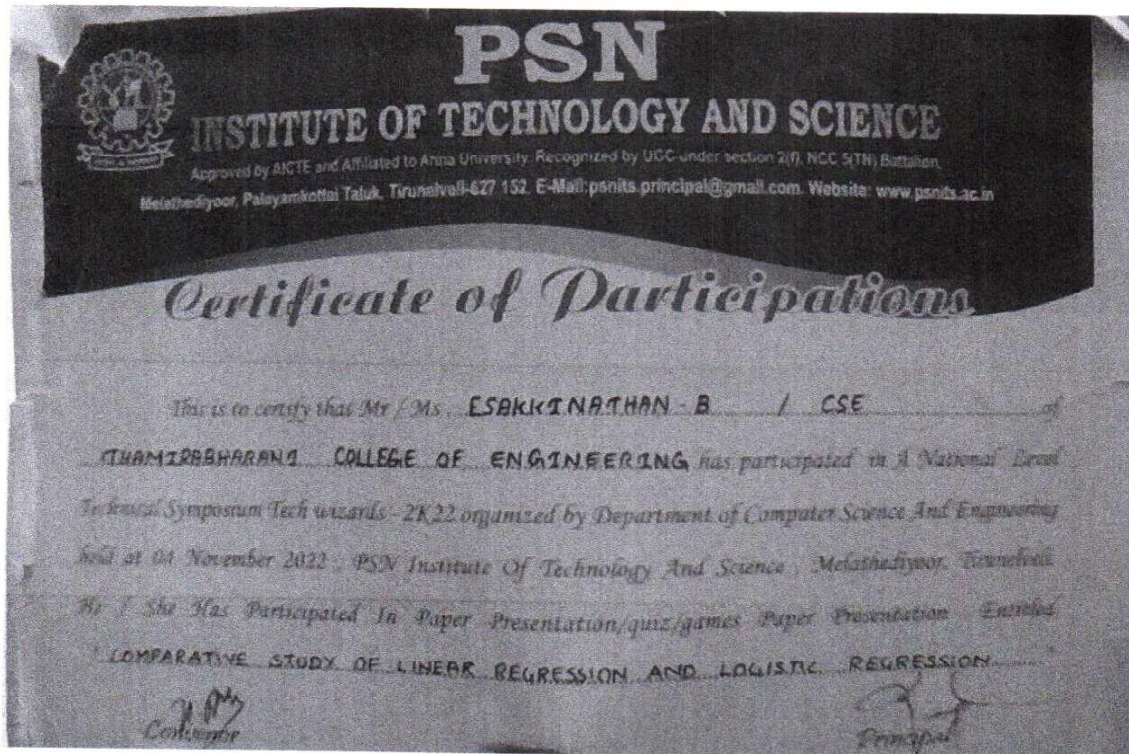


Fig. 2: Students Awarded Certificate

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GROUP DISCUSSION



Fig: 1 Group Discussion on 'Lifestyle for environment'



Fig:2 Faculty handling Group discussion on 'Importance of recycling'

Faculty handling

Tutorial classes

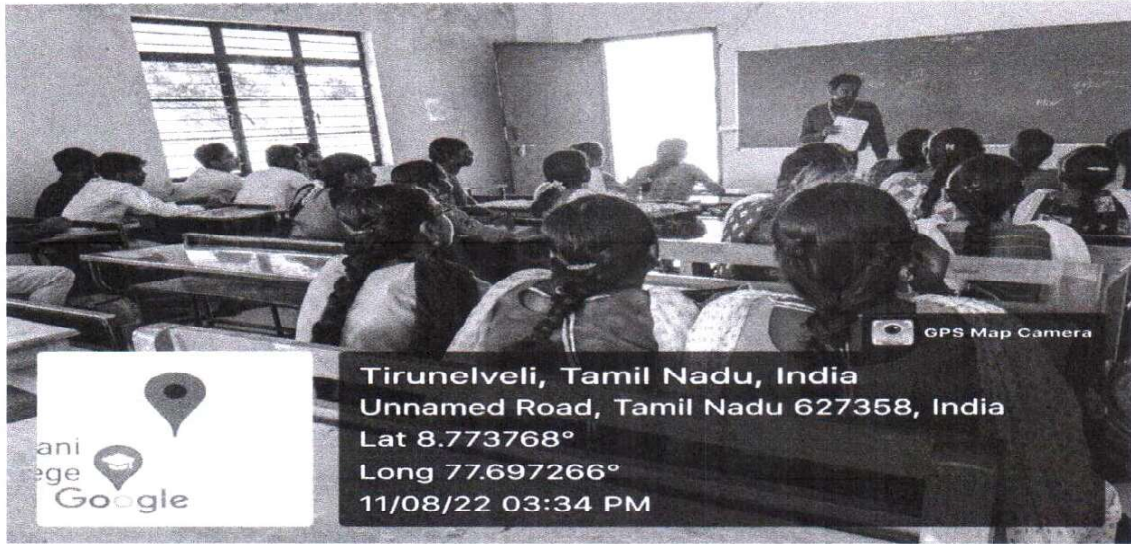


Fig: 1 Faculty handling Tutorial classes

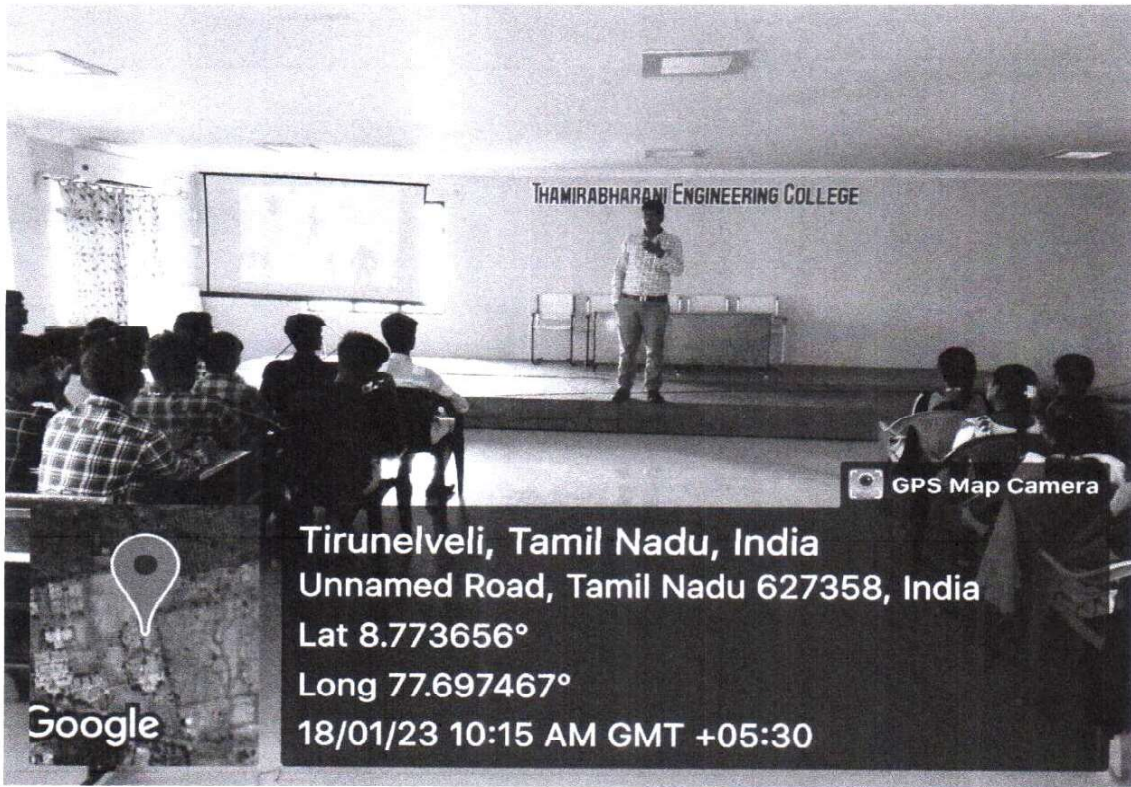


Fig: 2 Faculty handling Tutorial classes

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PLACEMENT TRAINING

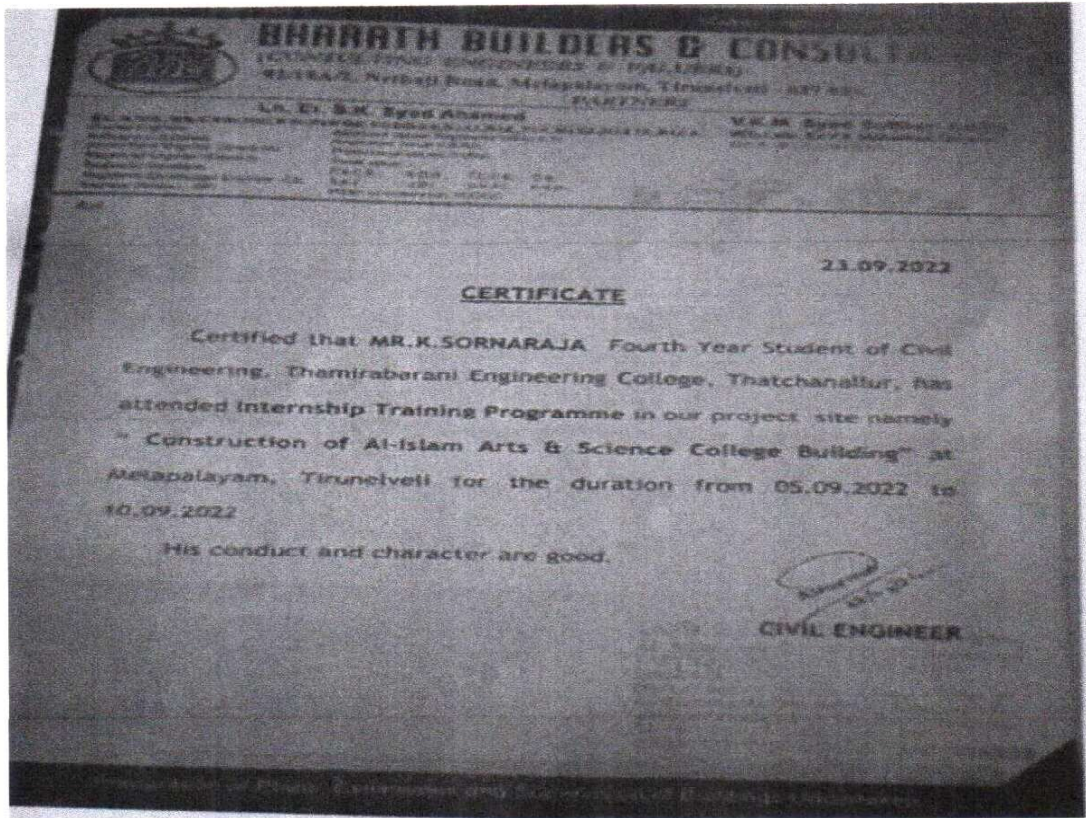


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INTERNSHIP PROGRAM



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BHARATH BUILDERS & CONSULTANTS

REGISTERED ENGINEERS & ARCHITECTS

OFFICE: Nethaji Road, Melapalayam, Tirunelveli - 627 002

PARTNERS

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V.K.M. Syed Sulthan Aaziz

7th Lane St. V.K. Mohamed Ghouse
P.O. 627 002, M.D.C.

23.09.2022

CERTIFICATE

Certified that MR. J. KANAGARAJ Fourth Year Student of Civil Engineering, Thamirabarani Engineering College, Thatchanallur, has attended Internship Training Programme in our project site namely "Construction of Al-Islam Arts & Science College Building" at Melapalayam, Tirunelveli for the duration from 05.09.2022 to 10.09.2022.

His conduct and character are good.


CIVIL ENGINEER



Principal
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Tirunelveli, Tamilnadu-627 358