



## STM32 CUBE IDE WORKSHOP

24<sup>th</sup> September 2024  
XIE, Mahim

The Telecommunication Society Of Xavierites (TSX) organized a workshop based on **“STM32 CUBE IDE”** for the Third Year Students of the Electronics and Telecommunication Engineering (EXTC) Department. Mr. Mukesh Jat & Mr. Prabhakar Yadav, currently TE EXTC students at our very own college, conducted the workshop.

The workshop started at 1:30 pm, the Event commenced on 24th September 2024 under the supervision of Prof. Nitin Ahire (H. O. D. EXTC) and Prof. Panil Jain, with a short Introduction of our speaker Mr. Mukesh Jat & Mr. Prabhakar Yadav given by Mr. Divyanshu Patil (TE EXTC). Then the workshop was carried out by Mr. Mukesh Jat & Mr. Prabhakar Yadav .

Mr. Prabhakar started the session by giving an overview of the STM32 Microcontroller and its programming software ‘Cube-IDE’. Later our speaker described the features and specifications of the software. Then Mr. Mukesh showed the students how to import the STM32F446RE Nucleo-64 board and showed how to configure the microcontroller on the .ioc file leading with creating an Led-Blinking Circuit using the pin 5 of Port A as output, they also demonstrated where and how the entire block of code should be written by user for programming the system for their custom requirements. During the workshop, our speaker also focused on students' doubts and issues faced related to the IDE and the questions related to the micro-controller and resolved them with a positive attitude. Going towards the end Mr. Mukesh also demonstrated how serial communication can be done using USART and the speakers shared various references related to understanding the functionalities of STM32. This session was successful as it helped the students to enhance their knowledge which will help them in interacting and operating the system easily. In the end, Ms. Mrunmayi Modak (TE-EXTC) winds up the session by giving a Vote of Thanks to all the faculty members, speaker Mr. Mukesh Jat & Mr. Prabhakar Yadav, and all Committee members of TSX who gave their best to make this workshop successful.

Prof. Panil Jain

Prof. Nitin Ahire



**XAVIER INSTITUTE OF ENGINEERING**  
MAHIM CAUSEWAY, MAHIM, MUMBAI - 400016  
**TELECOMMUNICATION SOCIETY OF XAVIERITES**



# **TELECOMMUNICATION SOCIETY OF XAVIERITES**

Presents  
A Workshop About

## **STM32 CUBE IDE**

by



**MUKESH JAT & PRABHAKAR YADAV**



**DATE**

24TH SEPTEMBER



**TIME**

1.30PM TO 3.30PM



**VENUE**

SIGNAL PROCESSING  
LAB





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