



ARDUINO PROJECT

DEMONSTRATION

ARDUINO Projects are incorporated in the University Curriculum for Semester 4 Students under the **Skill Enhancement Course** category.. The idea behind the start of this course was to give students hand-on experience with the applications of Arduino IDE and Arduino UNO R3 Board. Skill will be developed on the measurement of temperature, distance, voltage, display techniques and other modern-age electronic applications in the field of advanced research job.

The students are encouraged to demonstrate various projects based on Arduino, an open-source microcontroller platform.

During the demonstration, various projects are displayed which successfully illustrate how Arduino can be used for educational purposes, prototyping, and real-world problem solving. Each project highlights how sensors, actuators, and code come together to create interactive electronic systems. Students learn how to upload programs to the Arduino board using the Arduino IDE and gain hands-on experience with wiring, coding thus developing their skill.

Dr. Pintu Mandal, Assistant Professor, Department of Physics supervises the students through the entire coursework.



**ANKITA BISWAS AND PRIYAM CHAKRABORTY
PRESENTING ROBOT**



**SOUMYADIP BAG AND DIBBENDU DAS SPRESENTING
ARDUINO REMOTE CONTROLLED CAR**



**KHUSHI KUMARI AND ADITI SARKAR
PRESENTING TALKING BOT**



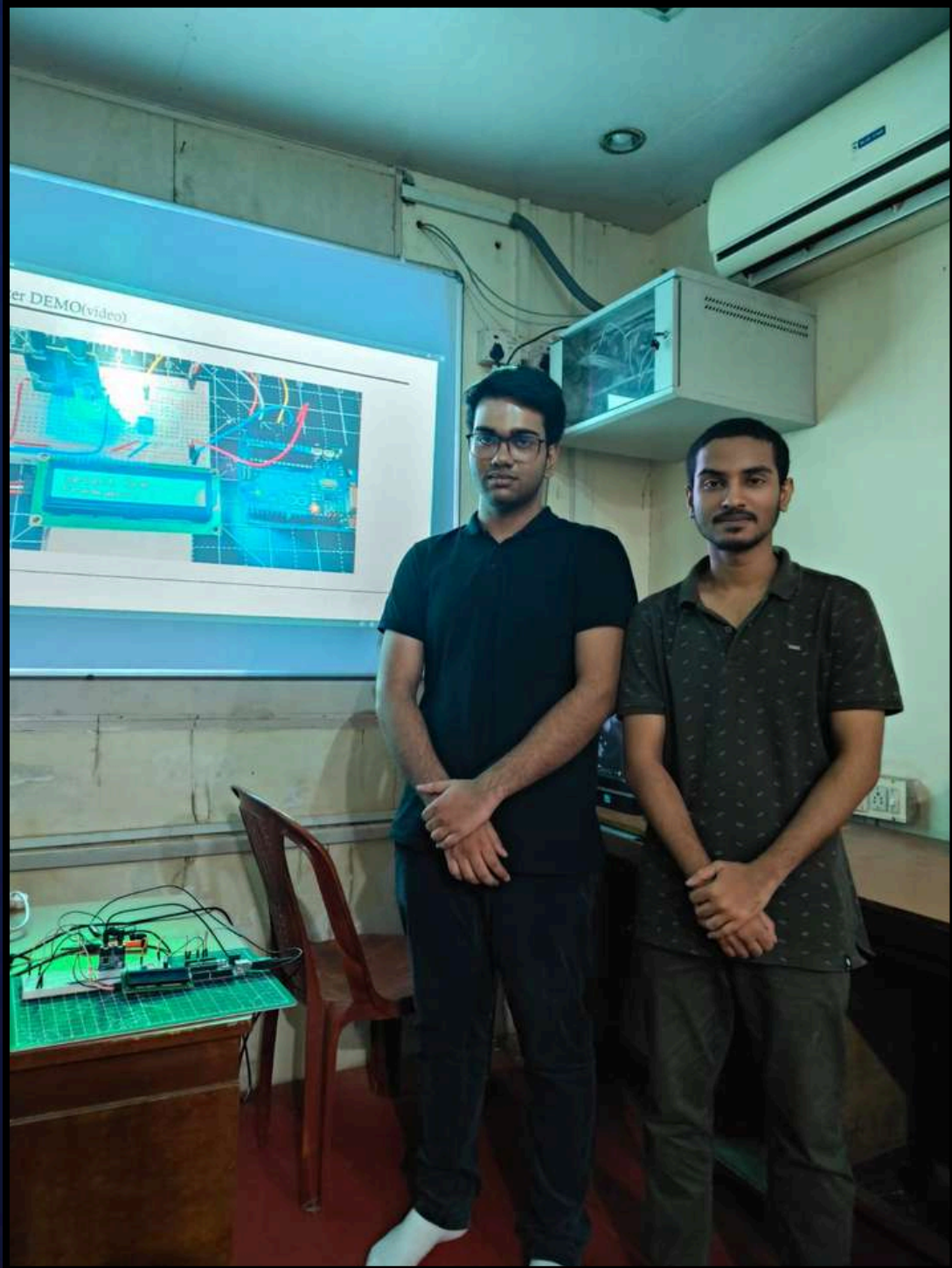
**AYAN RAJ AND MANAS MONDAL
PRESENTING SMART LIGHT**



**SUBHAJIT KUMAR PAUL AND KUDRAT SARKAR KAIF
DEMONSTRATING SMART DUSTBIN**



**SAMBIT BASU AND PRABIR ROY DEMONSTRATING
DIPSA (VOICE-CONTROL ROBOT)**



**SHREYON DEY AND ASIF HASAN BISWAS DEMONSTRATING
FM RADIO USING ARDUINO**



**SUCHETA DAS AND WASIM REZA DEMONSTRATING
WEATHER STATION WITH ARDUINO**