

## **ROBOTIKA – THE ROBOTICS CLUB**

### **Activities 2024-25**

#### Activities

##### 1. Introduction to Robotics by Dr. Monika Tyagi

- Provided an overview of robotics, its applications, and interdisciplinary nature.
- Discussed career opportunities and advancements in the field.
- Interactive Q&A session to address student queries.

Outcome: Enhanced student awareness and interest in robotics.

##### 2. Getting Started with Arduino Uno by Dr. Monika Tyagi

- Introduced Arduino Uno, its components, and programming basics.
- Hands-on experience with simple projects like LED blinking and sensor-based applications.

Outcome: Strengthened students' practical skills in microcontroller programming.

These sessions provided both theoretical and practical exposure, fostering interest in robotics. Moving forward, the society aims to organize advanced workshops and project-based competitions to further enhance student engagement and learning.

##### 3. Event Title: ROB PROBE – Online Quiz Competition

Organized by: ROBOTIKA – The Robotics Club of Shaheed Rajguru College of Applied Sciences for Women

#### Objective of the Event

The event was organized to ignite interest in robotics and technology among students by testing their knowledge in the fields of Robotics, Arduino Sensors, and Current Affairs of Technology. The aim was to create an engaging and interactive platform for participants to showcase their skills and enhance logical thinking.

#### Event Details

Date: 14<sup>th</sup> April 2024

Mode: Online (Google Meet / shared link after registration)

#### Outcome of the Event

Participants gained knowledge about Robotics fundamentals, Arduino sensors, and current technological trends.

Winners were awarded Exciting Prizes and Certificates.

The event successfully fostered a spirit of innovation, competition, and collaboration among the students

