A 30-hour Robotics course offers a condensed yet comprehensive introduction to the field of robotics, covering fundamental concepts, hands-on practical experience, and real-world applications. Here's a brief outline of what such a course might include:

Unit 1 (5 Hrs.)

Concept of Technology

Basic Electronics

Introduction to Robotics & Artificial intelligence

Need of programming

Software installation

Unit 2 (5 Hrs.)

Sensors & Actuators

Application of Robotics

Introduction to microcontroller

Types & need of microcontroller.

Unit 3 (6 Hrs.)

Logic developing coding.

Sensor integrated coding

Actuators integrated coding

Microcontroller programming

Unit 4 (8 Hrs.)

Robot1 building and programming.

Different robots building and experimenting.

Other programming methods

Components selection

Unit 5 (6 Hrs.)

Robot building

Standard in Robotics

Application & Future in Robotic

Workshop outcome

Students will be able to understand concepts of Robotics and Robot functioning.

They can understand the working of different types of robots.

Understand the coding concept.

Build their own concepts in field of robotics.

Eligibility: BCA

Total Hours :30 Hrs

Course Fee: ₹3,000(Rupees Three Thousand Only)

Institutional Partner: Industrial Robotics Institute. The fundamental goal of this institution is to conduct basic and applied research in robotics and artificial intelligence.