Karachi
Robotics inspires students to make connections across several disciplines rather than learning in isolation as it combines mechanical, electronic, electrical and programming skills.

Robotics is playing a cutting-edge role in diverse sectors such as manufacturing, avionics, medicine, defense, automobile and entertainment, to name a few.

As technology becomes increasingly important in today’s world, it is invaluable to not only learn how to use technology, but also to understand how to create it. Technology is the future and today’s kids are tomorrow’s technologists.

The recent example is WHY-PHY’ 2015, a robotics show organised by students and faculty of the Electrical Engineering Department, Institute of Business Management (IoBM), says a report issued by the Public Affairs Section of the institute.

At show, such events were scheduled as Robo War, Tour De Mind, Sling Shot, Gear Up, Junk Art, Capture the Nature, Environmental Entrepreneurship, Project Competition, Counter Strike and Fifa etc. This is an activity in experiential learning when students plan, organise, coordinate and promote events amid the guidance and supervision of their faculty advisors. Activities and competitions pertaining to this magnificent robotics show at the IoBM was programmed at its state-of-the-art Students’ Activity Centre, contemporary labs and the convocation area amid keen interest, direct interaction and guidance of Talib Karim, Rector; Dr Syed Irfan Hyder, Dean; Seema Ansari, HoD, Department of Electrical Engineering; and illustrious faculty and meticulous management.

Earlier, the IoBM designed a robotics workshop for beginners. Students learnt about the robotics world and to build their own line following robots. They learnt about mechanical structures, types and functionality in robots, sensor and circuit functions and assembled their own robots.

Students learnt to burn programmes in microcontroller and how robots can perform different tasks. This was a skill development workshop to enable students to participate in national competitions and robotics’ events.

The IoBM also designed a robotics workshop for engineering students or those familiar with basic robotics and had a passion to learn about the robotics world, Pro-E modeling, PIC microcontroller programming, simulation software Proteus, circuit designing, building their own line following robots to perform tasks by programming.