

ROBOTICS WORKSHOP



A workshop on Introduction to Robotics for students of grades 11 and 12 by delegates from Queen's University, Belfast, UK was held in JM International School on **April 27, 2018**. The workshop was fortunate to have interactive participation from all the students. The workshop started with the welcome address followed by the Inaugural address by Dr. Neeta, lecturer at Queen's University. Citing the Robotics activities at Queen's University, Professor Dr Mukul Shukla - Lecturer in Mechanical Engineering and Dr Rachel O'Grady - Lecturer in Architecture encouraged all the participants to become an active element in the nation building processes through this workshop by implementing the idea of robotics to curb natural disasters.

Following the inauguration, the work shop proceeded to hands on discussion. This session was conducted by Professor Mukul. The students were divided into 6 groups with 5 students in each participating group. A task was assigned to each group to curb the effects of man-made/natural disasters by the efficient and economical use of robots such as drones. Many intelligent ideas came up gradually ranging from anti-terrorism units to Forest Fires and Tsunamis.

The most efficient idea came up from group 5 which introduced the idea to prevent forest fires by placing Heat detection sensors on top of trees with low maintenance cost. Drones with night vision cameras could be used to confirm the forest fires and determine the extent of the afflicted area.

They were awarded University merchandised T-shirts for their idea to promote the conduct of such workshops in future.