

# **M.Tech. (Robotics & Automation)**

Department: Skill Department of Industry 4.0

Faculty: Skill Faculty of Engineering & Technology

**Eligibility:** BE/B.Tech or equivalent Degree in Electrical/ Electronics/ Mechanical/ relevant branches from a recognized University/ Institution with atleast 50% marks in aggregate. Admission shall be made firstly on the basis of valid Gate score merit

**About the Programme:** Robotics, the branch of technology that deals with the design, construction, operation and application of robots, has become highly relevant and upcoming discipline. It is being increasingly applied to almost every field of activity including improving the standard of living of human, handling dangerous and hazardous situations relieving mankind of repetitive and tiring activities, exploring outer space and performing complex medical procedures. Many industries also use robots in their manufacturing facilities and research. For instance, robots are used in areas like high heat welding and continuously handling of heavy loads. They function tirelessly even in the most inhospitable working conditions. Owing to this, robots are taking over from man most of the manipulative hazardous and tedious jobs in factories, mines, atomic plants, deep sea vessels etc. The automation of work through robotics has led to substantial increase in productivity in these areas.