

**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE  
(UGC - AUTONOMOUS)**

**Report on  
One day Workshop on **Technology Entrepreneurship Development**  
Organized by ED Cell- MITS  
**31.03.2016****



**Submitted by: Dr. P. Seshagiri Rao, Coordinator of ED Cell & Asst. Professor, Dept. of Humanities**

**Resource Person: Mr. Ajitha Prabhu, Director, Kriatec Services Pvt Ltd, Chennai**

Entrepreneurship Development Cell is organized One day Workshop on Technology Entrepreneurship Development association with Department of Mechanical Engineering, MITS, Madanapalle for the benefit of final Mechanical students on 31.03.2016.

The inauguration of the program started at 10.30 am with Dr. C. Yuvaraj, principal, IIC Dean Ramprasad Rao, Coordinator ED Cell Dr. P. Seshagiri Rao and Resource person Mr. Ajitha Prabhu, Director, Kriatec Services Pvt Ltd, Chennai. The main objective of the session is to

provide students CNC machining latest trends and various applications of CNC machining in the fields of automobile, marine, Medical, aerospace, oil and gas etc.

Resource person delivered lecture is specifically on new product development in CNC machining.

The highlighted points are:

1. The CNC machining latest trends and various applications of CNC machining in the fields of automobile, marine, Medical, aerospace, oil and gas etc.,
  2. The benefits of CNC machining and steps involved in new product development cycle which includes process planning, fixture design, cutting tool selection, CAM programming, manufacturing documentation. Also discussed the importance of reading the drawings, various conventions used in assembly and detailed drawings.
  3. Discussed the procedure to identify the input parameters (components, machines, diagrams, operations) how these input parameters help to get a desired output.
  4. Differentiated the vertical CNC and horizontal CNC machining centres.
  5. Explained in detail the various steps involved in CNC machining. Which are listed below
    - ✓ Identifying the process
    - ✓ Sequence of operations
    - ✓ Selection of tools
    - ✓ Development of program
    - ✓ Design of fixtures
  6. Explained in detail about the fixture design which includes C-Clamping, L-Location, R-Resting and O-Orientation and the importance of the same
  7. Explained the various provisions in Edge cam software and its applications in various fields of engineering. Explained the scope of skill development which would enable them to be employable.
- The program was informative and received an overwhelmed response with the participation of almost **110 students from mechanical department.** Entrepreneurship Development Cell extends sincere gratitude to the Management, Principal, and Head of the Departments for their support.