**ADDITIVE MANUFACTURING TECHNOLOGIES**

**Assignment II**

**Last Date for submission:**

**SAQ**

1. Distinguish between direct and indirect tooling process.
2. List various types of STL file problems.
3. Explain overlapping facets.
4. Write some of the applications of RP in creative industry.
5. Mention applications of Additive Manufacturing (AM) in the in medical field.

**LAQ**

1. With a neat sketch, explain various steps in arc spray metal tooling process.
2. Distinguish between IGES and Leaf file formats.
3. Write short notes on “3D KelTool” process.
4. Explain the STL file repair using Generic solution.
5. Explain various types of data formats used in Rapid prototyping.
6. Illustrate with neat sketches various types of STL file problems.
7. What is meant by valid and invalid model in AM process? Discuss about the consequences of building an invalid model.
8. Describe various applications of RP in Forensic Science.
9. A. What are the typical RP applications in Automobile industry? Briefly describe each of them and illustrate them with examples.