SCOR – Statistical Control and Operations Research

- To ensure students acquire comprehensive understanding in the fundamentals and applications of statistical methods and operations research techniques.

- To equip students with managerial and quantitative approach towards problem analysis, modelling and solving.

- To execute statistical methods and operations research techniques via software packages and customized computer programmes.

- To enable students to pursue postgraduate study in statistics and operations research.

- To produce students who are able to practice lifelong learning attitudes, continuously challenging themselves to improve and remain relevant to the ever changing needs of industry, locally as well as internationally.

- To produce students who are competent in communication and interpersonal skills.

Learning Outcome

At the end of the course, the students should be able to:

- Contribute towards the development of better working procedure and systematic approach in problem analysis, modelling and implementation of solutions at the workplace.

- Demonstrate critical thinking, leadership skills and professional competence that are relevant to process optimization and statistical data analysis to support managerial decision making.

- Develop the capability to customize the statistical and Operations Research packages/ software to perform various mathematical models on the ad-hoc basis.

- Demonstrate an understanding and awareness of basic commercial, ethical, legal and social issues as well as responsibility related to manufacturing and service industries.

- Communicate and demonstrate adequate social and interpersonal skills.

- Continue their professional development by taking up professional examinations of Royal Statistical Society and become a member of The Operations Research Society UK.

- Recognize and practice the concept of lifelong learning for continuous self improvement.

- Demonstrate an understanding and awareness of basic commercial, ethical, legal and social issues related to manufacturing and service industries.

- Communicate and demonstrate adequate interpersonal skills.