

Doctor of Philosophy (Mathematics)

Programme Objectives (PEO)

The main objectives of this postgraduate programme are:

1. To produce graduates competent in practising advanced scientific principles in academic, science and technology.
2. To produce graduates engaging in the activities that demonstrate communication and leadership role.
3. To produce graduates practising professional ethics and engage in lifelong learning.

Programme Outcomes (PO)

Upon completion of the programme, students will be able to:

1. Demonstrate a critical understanding of frontier knowledge by generating original contributions to the field of applied mathematics, data analysis or operations research.
2. Synthesise existing and new knowledge to develop new concepts or applications in applied mathematics, data analysis or operations research.
3. Select and use suitable digital and analytical tool or techniques to research problems.
4. Conduct research independently and rigorously with minimal supervision.
5. Display leadership qualities and management skills.
6. Communicate cogently in the field of applied mathematics, data analysis or operations research and interact with peers.
7. Demonstrate commitment to lifelong learning and personal development.
8. Perform research adhering to legal, ethical, professional and sustainable practices.