

## **Programme Learning Outcomes (PLO)**

The research-mode PhD's programme includes eleven (11) Programme Learning Outcomes (PLOs) as outlined below:

PLO 1: Integrate significant knowledge by using appropriate approaches to address current critical issues and generate original and impactful contributions to the relevant fields.

PLO 2: Critically analyze and synthesize new, complex, and abstract ideas and solve contemporary issues through advanced research methods to produce original contributions that meet international standards.

PLO 3: Develop original, complex, and specialized research methods and techniques to address emerging problems and create high-quality solutions in the relevant fields with minimal supervision.

PLO 4: Demonstrate the ability to collaborate cogently with various parties in carrying out research.

PLO 5: Present research findings, ideas, issues, and solutions clearly, confidently, and effectively to the research community, peers, and society.

PLO 6: Utilize digital technologies and appropriate software to support, enhance, and justify research findings.

PLO 7: Validate findings by using analysis that is appropriate to the research methods to ensure that conclusions are accurate and impactful.

PLO 8: Exhibit intellectual leadership qualities and skills in managing research and related resources.

PLO 9: Demonstrate commitment to lifelong learning and personal development in shaping future directions within the related field.

PLO 10: Apply entrepreneurial skills to identify opportunities and implement innovative projects in related research.

PLO 11: Comply with safety rules and instructions, ethics and professionalism, and sustainable practices as well as identify the related issues for research advancement in the field and their impact to society.