ICT Tools for Teaching and Research

1. Use of ICT: Using ICT for pedagogical transformation.

2. MOOC: Use of MOOC as an additional resource for course delivery, Building course website and content management, Use of learning management system for course management, online examination, Canvas, Gradescope etc.

3. Teaching Learning Tools & e-Content Generation: Using tools for teaching learning- interactive whiteboards/smart-screens, video-conferencing, Design of instructional material and presentation, Safe browser, Video content generation and dissemination, Creating quality figures and diagrams.

4. ICT Tools in Research: Identifying a research problem, Using tools for research, e-tools for data management and analytics, Results interpretation, MATLAB as an effective scientific computation and data analysis tool.

5. Writing and publishing research: Software tools for scientific writing, collaborative writing and editing tools. Examples - Google Docs, Spreadsheet for sharing data, Latex and Overleaf, Mendeley etc., Bibliography management, e-tools for plagiarism and grammar, etc.

6. Ethical issues in content generation and research: Intellectual property rights and legal issues in using ICT, Security & software related issues in using ICT