



MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO

Department of Chemical Engineering


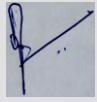
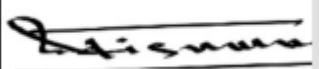
LESSON PLAN

COURSE TITLE: Application of Information and Communications Technologies		COURSE CODE: CE131	CREDIT HOURS: 02	MINIMUM CONTACT HOURS: 32
COURSE INSTRUCTOR: Dr. Fahad Rehman Abro(A+B+C)				
Batch: 24CE	Semester: 1ST	Semester Starting Date: 19-08-2024	Semester Suspension Date: 04-12-2024	
COURSE LEARNING OUTCOMES:				
CLO No.	Description	Taxonomy level	Associated PLO	
1	Apply knowledge of fundamental ICT components (hardware, software, platforms, storage) and demonstrate proficiency in using basic productivity tools (Microsoft Office, Google Workspace, cloud storage)	C3	5	
2	Understand the ethical use of ICT in domains like education, business, and healthcare, and demonstrate responsible use of ICT tools, considering digital citizenship and content integrity.	C2	8	
LESSON CONTENTS AND ASSOCIATED CLO(s)				
Contents	CLO No.	Marks Assigned	Delivery Methods	Assessment Methods (Marks)
<p>Introduction to ICT: Components of ICT (basics of hardware, software, ICT platforms, networks, local and cloud data storage, etc.), Scope of ICT (use of ICT in education, business, governance, healthcare, digital media and entertainment, etc.) Emerging technologies and future trends.</p> <p>Basic ICT Productivity Tools: Effective use of popular search engines to explore the World Wide Web. Formal communication tools and etiquette (Gmail, Microsoft Outlook, etc.) Microsoft Office Suites (Word, Excel, PowerPoint).</p> <p>Google Workspace. Storage and File Sharing: Dropbox, Google Drive, Microsoft OneDrive. Note-taking and Organization: Evernote, OneNote. Video Conferencing: Google Meet, Microsoft Teams, Zoom, etc. Social Media Applications: LinkedIn, Facebook, Instagram, etc.</p> <p>No. of lectures: 15</p>	1	24	<ul style="list-style-type: none"> • Class Lecture • Discussion 	<ul style="list-style-type: none"> • Assignment-I (04) • Mid semester Exam (15) • Final Exam (05)

<p>ICT in Education: Working with learning management systems, Sources of online education courses, Interactive multimedia and virtual classrooms.</p> <p>ICT in Health and Well-being: Health and fitness tracking devices and applications (Google Fit, Samsung Health, Apple Health, Xiaomi Mi Band, Runkeeper, etc.), Telemedicine and online health consultations (OLADOC, Sehat Kahani, Marham, etc.).</p> <p>ICT in Personal Finance and Shopping: Online banking and financial management tools (JazzCash, Easypaisa, Zong PayMax, 1LINK and MNET, Keenu Wallet, etc.), E-commerce platforms (Daraz.pk, Telemart, Shophive, etc.).</p> <p>Digital Citizenship and Online Etiquette: Digital identity and online reputation. Netiquette and respectful online communication. Cyberbullying and online harassment.</p> <p>Ethical Considerations in Use of ICT Platforms and Tools: Intellectual property and copyright issues. Ensuring originality in content creation by avoiding plagiarism and unauthorized use of information sources. Content accuracy and integrity (ensuring that the content shared through ICT platforms is free from misinformation, fake news, and manipulation).</p> <ul style="list-style-type: none"> • No. of lectures: 17 	2	26	<ul style="list-style-type: none"> • Class Lecture • Discussion 	<ul style="list-style-type: none"> • Final Exam (15) • Class Test (7) • Assignment-II (04)
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ASSESSMENT DETAILS

S. No.	Assessment Activities	Marks	Activities	CLO(s) to be assessed	
1	Assignment/Class Test	15	Assignment(s)	2	1 & 2
			Class Test	1	2
2	Mid Semester Exam	15	1	1	
3	Final Semester Exam	20	1	1 & 2	

Prepared by: Dr. Fahad Rehman Abro Signature:  Dated: 15-08-2024	Reviewed by: Curriculum Review Committee Signature:  Dated: 20-11-2024	Approved by: Chairman, CED Signature:  Dated: 20-11-2024
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