

SYLLABUS OF CERTIFICATE COURSE (CC) / SEC

Course Title:	USE OF GENERATIVE AI
Course Credits:	2 Credits
Course Hours:	30 Hours
Course Duration:	15 Weeks (Including Classwork, Examination, preparation etc.)
Eligibility:	12 th Pass (HSC)
Course Objective:	To equip students with a comprehensive understanding of the principles and techniques behind the generative models, while exploring their diverse applications in fields in the modern development and innovation of the industry.
Expected Outcome:	Students will be able to use Generative AI for various purposes
Teaching Mode:	Blended (online and Offline)
Evaluation Method:	Multiple Choice Question (MCQ)/Theory/Assignments
COURSE CONTENT	
Unit-1:	Introduction to the AI
	1.1 Basics and History of AI
	1.2 Types of AI
	1.3 Generative AI
	1.4 Advantages and Limitations of AI
	1.5 AI and Modern development
Unit-2:	Learning How to Prompt
	2.1 Basics of prompt
	2.2 Types of prompt
	2.3 Tips for Writing Effective Prompts
	2.4 Role Playing and prompt engineering
	2.5 Combining Techniques
Unit-3:	Popular AI Chat Tools: ChatGPT and ChatGemini
	2.1 Architecture
	2.2 Access and interaction
	2.3 Comparison of ChatGPT and ChatGemini
	2.5 Limitations and Challenges

Unit-4:	Applications in Various Fields
	4.1 Content creation, marketing, and summarization
	4.2 Customer support and virtual assistants
	4.3 Software development, code assistance and SEO
Unit-5:	Generative AI and Recent Educational Development
	5.1 Use of AI to improve teaching and learning methodology
	5.2 Challenges and Opportunities of using Generative AI
	5.3 Case studies of Generative in education
Reference Books:	<ol style="list-style-type: none"> 1) Artificial Intelligence: A Modern Approach, Stuart Russell and Peter Norving, Pearson Publication. 2) Artificial Intelligence Patrick Henry Winston, Addison-Wesley Publication. 3) ChatGPT for Dummies, Pam Baker, A Wiley Brand. 4) ChatGemini Tutorials, Google Cloud, Google Inc.