FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28) DEPARTMENT OF COMPUTER SCIENCE COURSE CURRICULUM

		<u> </u>	JONSE CORRICO	JLUIVI		
PA	RT-A: Introduc	ction				
Program: Bachelor in Science (CS) (Certificate / Diploma / Degree/Honors)			Semester — I/III/V	Session: 2024-2	2025	
) Joseph	Course Code	CSVAC-01		1	Access (14-19), National of the Print Mark Statement Comments	
2	Course Title	Artificial Intell	Artificial Intelligence			
3	Course Type	Value Addition	Value Addition Course (VAC)			
4	Prerequisite As per program					
	Course Learning Outcomes(CLO)	 At the end of this course, students will be able to: Understand basics of AI. Understand problem solving techniques of AI. Aware about AI tools. Explore application of AI in various domains. Understand the current scenario of AI in India. 				
6	Credit Value	2 Credits	Credit = 15 Hours -Learning & Observation			
	Total Marks	Max. Marks:	50	Min Passing Marks: 20		
PAR	T – B: Content					
-		ching– Learning	Periods (01 Hr. per pe	eriod) - 30 Periods (30 Ho	ours)	
Unit	Topics (Course contents)				No .of Period	
I	Introduction: Overview of Artificial Intelligence (AI), Foundations of AI, Areas and Applications of AI in various domains, AI in India, Impact and examples of AI, Future of AI.				8	
II	Advanced AI: Basic Concept of Machine Learning, Deep Learning, Computer vis Natural Language Processing (NLP), Speech recognition, Generative AI Application			earning, Computer vision, nerative AI Applications.	8	
III	AI Tools: Conversational AI: ALEXA, CORTANA, SIRI etc., AI tools for content generation, Image creation, Presentation, Video editing etc.				8	
IV	Application of AI: Agriculture, Healthcare, Environment, Teaching-Learning, E-Commerce, Industry, Research etc.					
(eyword (ame	Artificial Intelligence Processing (NLP), Con and Senature of Con	nversational AI, Ge	enerative AI.	ing, Computer Vision, Natur	ral Language	
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AR	T-C: Learning	Resources	Tal	when of		
	t Books, Reference B		D1	, , , , , , , , , , , , , , , , , , ,		
ext B	ooks Recommended:					

- Introduction to Artificial Intelligence and Expert Systems, Dan W. Patterson, PHI Publication.
- Artificial Intelligence, Elaine Rich and Kevin Knight TMH publication.

Reference Books Recommended:

- Artificial Intelligence and machine learning, Vinod Chandra S.S., Anand Hareendrn S., PHI learning private Ltd.
- Foundations of Artificial Intelligence and Expert Systems, Macmillan Series in Computer Science, V.S. Jankiraman, K. Sarukesi and P. Gopala Krishnan.

Online Resources:

• Ministry of Electronics and Information Technology Portal for INDIAai:

https://indiaai.gov.in/

Introduction to Artificial Intelligence from SWAYAM:

https://www.youtube.com/watch?v=pKeVMlkFpRc&list=PLwdnzlV3ogoXaceHrrFVZCJKbm_laSHcH&index=2

An introduction to Artificial Intelligence from SWAYAM:

https://onlinecourses.nptel.ac.in/noc24_cs08/preview

• Introduction to Artificial Intelligence from Coursera: https://www.coursera.org/learn/introduction-to-ai

- Introduction to Artificial Intelligence: https://www.javatpoint.com/artificial-intelligence-ai
- How to Learn Artificial Intelligence from Coursera: https://www.coursera.org/articles/how-to-learn-artificial-intelligence

PART-D: Assessment and Evaluation

Suggested Continuous Evaluation Methods: 50 Marks MaximumMarks: Continuous Internal Assessment(CIA): 15 Marks 35 Marks End Semester Exam(ESE): Internal Test / Quiz-(2): 10 + 10Better marks out of the two Test / Quiz + Continuous Assignment/Seminar-05 obtained marks in Assignment shall be InternalAssessment(Total Marks -15 considered against 15 Marks CIA): (By Course Teacher) Laboratory/Field Skill Performance: On spot Assessment Managed by **End Semester** A. Performed the task based on learned skill - 20 Marks Coordinator as per Exam (ESE): B. Spotting based on tools (Written) - 10 Marks skilling C. Viva-voce (based on principle/technology)- 05 Marks

Name and Signature of Convener & Members of CBoS:

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ANJEETA KUTUR