Program	BACHELOR OF VOCATION (B.Voc.)	**Semester - 2**
Type of Course	-	
Prerequisite		
Rationale	-	
Effective From A.Y.	2024-25	

Teaching Scheme (Contact Hours)				Examination Scheme				
Lecture	Tutorial	Lab	Credit	Theory Marks		Practical Marks		Total Marks
				SEE T	IAT	SEE P	CCE	
-	-	16	6	-	-	100	100	200

***SEE** - Semester End Examination, **IAT** - Internal Assessment Test, **CCE** - Continues & Comprehensive Evaluation*

Course Content

T - Teaching Hours | **W** - Weightage

Sr.	Topics	T	W
1	**Contribute to the design of software products and web applications** **PC1.** Check your understanding of the Business Requirements Specification (BRS)/User Requirements Specification (URS) with appropriate people **PC2.** Check your understanding of the Software Requirements Specification (SRS) with appropriate people **PC3.** Check your understanding of High Level Design (HLD) with appropriate people **PC4.** Design basic programming structures to implement functionality in line with requirements defined in BRS/URS, SRS and HLD **PC5.** Review your designs with appropriate people **PC6.** Analyze inputs from appropriate people to identify, resolve and record design defects and inform future designs **PC7.** Document your designs using standard templates and tools **PC8.** Comply with your organization's policies, procedures and guidelines when contributing to the design of software products and applications	75	
2	**Develop media content and graphic designs for software products and applications** **PC1.** Check your understanding of the Business Requirements Specification (BRS), Software Requirements Specification (SRS), High Level Design (HLD) and Low Level Design (LLD) with appropriate people **PC2.** Access reusable components, media and graphical packages and tools from your organization's knowledge base **PC3.** Convert requirements into media content and graphic designs, leveraging reusable components where available **PC4.** Review media content and graphic designs with appropriate people and analyze their feedback **PC5.** Record any defects and corrective actions taken to inform future work **PC6.** Rework media content and graphic designs, incorporating feedback **PC7.** Submit media content timely and graphic designs for approval by appropriate people **PC8.** Update your organization's knowledge base with your experiences of the media content and graphic designs developed **PC9.** Comply with your organization's policies, procedures and guidelines when developing media content and graphic designs for software products and application	75	
3	**Manage your work to meet requirements**	15	

Course Content

T - Teaching Hours | **W** - Weightage

Sr.	Topics	T	W
	PC1. Establish and agree your work requirements with appropriate people **PC2.** Keep your immediate work area clean and tidy **PC3.** Utilize your time effectively **PC4.** Use resources correctly and efficiently 15 **PC5.** Rreat confidential information correctly **PC6.** Work in line with your organization's policies and procedures **PC7.** Work within the limits of your job role **PC8.** Obtain guidance from appropriate people, where necessary PC9. ensure your work meets the agreed requirements		
4	**Work effectively with colleagues**	10	
	PC1. Communicate with colleagues clearly, concisely and accurately **PC2.** Work with colleagues to integrate your work effectively with them **PC3.** Pass on essential information to colleagues in line with organizational requirements **PC4.** Work in ways that show respect for colleagues **PC5.** Carry out commitments you have made to colleagues **PC6.** Let colleagues know in good time if you cannot carry out your commitments, explaining the reasons **PC7.** Identify any problems you have working with colleagues and take the initiative to solve these problems **PC8.** Follow the organization's policies and procedures for working with colleagues		
5	**Maintain a healthy, safe and secure working environment**	5	
	PC1. Comply with your organization's current health, safety and security policies and procedures **PC2.** Report any identified breaches in health, safety, and security policies and procedures to the designated person **PC3.** Identify and correct any hazards that you can deal with safely, competently and within the limits of your authority **PC4.** Report any hazards that you are not competent to deal with to the relevant person in line with organizational procedures and warn other people who may be affected **PC5.** Follow your organization's emergency procedures promptly, calmly, and efficiently **PC6.** Identify and recommend opportunities for improving health, safety, and security to the designated person **PC7.** Complete any health and safety records legibly and accurately		
6	**Provide data/information in standard formats**	15	
	PC1. Establish and agree with appropriate people the data/information you need to provide, the formats in which you need to provide it, and when you need to provide it **PC2.** Obtain the data/information from reliable sources **PC3.** Check that the data/information is accurate, complete and up-to-date **PC4.** Obtain advice or guidance from appropriate people where there are problems with the data/information **PC5.** Carry out rule-based analysis of the data/information, if required **PC6.** Insert the data/information into the agreed formats **PC7.** Check the accuracy of your work, involving colleagues where required **PC8.** Report any unresolved anomalies in the data/information to appropriate people **PC9.** Provide complete, accurate and up-to-date data/information to the appropriate people in the required formats on time		
7	**Develop your knowledge, skills and competence**	5	

Course Content

T - Teaching Hours | **W** - Weightage

Sr.	Topics	T	W
	PC1. Obtain advice and guidance from appropriate people to develop your knowledge, skills and competence **PC2.** Identify accurately the knowledge and skills you need for your job role **PC3.** Identify accurately your current level of knowledge, skills and competence and any learning and development needs **PC4.** Agree with appropriate people a plan of learning and development activities to address your learning needs **PC5.** Undertake learning and development activities in line with your plan **PC6.** Apply your new knowledge and skills in the workplace, under supervision **PC7.** Obtain feedback from appropriate people on your knowledge and skills and how effectively you apply them **PC8.** Review your knowledge, skills and competence regularly and take appropriate action		
	Total	**200**	

Laboratory work will be based on above syllabus with minimum required experiments/exercises to be incorporated.