BBA(CA) CBCS 2019 Pattern

TYBBA (CA) Sem V Syllabus

Total Hours: 30   **Total Credits: 02**

Prerequisite:
 Basic knowledge of Internet, Networking, and Electronics.

Course Objectives:
1. To understand Technical aspects of Internet of things.
2. To describe smart objects and IoT Architecture.
3. To study and compare different Application protocols ofIoT.
4. To understand IoT platform using Arduino Uno.

Course Outcomes: Students will be able
1. To explain key technologies, smart objects, IoT Architecture and security in Internet of Things.
2. To illustrate the role of IoT protocols for efficient network communication.
3. To understand IoT platform such as Arduino Uno.

Unit No.	Contents Theory	No. of Lectures
1	**Fundamentals of IoT** 1.1 Basic Concepts of IoT 1.2 Major components of IoT devices 1.3 IOT Architecture 1.4 Pros & Cons of IOT	03
2	**Communication Technologies** 2.1 Wireless Communication: Bluetooth, ZigBee, WiFi, RF Links 2.2 Wired Communication: Ethernet 2.3 IOT Protocol: MQTT, CoAP, XMPP, OSGi	05
3	**Microcontroller Fundamental and Arduino uno** 3.1 System on Chip & Microcontroller 3.2 Arduino UNO: Introduction to Arduino, Arduino UNO, Arduino Board, The Anatomy of an Arduino Board 3.3 The Development Environment of Arduino Board 3.4 Writing Arduino Software, The Arduino Sketch 3.5 Fundamentals of Arduino Programming 3.6 Trying the code on an Arduino Emulator 3.7 Arduino Libraries 25 Programming & Interfacing 3.8 Application of IoT 3.9 Case studies: Home Automation, Smart Parking, etc.	07
	Total	**15**
	Practical Please Refer Lab Book	**15**

Reference Books:
1. Learning internet of things by Waher, Peter -Packt Publishing Ltd, 2015
2. "Fundamentals of Wireless Sensor Networks: Theory and Practice" by WaltenegusDargie,

Subject: Computer Laboratory Based on 603 and 604(2 credits each)
Course Code: 606
Total Credits: 04

For the conduction of practical's, Practical Assignments are given in the Lab book.

Savitribai Phule Pune University
T.Y.B.B.A.(C.A.) Semester-VI
Subject: Soft Skill
Course Code : CA – 607

Total Hours: 30   **Credit:02**
Prerequisite:
1. Basic Writing Skills in English including grammar.
2. Basic knowledge in communication and a good understanding of English.
3. Ready to adhere the new techniques.

Objectives:
1. It helps participants to communicate effectively and to carry themselves confidently.
2. They also learn how to identify and overcome the barriers in interpersonal relationships.

3. To improve oral and written communication, teamwork, leadership, problem-solving and decision-making skills, to gain best results.
4. This course is useful for landing a great job, building a career and also finding employment as soft skills trainers.

Outcomes:
1. Understand the significance and essence of a wide range of soft skills
2. Learn how to apply soft skills in a wide range of routine social and professional settings.
3. Learn how to employ soft skills to improve interpersonal relationships.
4. Learn how to employ soft skills to enhance employability and ensure workplace and career success.

Unit	Topics	No. of Lectures

1	**Introduction to Soft Skills**
	1.1 An Introduction to Soft skill -
	    1.1.1 Definition and Significance of Soft Skills
	    1.1.2 Soft skill Process
	    1.1.3 Uses of Soft Skill Development.
		02

2	**Communication Skills**
	
	2.1 Introduction - Components of communication process, Communication process , Effective communication process.
	
	2.2 Types of communication –
	  2.2.1 Verbal Communication –
	    • Punctuation
	    • Meaning & opposites , vocabulary
	    • Real Life conversations
	
	  2.2.2 Non – Verbal Communication -
	    • Facial Expression , Posture , Gesture , Eye contact
	    • appearance (dress code), Body Language, listening skills
	    • essential formal writing skills
		04

3	**Skills Development**
	
	3.1 Interview Skills –
	    Interviewer and Interviewee – in-depth perspectives.
	Before, During and After the Interview. Tips for Success.
	
	3.2 Presentation Skills -
	    Types, Content, Audience Analysis, Essential Tips
	 Before, During and After, Overcoming Nervousness.
	
	3.3 Etiquette and Manners - Social and Business
	
	3.4 Time Management - Concept, Essentials, Tips
	
	3.5 Personality Development - Meaning, Nature, Features,
		05

		Stages, Models, Learning Skills, Adaptability Skills.	

4	**Skill Implementation**
	
	4.1 Resume writing –
	4.1.1 How to write your resume.
	   • Contact details.
	   • Opening statement.
	   • List of key skills.
	   • List of technical/software skills.
	   • Personal attributes/career overview.
	   • Educational qualifications.
	   • Employment history /volunteering/work placements.
	   • References/referees.
	 4.1.2 Types of resume
	
	4.2 Group Discussion - Importance, Planning, Elements, and Skills assessed, Effectively disagreeing, Initiating, Summarizing and Attaining the Objective.
	
	4.3 Teamwork and Leadership Skills - Concept of Teams, Building effective teams, Concept of Leadership and honing Leadership skills , A Good Leader, Leaders and Managers , Types of Leaders , Leadership Behaviour.
			04

	Total		15
	Practical Please Refer Lab Book		15

Reference Books :
1. Managing Soft Skills for Personality Development – edited by B.N.Ghosh, McGraw Hill India, 2012.
2. English and Soft Skills – S.P.Dhanavel, Orient Blackswan India, 2010.
3. Soft skills Training – A workbook to develop skills for employment by Fredrick H. Wentz .
4. Personality Development and Soft skills, Oxford University Press by Barun K. Mitra
5. The Time Trap : the Classic book on Time Management by R. Alec Mackenzie