

School of Scholars, Gadchiroli
Annual Syllabus Plan 2021-2022

Subject – IT (802)

CLASS XII:

Part-A: EMPLOYABILITY SKILLS

S. No.	Months	Units	Duration(in Hours)
1.	April	Unit 1: Communication Skills- IV	10
2.	May	Unit 2: Self-management Skills- IV	10
3.	June	Unit 3: Information and Communication Technology Skills- IV	10
4.	July	Unit 4: Entrepreneurial Skills- IV	15
5.	August	Unit 5: Green Skills- IV	05
TOTAL DURATION			50

Part-B – SUBJECT SPECIFIC SKILLS

- Unit -1 : Database Concepts – RDBMS tool
- Unit -2 : Operating Web Based Applications
- Unit-3 : JAVA - Fundamentals of Java programming, Introduction to Java, Object Oriented Programming, Java Language Elements, Operators, Control Flow, Array, Class Design, Exception Handling, Assertions, Threads , Wrapper Classes, String Manipulation.
- Unit-4: Work Integrated Learning IT –DMA

DETAILED CURRICULUM

UNIT & Month	TOPICS/ SUB-TOPICS	MARKS
UNIT 1 April(21)	DATABASE CONCEPTS – RDBMS TOOL <ul style="list-style-type: none"> • Basics of RDBMS. • SQL – Creating and Opening Database. • Creating and populating tables. • Modifying the content and structure of table. • Ordering and Grouping. • Operating with multiple tables. 	10

UNIT 2 May-June (22+25)	Operating Web Based Applications <ul style="list-style-type: none"> • Online Reservation Systems. • E-Governance. • Online Shopping and Billpayments. • Online Tutorials andTests. • Project Management – Web Based Applicationdevelopment. • Project essentials and tips. • Case Study - Online Game. • Case Study - Online Quiz. • Case Study – Online Bill Calculator. 	12
UNIT 3 July(25)	<ul style="list-style-type: none"> • Fundamentals of Java programming, Introduction to Java, Object • Oriented Programming, • Java Language Elements, • Operators, • Control Flow, • Array, • Class Design, • Exception Handling, • Assertions, • Threads , • Wrapper Classes, • String Manipulation 	20
UNIT 4 Aug(24)	<ul style="list-style-type: none"> • Work Integrated Learning IT – DMA • Identification of Work Areas. • Work Experience. 	8
	TOTAL	50

Practical

40 MARKS

DETAILS	MARKS
Programs / Practical Questions. <ul style="list-style-type: none"> • SQL Queries (10Marks). • JAVA Programs (10Marks). • Operating Web Based Application (5Marks). 	25
Project / Practical File	10
Viva Voce	5
Total	40