Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Faculty of Information Technology

Structured Work Plan for Teaching

Academic Year (2018 - 2019)

(22-Jun-2018   TO   03-Nov-2018)

1. **Details of Classes to be taught**

Sr. No.	Class	Name of Asst. Prof.	Course Title	Course Code	Practical Paper Code	Total Teaching Hours
1	BCA S.Y. III Sem	Prof. A.K. Shaikh	Web Designing & Programming	U-WDP-392 Total Credit: 3	U-LAC-396 Total credit:2	TH 65 PR 15
2	B.Sc.(C.S.) S.Y. III Sem		Computer Network	U-CON-384 Total Credit: 3	U-LAC-388 Total credit:2	TH 64 PR 14

2. **Summary of Lesson Plan**

Name of Teacher: A.K. Shaikh   **Class   : BCA S.Y. III Sem**

Teaching Hours: 64

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date FROM	Date TO	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
1	Web Designing &	Unit I: HTML Basics and UI Structure of HTML document,	09-07-2018	29-07-2018	21	Class Seminars	Assignment on Tags

	Programming U-WDP-392	Basic Markup Tags, Working with Table, Working with Images, Creating and Handling Frames. Forms: What is Form?, Form Tag, Method, Action, Input Tag, Type Attribute: Check box, Hidden, Image, Radio, Reset, Submit, Text; other <input> tags.				Creating web page by using HTML	Assignment on HTML Basics
2	Web Designing & Programming U-WDP-392	Unit II: Cascading Style Sheet Evolution of CSS, Understanding the CSS Syntax, Exploring CSS Selectors (universal, type, class, id, child, descendant, adjacent sibling), Inserting CSS in an HTML document: The Internal Style Sheet, The External Style Sheet, The Inline Style Sheet, Defining Inheritance in CSS, Backgrounds and Color Gradients, Fonts and Text Styles, Creating Boxes and	30-07-2018	07-08-2018	09	By using inline style sheet, internal style sheet and external style sheet making a webpage	Oral Exam

		Columns, Displaying, Positioning, Floating an Element, List Styles, Table Layouts Pseudo-classes and Pseudo-element.					
3	Web Designing & Programming U-WDP-392	Unit III: JavaScript Introduction, Client-Side JavaScript, Server-Side JavaScript, JavaScript Objects, JavaScript Security, Operators: Assignment Operators, Comparison Operators, Arithmetic Operators, % (Modulus), ++(Increment), --(Decrement), -(Unary Negation), Logical Operators, Short-Circuit Evaluation, String Operators, Special Operators, ?: (Conditional operator), , (Comma operator), delete, new, this, void Statements: Break, comment, continue, delete, do...while, export, for,	15-08-2018	22-09-2018	25	Class Seminar	Creating a web page by using java Script

		for...in, function, if...else, import, Event Handling: Click, Bluer, MouseOver					
4	Web Designing & Programming U-WDP-392	Unit IV: Jquery and XML Fundamentals of jQuery, Loading and using jQuery, jQuery Syntax, jQuery Selectors, Element properties and attributes. Introduction to XML: Anatomy of an XML document, Creating XML Documents	24-09-2018	02-10-2018	09	Installation of JQuery and XML	Assignment on JQuery and XML

Name of Teacher: A. K. Shaikh   **Class   : B.Sc.(C.S.) S.Y. III Sem**

Teaching Hours: 65

2. Summary of Lesson Plan

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
			FROM	TO			
1	Computer Network U-CON-384	UNIT-I : Networking Fundamentals And Network Components. 1) Networking Fundamentals Terminologies Client, Server, Topology, Types of Network, Hierarchical Central Computer, Peer to Peer Network, Client Server Network, Types of Network Topologies, Types of Network Technologies, Types of Data passing Schemes. 2) Network Components Types of Cablings- Coaxial, UTP, STP, FOC, Types of Connectors- RJ-	09-07-2018	29-07-2018	21	YouTube live lecture on all networking components	Cross crimping and straight crimping

		45, Terminator, T Connector, BNC, HUB, Switch, Router					
2	Computer Network U-CON-384	UNIT-II: Network Hardware and Components And Protocols and Services. 3) Network Hardware and Components Introduction of Network Cable like UTP, STP, Fiber Optics, Hub, Unmanageable Switch, Manageable Switch, Router, Modem, Wi-Fi, Access Point, PCI Wireless Card, USB Wireless Device, Print Server, USB Network Sharer, Backup Device, Server Hardware etc. Network Interface Card, Crimping tools and Color standards for straight crimping and Cross crimping, Repeaters, Hub, Switches, Routers, Bridges. 4) Protocols and Services HTTP,	30-07-2018	07-08-2018	09	Installing switches, Routers and Wi-Fi Installing Printers	Oral Exam Class Test

		FTP and other Different types of protocols, Media Access Method, DNS services, DHCP services, WINS services and RAS services, Web services, Proxy Services etc.				Setup of Protocols	Assignments through Google class room
3	Computer Network U-CON-384	UNIT-III: Device Installation And Diagnostic Tools & PC Maintenance. 5) Device Installation Graphics Card, Sound Card, LAN Card, Wireless LAN Card, SCSI Card, External Drive, Flash Cards, Web Camera, CCTV Camera, Mobile Devices, Pen Drive, Fire wire Cards, Modem, Plotter, Wireless LAN, Access Point etc. 6) Diagnostic Tools & PC Maintenance Introduction, Virus and its types, Effect of Virus for Computer System, Scanning and Antivirus remover tools, Antivirus	15-08-2018	22-09-2018	26	Class Seminar	CCTV Camera and Access points installation process

		Utilities for Diagnostic, Safety and Preventive Maintenance Tools, Data Recovery, 13 Concept of Fax and E-mail, PC care and Maintenance, Electrical Power Issues, Troubleshooting PC Hardware:- O/S Troubleshooting issues in computer System.					
4	Computer Network U-CON-384	UNIT-IV : Network Introduction & Installation And Network Administration 7) Network Introduction & Installation Introduction About Network, Installing Network Operating System Windows 2003 Server and Windows 2008 Server, Cable Crimping, Network Sharing and user Permission, Internet Connection. 8) Network Administration Installing and Configuring Wire & Wireless Network, Network	24-09-2018	02-10-2018	09	Installation of Server Operating sytem	Working of Antiviruses

	Computer Network U-CON-384	Troubleshooting, Installing Manageable Switches, Routers, Wi-Fi Device.					

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Faculty of Information Technology

Structured Work Plan for Teaching

Academic Year (2019 - 2020)

(09-Dec-2019   TO   30-Apr-2020)

1. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Course Title	Course Code	Practical Paper Code	Total Teaching Hours
1	BCA S.Y. IV Sem	Prof. A.K. Shaikh	Software Engineering	U-SOE-490 Total Credit: 3	U-LAC-494 Total credit:2	TH 65 PR 15
2	B.Sc.(C.S.) S.Y. IV Sem		Software Engineering	U-SOE-481 Total Credit: 3	U-LAC-485 Total credit:2	TH 65 PR 15

2. Summary of Lesson Plan

Name of Teacher: A.K. Shaikh   **Class   : BCA S.Y. IV Sem**

Teaching Hours: 65

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date FROM	Date TO	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
1	Software Engineering U-SOE-490	UNIT I: FUNDAMENTALS 1. Software Engineering Fundamentals:	01-12-2018	25-12-2018	19	Revision on Software Applications.	Task to Study System Software's

	Software Engineering U-SOE-490	Definition of software, Software characteristics, software applications. 2. Software Process: Software Process Models- waterfall model, prototyping model spiral model, incremental model, concurrent model. Project Management Concepts: The management spectrum- the people, the product, the process and the project.				Group discussions on Management Concepts and people, product, process and project	Seminars on Software Process Models
2	Software Engineering U-SOE-490	UNIT II: METRICS 3. Software Process and Project Metrics: Measures, metrics and indicators, software measurement: Size-oriented Metrics, function - oriented metrics, extended function point metrics. 4. Software Project Planning: Project planning objectives, software project estimation, and	26-12-2018	19-01-2019	19	Seminar on Software project planning.	Task to gather requirement for the software Electricity Bill Management.

		decomposition techniques-problem based estimation, process based estimation, empirical estimation models- the COCOMO Model.				Group Discussion on software measurement	Task to Apply any Metrics on Electricity B.M.
3	Software Engineering U-SOE-490	UNIT III: RISK MANAGEMENT 5. Risk Analysis And Management: Software risks, risk identification, risk projection, risk refinement, risk mitigation, monitoring and management.	29-01-2019	28-02-2019	24	Designing the Software Electricity Bill Management.	Assignment to design Login Page.
		6. Software Quality Assurance: Basic concepts- quality, quality control, quality assurance, cost of quality ,software quality assurance(SQA), formal technical review				Group Discussion Software Quality Assurance	Online Exam through Google forms.
						Group discussion on software problems.	Assignment to design E.B.M

| 4 | Software Engineering U-SOE-490 | UNIT IV: TESTINGS

7. Coding And Unit Testing: Programming principles and guidelines, incrementally developing code, managing evolving code, unit testing, code inspection, and metrics.
8. Testing: Testing concepts, testing process, black-box testing, white-box testing, and metrics. | 01-03-2019 | 20-03-2019 | 13 | Class Seminar | Oral Exam up to Chap 08 |

1. Summary of Lesson Plan

Name of Teacher: A.K. Shaikh

Class   **: B.Sc.C.S. S.Y. IV Sem**

Teaching Hours: 75

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date FROM	Date TO	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
1	Software Engineering U-SOE-481	UNIT I: ROLE OF SOFTWARE 1. INTRODUCTION TO SOFTWARE ENGINEERING: The evolving role of software, changing nature of software, software myths. The software problem: Cost, Schedule and quality, scale and change.				Revision on Software Applications.	Task to Study System Software's
	Software Engineering U-SOE-481	2. SOFTWARE PROCESS: Process and project, component software process. Software development process models-waterfall model, prototyping , iterative development , relational unified process, time boxing model, Extreme programming and agile process, using process models in a project, project management process.	01-12-2018	25-12-2018	19	Group discussions on Management Concepts and people, product, process and project	Seminars on Software Process Models

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2	Software Engineering U-SOE-481	UNIT II: REQUIREMENT ANALYSIS 3. SOFTWARE REQUIREMENT ANALYSIS AND SPECIFICATION: Value of good SRS, requirement process, requirement specification, functional specifications with use-cases, other approaches for analysis, validation. 4. PLANNING A SOFTWARE PROJECT: Effort estimation, project schedule and staffing, quality planning, risk management plans, project monitoring plan, detailed scheduling.	26-12-2018	19-01-2019	19	Seminar on Software project planning. Group Discussion on software measurement	Task to gather requirement for the software Electricity Bill Management. Task to Apply any Metrics on Electricity B.M.
3	Software Engineering U-SOE-481	UNIT III: ARCHITECTURE 5. SOFTWARE ARCHITECTURE: Role of software architecture, architecture view, components and connector view, Architecture styles for C and C view , documenting architecture	29-01-2019	28-02-2019	24	Designing the Software Electricity Bill Management.	Assignment to design Login Page.

		design, evaluating architectures. 6. DESIGN: Design concepts, function-oriented design, object oriented design, detailed design, verification, and metrics.				Group Discussion Software Quality Assurance	Online Exam through Google forms.
4	Software Engineering U-SOE-481	UNIT IV: TESTINGS 7. CODING AND UNIT TESTING: Programming principles and guidelines, incrementally developing code, managing evolving code, unit testing, code inspection and metrics. Testing: Testing concepts, testing process, black-box testing, white-box testing and metrics.	01-03-2019	20-03-2019	13	Group discussion on software problems. Class Seminar	Assignment to design E.B.M Oral Exam up to Chap 08