Lesson Plan

Name of Faculty : Prachi, Assistant Professor of CSE
Discipline : Computer Science and Engineering
Semester : 5th (odd)
Subject : .NET Lab CSE 307-P
Lesson Plan Duration : 15 weeks
Work Load (Lecture/Practical) per week (in hours): Lectures-04hours, Practical-02 hours

Week	Theory/ Practical (Group-I/ II)		Topic Covered Date and Remarks		
	Practical Day	Topics/ Programs	Date	HOD	Director-Principal
1st	1	Write a program to check whether empty querry string is entered in ASP.NET			
2nd	2	Write a program to change colour of label text control programmatically in ASP.net			
3rd	3	Write a program to enable/ disable text box and change width of text box programmatically inASP.net			
4th	4	Write a program toincrease and decrease font size programatically			
5th	5	Write c # code to display asterisk pattern			
6th	6	Write c# code to prompt a user to input his/ her name and country name and then the output			
7th		Minor test 1st			
8th	7	Write c# code to do the following -convert binary to decimal -convert decimal to hexa decimal			
9th	8	Write c # code -convert decimal to binary - convert decimal to octal			
10th	9	Write c # code to convert infix notation to postfix notation			
11th	10	Write c# code to convert digits to words			
12th	11	Write c # code to convert following currency conversion rupees to dollars , frank euro			
13th	12	Write c # code to perform Celsius to farenheit conversion and Fahrenheit to Celsius conversion			
14th		Minor test 2nd			
15th	13	Write ASP.NET program to store objects in session state and storing session state in SQL server			

Lesson Plan

Name of Faculty : Prachi , Assistant Professor of CSE
Discipline : Computer Science and Engineering
Semester : VII
Subject : .NET Technologies (CSE-305-L)
Lesson Plan Duration : 15 weeks
Work Load (Lecture/Practical) per week (in hours): Lectures-04 hours

Week	Theory		Topic covered date and remarks		
	Lecture Day	Topic (Including Assignment/Test)	Date	H.O.D	Director principal
1st	1	Introduction to .NET framework, NET architecture			
	2	MSIL,CLR, CLS ,CTS, JIT			
	3	Namespaces , common language implementation			
	4	Assemblies , COM, ILDASM			
2nd	5	Basics and console applications in C			
	6	Constructer and destructor			
	7	Function overloading and inheritance			
	8	Operator overloading , boxing and unboxing			
3rd	9	ADO.NET benefits ,datasets , data binding			
	10	Data source controls			
	11	C.NET :language features and creating .NET projects			
	12	Exploring base class library			
4th	13	Debugging and error handling			
	14	Data types , exploring assemblies , string manipulation			
	15	Files and input output collections			
	16	Windows forms and control in detail			
5th	17	The windows forms model			
	18	Creating windows forms			
	19	Window form properties and events			
	20	Delegates , windows form menus , dialogue			
6th	21	Visual inheritance in C.NET			
	22	Apply inheritance techniques to forms			
	23	Creating base forms and programing derived forms			
	24	Mastering windows forms			
7th		**1st Minor Test**			
8th	25	Mastering windows forms			
	26	Handling multiple events , GDI +			
	27	Creating windows forms controls			
	28	ASP.NET introduction			
9th	29	Working with web and HTML controls			
	30	Rich server controls			
	31	Log in controls			
	32	Overview of ASP.NET validation controls			
10th	33	Managing state			
	34	Preserving state in web applications and page level state			
	35	Using cookies to preserve state			
	36	Setting up and out of process state server			
11th	37	Application state using the data list and repeater controls			
	38	Overview of list bound controls			
	39	Creating repeater control and data list control			
	40	Themes and master pages			
12th	41	Creating a consistent web site			
	42	ASP.NET 5 themes			
	43	Master pages , displaying data with grid view control			
	44	Introduction to grid view control			
13th	45	Add a hyperlink to the grid			
	46	Creating and consuming web services			
	47	Motivation for XML services			
	48	SAO architecture			
14th		**2nd Minor Test**			
15th	49	Discovering web services using SOAP, DISCO			
	50	Advanced in .NET			
	51	Introduction to WPF			
	52	Window communication foundation and applications			

Lesson Plan

Name of Faculty : Dr. Sanjay Dahiya, Assistant Professor of CSE
Discipline : Computer Science and Engineering
Semester : 5th (odd)
Subject : Principle of Operating systems **(CSE-301-L)**
Lesson Plan Duration : 15 weeks (from June to December-2018)
Work Load (Lecture/Practical) per week (in hours): Lectures-03hours, Practical-02 hours

Week	Theory		Topic Covered Date and Remarks		
	Lecture Day	Topic (Including Assignment/Test)	Date	HOD	Director-Principal
1st	1	Concepts: Operating systems functions and characteristics			
	2	Concepts: Operating systems functions and characteristics			
	3	Operating system services and systems calls			
	4	Operating system services and systems calls			
2nd	5	System programs			
	6	Operating system structure			
	7	Operating systems generation			
	8	Operating system services and systems calls			
3rd	9	Types of OS: Batch& Multiprogramming operating system			
	10	Time-sharing OS , Distributed Operating system,			
	11	Online &Real-time systems.			
	12	Query and Solution			
4th	13	File Systems: Types of Files and their access methods			
	14	File allocation methods			
	15	Directory Systems: Structured organization,			
	16	Directory and file protection mechanisms			
5th	17	Disk scheduling and its associated algorithms			
	18	Disk scheduling and its associated algorithms			
	19	Processes: Process concept, Process Control Block,			
	20	Operations on processes, Cooperating processes			
6th	21	CPU scheduling: Levels of Scheduling, scheduling criteria			
	22	CPU scheduling: Levels of Scheduling, scheduling criteria			
	23	Comparative study of scheduling algorithms			
	24	Algorithm evaluation, Multiple processor scheduling			
7th		**1st Minor Test**			
8th	25	Process Synchronisation: Critical-section problem			
	26	Critical-section problem, Semaphores			
	27	Query and Solution			
	28	Storage Management: Storage allocation methods			
9th	29	Storage Management: Storage allocation methods			
	30	Single contiguous allocation			
	31	Non-contiguous memory allocation			
	32	Query and Solution			
10th	33	Paging and Segmentation techniques			
	34	Segmentation with paging			
	35	Virtual memory concepts			
	36	Demand Paging			
11th	37	Page-replacement Algorithms &Belady Anomalies			
	38	Thrashing and Recovery Techniques			
	39	Thrashing and Recovery Techniques			
	40	Query and Solution			
12th	41	Deadlock: System model, Deadlock characterization,			
	42	Methods for handling deadlocks, Deadlock prevention,			
	43	Deadlock avoidance, Deadlock detection,			
	44	Recovery from deadlock			
13th	45	Case Studies			
	46	Comparative study of WINDOW			
	47	Comparative study of UNIX			
	48	Comparative study of LINUX			

14th		**2nd Minor Test**			
15th	49	WINDOW			
	50	UNIX			
	51	LINUX			
	52	Query and Solution			

Lesson Plan

Name of Faculty : Prachi, Assistant Professor of CSE
Discipline : Computer Science and Engineering
Semester : 5th(odd)
Subject : O.S LabCSE 301-P
Lesson Plan Duration : 15 weeks
Work Load (Lecture/Practical) per week (in hours): Lectures-04hours, Practical-02 hours

Week	Theory/ Practical (Group-I/ II)		Topic Covered Date and Remarks		
	Practical Day	Topics/ Programs	Date	HOD	Director-Principal
1st	1	Write a program to study windows operating system			
2nd	2	Write a program to study of linux			
3rd	3	Write a program to study of linux operating system using linux kernel			
4th	4	Write a program to study of linux using shell			
5th	5	Write a program to study linux using basic commands pipe and filter commands			
6th	6	Write a program to administrate linux operating system			
7th		Minor test 1st			
8th	7	Write a program of shell scripts			
9th	8	Write a program of shell programming			
10th	9	Write a program for AWK Programming			
11th	10	Write a program to study of linux			
12th	11	Write a program to administrate linux operating system			
13th	12	Write a program to study linux using basic commands pipe and filter commands			
14th		Minor test 2nd			
15th	13	Write a program of shell scripts			

Lesson Plan

Name of Faculty : Ms.BhartiSethi, Assistant Professor of CSE
Discipline : Mechanicle Engginering
Semester : 5th sem(odd)
Subject : Web Development
Lesson Plan Duration : 15 weeks (from august-2018 to december-2018)
Work Load (Lecture/Practical) per week (in hours): Lectures-03hours, Practical-02 hours

Week	Theory		Topic Covered Date and Remarks		
	Lecture Day	Topic (Including Assignment/Test)	Date	HOD	Director-Principal
1st	1	The role of information architect			
	2	Collaboration and communication			
	3	Organizing information ,organizational challenges			
	4	Organizing web sites and intranets			
2nd	5	Designing navigation systems,types of navigation systems			
	6	Remote navigation elements			
	7	Designing the search interface			
	8	Indexing the right stuff			
3rd	9	Grouping content,conceptual design			
	10	High level architectural blue prints			
	11	page mock ups			
	12	Design sketches			
4th	13	Dynamic HTML elements			
	14	Good web designs and web publishing			
	15	Phases of web site development			
	16	Structure of html documents			
5th	17	Html elements and core attributes			
	18	Absolute and relative links			
	19	Orderd and unordered lists			
	20	Linking basics and linking in html			
6th	21	Images and anchor			
	22	Anchor attributes and image maps			
	23	Sementic linking meta information			
	24	Image prelimiris			
7th		**1st Minor Test**			
8th	25	Introduction to layouts and images as buttons			
	26	Background colors and text			
	27	Fonts,layout with tables			
	28	Advanced layouts,frames and layers			
9th	29	Html and other media types			
	30	Forms and control			
	31	New and emerging form elements			
	32	Internal style specification			
10th	33	External specification			
	34	Css and style sheets			
	35	Page and site design			
	36	Introduction to server side technology			
11th	37	CGI ,ASP			
	38	Programming languages for scripting			
	39	Configuring the server to support CGI			
	40	Input output operations			
12th	41	Form processing			
	42	Overview of XML			
	43	XML features			
	44	XML relationship with HTML and SGML			
13th	45	Future of XML			
	46	JSP ASP objects and components			
	47	Configuring and troubleshooting			

	48	Request and response objects			
14th		**2nd Minor Test**			
15th	49	Retrieving the contents of html form			
	50	Retrieving a query string			
	51	Cookies, creating and reading cookies			
	52	Using application objects and events			

Lesson Plan

Name of Faculty : Ms.Arushi, Assistant Professor of CSE
Discipline : Mechanicle Engginering
Semester : 5th sem(odd)
Subject : Web Development
Lesson Plan Duration : 15 weeks (from august-2018 to december-2018)
Work Load (Lecture/Practical) per week (in hours): Lectures-03hours, Practical-02 hours

Week	Theory		Topic Covered Date and Remarks		
	Lecture Day	Topic (Including Assignment/Test)	Date	HOD	Director-Principal
1st	1	The role of information architect			
	2	Collaboration and communication			
	3	Organizing information ,organizational challenges			
	4	Organizing web sites and intranets			
2nd	5	Designing navigation systems,types of navigation systems			
	6	Remote navigation elements			
	7	Designing the search interface			
	8	Indexing the right stuff			
3rd	9	Grouping content,conceptual design			
	10	High level architectural blue prints			
	11	page mock ups			
	12	Design sketches			
4th	13	Dynamic HTML elements			
	14	Good web designs and web publishing			
	15	Phases of web site development			
	16	Structure of html documents			
5th	17	Html elements and core attributes			
	18	Absolute and relative links			
	19	Orderd and unordered lists			
	20	Linking basics and linking in html			
6th	21	Images and anchor			
	22	Anchor attributes and image maps			
	23	Sementic linking meta information			
	24	Image prelimiris			
7th		**1st Minor Test**			
8th	25	Introduction to layouts and images as buttons			
	26	Background colors and text			
	27	Fonts,layout with tables			
	28	Advanced layouts,frames and layers			
9th	29	Html and other media types			
	30	Forms and control			
	31	New and emerging form elements			
	32	Internal style specification			
10th	33	External specification			
	34	Css and style sheets			
	35	Page and site design			
	36	Introduction to server side technology			
11th	37	CGI ,ASP			
	38	Programming languages for scripting			
	39	Configuring the server to support CGI			
	40	Input output operations			
12th	41	Form processing			
	42	Overview of XML			
	43	XML features			
	44	XML relationship with HTML and SGML			
13th	45	Future of XML			
	46	JSP ASP objects and components			
	47	Configuring and troubleshooting			
	48	Request and response objects			
14th		**2nd Minor Test**			

15th	49	Retrieving the contents of html form			
	50	Retrieving a query string			
	51	Cookies, creating and reading cookies			
	52	Using application objects and events			

Lesson Plan

Name of Faculty : Ms.Arushi, Assistant Professor of CSE
Discipline : Computer Science and Engineering
Semester : 5th sem (odd)
Subject : Web devlopment lab (CSE-309 E)
Lesson Plan Duration : 15 weeks (from august-2018 to december-2018)
Work Load (Lecture/Practical) per week (in hours): Practical-02 hours

Week	Practical (Group-I/ II)		practical Covered Date and Remarks		
	Practical Day	Topics/ Programs	Date	HOD	Director-Principal
1st	1	To develop an html program			
2nd	2	To prepare the biodata of individual			
3rd	3	To design a table using various captions			
4th	4	To generate various types of lists			
5th	5	Creating style sheets using CSS			
6th	6	Perl programming			
7th		**1st VIVA VOICE**			
8th	7	CGI scripting			
9th	8	Html forms			
10th	9	Creating various frames with designs			
11th	10	Designing html pages using various attributes			
12th	11	Using images and anchor tag			
13th	12	Using various html advanced tags			
14th		**2nd VIVA VOICE**			
15th	13	creating XML document			

Name of the Faculty: **Sudhir Dagar,Associate Professor**
Discipline : **Computer Science and Engineering**
Semester : **V**
Subject : **Microprocessor And Interfacing and Microprocessor And Interfacing Lab**
Lesson Plan Duration: 15 Weeks (from August 2018 to December 2018)
Work load (Lecture/Practical per week in hours: Lectures-04, Practical-02

Week	Theory		Practical	
	Lecture day	Topic(including assignment/test)	Practical day	Topic
1	1	Introduction to microprocessor	1	Study of 8085 Microprocessor kit.
	2	8085 microprocessor architecture		
	3	Instruction set		
	4	Interrupt structure		
2	5	Architecture of 8086	2	Write a program using 8085 and verify for : a. Addition of two 8-bit numbers. b. Addition of two 8-bit numbers (with carry).
	6	Block diagram of 8086		
	7	Details of sub-blocks		
	8	EU		
3	9	BIU	3	Write a program using 8085 and verify for : a. 8-bit subtraction (display borrow) b. 16-bit subtraction (display borrow)
	10	Memory segmentation		
	11	Physical address computation		
	12	Program relocation		
4	13	Addressing modes	4	Write a program using 8085 for multiplication of two 8- bit numbers by repeated addition method. Check for minimum number of additions and test for typical data.
	14	Instruction formats		
	15	Pin diagram		
	16	Description of various signals		
5	17	Instruction execution timing	5	Write a program using 8085 for multiplication of two 8- bit numbers by bit rotation method and verify.
	18	Assembler instruction format		
	19	Data transfer instructions		
	20	Arithmetic instructions		
6	21	Branch instructions	6	**First viva-voce**
	22	Looping instructions		
	23	NOP and HLT instructions		
	24	Flag manipulation instructions		
7		**I st Minor Test**		Write a program using 8085 for division of two 8- bit numbers by repeated subtraction method and test for typical data.
8	25	Shift instructions	7	Study of 8086 microprocessor kit
	26	Rotate instructions		
	27	Directive		
	28	operators		
9	29	**Assignment Questions**	8	Write a program using 8086 for division of a defined double word (stored in a data segment) by another double Word division and verify.
	30	Programming examples		
	31	Assembler directives		
	32	Programming with an Assembler		
10	33	Programming examples	9	Write a program using 8086 for finding the square root of a given number and verify.
	34	Coding style		
	35	The art of assembly language programming		
	36	Software development with interrupts		
11	37	Introduction to Stack	10	Write a program using 8086 for copying 12 bytes of data from source to destination and verify
	38	Stack Structure of 8086		
	39	Introduction to Subroutines		
	40	Recursion		
12	41	MACROS	11	Write a program using 8086 and verify for: a. Finding the largest number from an array. b. Finding the smallest number from an array.
	42	BIOS(Basic Input/output System)		
	43	DOS(Disk Operating System)		
	44	The 8255 PPI chip		
13	45	Architecture	12	Write a program using 8086 for arranging an array of numbers in descending order and verify.
	46	Control words		
	47	Modes and examples		
	48	Introduction to DMA process		
14		**IInd Minor Test**		
15	49	8237 DMA controller	13	**Second viva-voce**
	50	**Assignment Evaluation**		
	51	8259 Programmable interrupt controller		
	52	Programmable interval timer chips		