	LESSON PLAN	Date: 15/12/2016
	Sub.Name: CLOUD COMPUTING Branch: CSE, Semester& Sections: VIII & Asec	To 19/04/2017

T138 – CLOUD COMPUTING

Lecture	:3 Periods/week	Internal Marks	: 25
Tutorial	:1	External Marks	: 75
Credits	:4	External Examination	: 3 Hrs

UNIT – I

Foundations: Introduction to cloud computing, migrating into a cloud enriching, integrating as a service paradigm for the cloud era, cloud computing for enterprise applications

UNIT – II

Infrastructure as a Service (IaaS): Virtual Machines Provisioning and Migration Services, On the management of Virtual machines for cloud Infrastructures, Enhancing Cloud Computing Environments using a Cluster as a service, Secure Distributed Data Storage in Cloud Computing

UNIT – III

Platform and Software as a Service (PaaS): Aneka-Integration of Private and Public Clouds, Comet Cloud: An Autonomic Cloud Engine-systems Cloud-Based Solution for Business Applications, Workflow Engine for Clouds, Understanding Scientific Applications for Cloud Environments, The map Reduce Programming Model and Implementations

UNIT – IV

Monitoring and Management: An architecture for Federated Cloud Computing, SLA management in Cloud Computing: A service Provider’s Perspective, Performance Prediction for HPC on Clouds

UNIT – V

Applications:Architecting Applications for the Amazon Cloud, Massively Multiplayer Online game Hosting on cloud Resources, Building Content Delivery Networks Using Clouds, Resource Cloud mashups.

TEXT BOOK

“Cloud Computing: principles and Paradigms”, Raj Kumar Bunya, James Bromberg, Andrej Kosciusko, Wiley, New York, USA

Pre requisite: Basic knowledge regarding computer, graphics and screen designs

Course Educational Objectives:

- Demonstrate an understanding of guidelines, principles, and theories influencing cloud computing.
- Recognize how a cloud computing operation to be performed.
- Use the information sources available, and be aware of the methodologies and technologies supporting advances in cloud computing.

Course Outcomes: After completion of this course a student can able to


CO1: Define cloud computing and related concepts.

CO2: Understand the key dimensions of the challenges of Cloud Computing

CO3: Understand the assessment of the economics, financial, and technological implications for selecting cloud computing for an organization.

CO4: Describe the benefits of cloud computing and Understand the challenges of cloud computing.

CO5: able to understand how cloud components fit together.

	Lakireddy Bali Reddy College of Engineering	
	Department of CSE	
	Outcome based lesson plan	
	Academic year: 2016-17	Course: Cloud Computing
	Programme: B.Tech	Unit No: 1 to 5
	Year & Sem: IV & II (VIII sem)	Section: A

S.No	Teaching Learning Process (TLP)	Delivery Methods (DM)	Assessment Methods (AM)
1	Solving Real world problem	Chalk & Talk	Assignments
2	Explaining application before theory	ICT tools	Quiz
3	Solving problems	Group discussions	Tutorials
4	Designing of experiments	Industrial visit	Surprise Tests
5	Problems on environmental, economics, health & safety	Field work	Mid Exams
6	Problems on professional & ethics	Case studies	Model Exam
7	Seminar	Mini Projects	QAs
8	Problems using software	Numerical treatment	
9	Self study	Design / Exercises	

Detailed Lesson Plan

S.NO	TOPIC TO BE COVERED	Date		TLP	DM	AM
		Tentative	Actual			
UNIT –I: Foundations						
1	Foundation : Importance of cloud computing	15/12/16		2	1	1,3,5,7
2	Introduction to cloud computing	15/12/16		2	1	
3	Importance of migration	16/12/16		2	1	
4	Migration into a cloud	17/12/16		2	1	
5	Enriching Integration As a Service	19/12/16		2	1	
6	Cloud computing services	19/12/16		2	1	
7	Roots of cloud computing	20/12/16		2	1	
8	Challenges of Migration	21/12/16		2	1,3	
9	Paradigm for the cloud era	22/12/16		2	1,3	

10	Integration with public, homogeneous and heterogeneous	23/12/16		2	1,3	
11	Jitter bit in Integration and .NET service Bus,ISB	26/12/16		2	1	
12	Cloud computing for enterprise applications	27/12/16		2	1	
13	Adoption strategy and five stages of cloud	27/12/16		2	1	
14	Tutorial-1	28/12/16				
UNIT –II: Infrastructure as a Service(IaaS)						
15	Virtual Machines Provisioning	29/12/16		2	1	1,3,5,7
16	Migration services	29/12/16		2	1	
17	On the management of Virtual Machines for cloud infrastructure	2/1/17		2	1	
18	On the management of Virtual Machines for cloud infrastructure	2/1/17		2	1	
19	Enhancing cloud computing environments using cluster as a service	3/1/17		2	1	
20	Secured distributed data storage in cloud computing	3/1/17		2	1,3	
21	Secured distributed data storage in cloud computing	4/1/17		2	1	
22	Revision	4/1/17				
23	Tutorial - II	5/1/17				
24	MID – I EXAMS	5/1/17				
25		6/1/17				
26		6/1/17				

UNIT –III: Platform and Software as a Service(Aphasias)						
27	Platform and software as a Service	9/1/17		2	2	1,3,5,7
28	Aneka	9/1/17		2	2	
29	Aneka	10/1/17		2	2	
30	Integration of private and public clouds	10/1/17		2	2	
31	Comet cloud	11/1/17		2	2	
32	Comet cloud	11/1/17		2	2	

33	An autonomic cloud engine	12/1/2017		2	2
34	T-systems	12/1/2017		2	2
35	T-systems	13/01/17		2	2
36	Cloud based solutions for business applications	16/01/17		2	2
37	Cloud based solutions for business applications	16/01/17		2	2
38	Work flow engines for clouds	17/01/17		2	2
39	Work flow engines for clouds	17/01/17		2	2
40	Work flow engines for clouds	18/01/17		2	2
41	Understanding scientific applications	18/01/17		2	2
42	Understanding scientific applications	19/01/17		2	2
43	Understanding scientific cloud environments	19/01/17		2	2
44	The Map reduce programming Model	20/01/17		2	2
45	The Map reduce programming Model	20/01/17		2	2
46	Map reduce implementations	23/01/17		2	2
47	Revision	23/01/17			
48	Tutorial - 3	12/1/2017			

UNIT –IV: Monitoring and Management

49	Monitoring and management	25/01/17		2	1,2
50	An architecture for federated cloud computing	26/01/17		2	1,2
51	An architecture for federated cloud computing	26/01/17		2	2
52	An architecture for federated cloud computing	27/01/17		2	2
53	SLA management in cloud computing	27/01/17		2	2
54	SLA management in cloud computing	30/01/17		2	2
55	SLA management in cloud computing	30/01/17		2	1,2
56	A service providers perspective	31/01/17		2	2
57	A service providers perspective	31/01/17		2	2
58	Performance prediction	1/2/2017		2	2
59	Performance prediction	2/2/2017		2	2

1,3,5,7

60	HPC on clouds	2/2/2017		2	1,2	
61	HPC on clouds	3/2/2017		2	1,2	
62	Tutorial - 4	31/01/17				
UNIT –V:Applications						
63	Introduction on applications	3/2/2017		2	1,2	
64	Architecting applications for the Amazon Cloud	6/2/2017		2	1,2	
65	Architecting applications for the Amazon Cloud	6/2/2017		2	1,2	
66	Massively multiplayer Online Game hosting on Cloud resources	7/2/2017		2	1,2	
67	Massively multiplayer Online Game hosting on Cloud resources	7/2/2017		2	1,2	
68	Massively multiplayer Online Game hosting on Cloud resources	8/2/2017		2	1,2	
69	Massively multiplayer Online Game hosting on Cloud resources	8/2/2017		2	1,2	1,3,5,7
70	Building Content delivery networks	9/2/2017		2	1,2	
71	Building Content delivery networks	9/2/2017		2	1,2	
72	Building Content delivery networks	10/2/2017		2	1,2	
73	Resource cloud mashups	10/2/2017		2	1,2	
74	Resource cloud mashups	11/2/2017		2	1,2	
75	Resource cloud mashups	11/2/2017		2	1,2	
76	Resource cloud mashups	11/2/2017		2	1,2	
77	Revision	12/2/2017		2	1,2	
78	Tutorial – 5	12/2/2017				
79	II MID EXAMS	13/2/17				
80		14/2/17				
81		15/2/17				

Resources Used:

TEXT BOOK

“Cloud Computing: principles and Paradigms”, Raj Kumar Bunya, James Bromberg, Andrej Kosciusko, Wiley, New York, USA


Assessment Summary:

Assessment Task	Weight age (Marks)	Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
Assignments	--					
Quizzes	--					
Tutorials	--					
Surprise Tests	--					
Mid Exams	20					
Model Exams	--					
End Exam	75					
Attendance	05					
Total	100					

Mapping Course Outcomes with Programme Outcomes:

Course Code	Unit	Course Outcomes					Programme Outcomes										
		1	2	3	4	5	a	b	c	d	e	f	g	h	i	j	k
T214	I	×						×	×		×				×		×
	II		×					×	×		×				×		×
	III			×				×	×		×				×		×
	IV				×			×	×		×				×		×
	V					×		×	×		×				×		×

	Instructor	Course Coordinator	Module Coordinator	HOD
Name	G Balu Narasimharao			Dr. N. Ravi Shankar
Sign with Date				

	LESSON PLAN	Date: 15/12/2016
	Sub.Name: CLOUD COMPUTING Branch: CSE, Semester& Sections:VIII&Bsec	To 19/04/2017

T138 – CLOUD COMPUTING

Lecture	:3 Periods/week	Internal Marks	: 25
Tutorial	:1	External Marks	: 75
Credits	:4	External Examination	: 3 Hrs

UNIT – I

Foundations: Introduction to cloud computing, migrating into a cloud enriching, integrating as a service paradigm for the cloud era, cloud computing for enterprise applications

UNIT – II

Infrastructure as a Service(IaaS): Virtual Machines Provisioning and Migration Services, On the management of Virtual machines for cloud Infrastructures, Enhancing Cloud Computing Environments using a Cluster as a service, Secure Distributed Data Storage in Cloud Computing

UNIT – III

Platform and Software as a Service(Aphasias): Aneka-Integration of Private and Public Clouds, Comet Cloud: An Autonomic Cloud Engine-systems Cloud-Based Solution for Business Applications, Workflow Engine for Clouds, Understanding Scientific Applications for Cloud Environments, The map Reduce Programming Model and Implementations

UNIT – IV

Monitoring and Management: An architecture for Federated Cloud Computing,SLAmanagement in Cloud Computing: A service Provider’s Perspective, Performance Prediction for HPC on Clouds

UNIT – V

Applications:Architecting Applications for the Amazon Cloud, Massively Multiplayer Online game Hosting on cloud Resources, Building Content Delivery Networks Using Clouds, Resource Cloud mashups.

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CO3: Understand the assessment of the economics, financial, and technological implications for selecting cloud computing for an organization.

CO4: Describe the benefits of cloud computing and Understand the challenges of cloud computing.

CO5: able to understand how cloud components fit together.

	Lakireddy Bali Reddy College of Engineering	
	Department of CSE	
	Outcome based lesson plan	
	Academic year: 2015-16	Course: Cloud Computing
	Programme: B.Tech	Unit No: 1 to 5
	Year & Sem: IV & II (VIII sem)	Section: B

S.No	Teaching Learning Process (TLP)	Delivery Methods (DM)	Assessment Methods (AM)
1	Solving Real world problem	Chalk & Talk	Assignments
2	Explaining application before theory	ICT tools	Quiz
3	Solving problems	Group discussions	Tutorials
4	Designing of experiments	Industrial visit	Surprise Tests
5	Problems on environmental, economics, health & safety	Field work	Mid Exams
6	Problems on professional & ethics	Case studies	Model Exam
7	Seminar	Mini Projects	QAs
8	Problems using software	Numerical treatment	
9	Self study	Design / Exercises	

Detailed Lesson Plan

S.NO	TOPIC TO BE COVERED	Date		TLP	DM	AM
		Tentative	Actual			
UNIT –I: Foundations						
1	Foundation : Importance of cloud computing	15/12/16		2	1	1,3,5,7
2	Introduction to cloud computing	15/12/16		2	1	
3	Importance of migration	16/12/16		2	1	
4	Migration into a cloud	17/12/16		2	1	
5	Enriching Integration As a Service	19/12/16		2	1	
6	Cloud computing services	19/12/16		2	1	
7	Roots of cloud computing	20/12/16		2	1	
8	Challenges of Migration	21/12/16		2	1,3	
9	Paradigm for the cloud era	22/12/16		2	1,3	

10	Integration with public, homogeneous and heterogeneous	23/12/16		2	1,3	
11	Jitter bit in Integration and .NET service Bus,ISB	26/12/16		2	1	
12	Cloud computing for enterprise applications	27/12/16		2	1	
13	Adoption strategy and five stages of cloud	27/12/16		2	1	
14	Tutorial-1	28/12/16				
UNIT –II: Infrastructure as a Service(IaaS)						
15	Virtual Machines Provisioning	29/12/16		2	1	1,3,5,7
16	Migration services	29/12/16		2	1	
17	On the management of Virtual Machines for cloud infrastructure	2/1/17		2	1	
18	On the management of Virtual Machines for cloud infrastructure	2/1/17		2	1	
19	Enhancing cloud computing environments using cluster as a service	3/1/17		2	1	
20	Secured distributed data storage in cloud computing	3/1/17		2	1,3	
21	Secured distributed data storage in cloud computing	4/1/17		2	1	
22	Revision	4/1/17				
23	Tutorial - II	5/1/17				
24	MID – I EXAMS	5/1/17				
25		6/1/17				
26		6/1/17				

UNIT –III: Platform and Software as a Service(Aphasias)						
27	Platform and software as a Service	9/1/17		2	2	1,3,5,7
28	Aneka	9/1/17		2	2	
29	Aneka	10/1/17		2	2	
30	Integration of private and public clouds	10/1/17		2	2	
31	Comet cloud	11/1/17		2	2	
32	Comet cloud	11/1/17		2	2	

33	An autonomic cloud engine	12/1/2017		2	2
34	T-systems	12/1/2017		2	2
35	T-systems	13/01/17		2	2
36	Cloud based solutions for business applications	16/01/17		2	2
37	Cloud based solutions for business applications	16/01/17		2	2
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42	Understanding scientific applications	19/01/17		2	2
43	Understanding scientific cloud environments	19/01/17		2	2
44	The Map reduce programming Model	20/01/17		2	2
45	The Map reduce programming Model	20/01/17		2	2
46	Map reduce implementations	23/01/17		2	2
47	Revision	23/01/17			
48	Tutorial - 3	12/1/2017			

UNIT –IV: Monitoring and Management

49	Monitoring and management	25/01/17		2	1,2
50	An architecture for federated cloud computing	26/01/17		2	1,2
51	An architecture for federated cloud computing	26/01/17		2	2
52	An architecture for federated cloud computing	27/01/17		2	2
53	SLA management in cloud computing	27/01/17		2	2
54	SLA management in cloud computing	30/01/17		2	2
55	SLA management in cloud computing	30/01/17		2	1,2
56	A service providers perspective	31/01/17		2	2
57	A service providers perspective	31/01/17		2	2
58	Performance prediction	1/2/2017		2	2
59	Performance prediction	2/2/2017		2	2

1,3,5,7

60	HPC on clouds	2/2/2017		2	1,2		
61	HPC on clouds	3/2/2017		2	1,2		
62	Tutorial - 4	31/01/17					
UNIT –V:Applications							
63	Introduction on applications	3/2/2017		2	1,2	1,3,5,7	
64	Architecting applications for the Amazon Cloud	6/2/2017		2	1,2		
65	Architecting applications for the Amazon Cloud	6/2/2017		2	1,2		
66	Massively multiplayer Online Game hosting on Cloud resources	7/2/2017		2	1,2		
67	Massively multiplayer Online Game hosting on Cloud resources	7/2/2017		2	1,2		
68	Massively multiplayer Online Game hosting on Cloud resources	8/2/2017		2	1,2		
69	Massively multiplayer Online Game hosting on Cloud resources	8/2/2017		2	1,2		
70	Building Content delivery networks	9/2/2017		2	1,2		
71	Building Content delivery networks	9/2/2017		2	1,2		
72	Building Content delivery networks	10/2/2017		2	1,2		
73	Resource cloud mashups	10/2/2017		2	1,2		
74	Resource cloud mashups	11/2/2017		2	1,2		
75	Resource cloud mashups	11/2/2017		2	1,2		
76	Resource cloud mashups	11/2/2017		2	1,2		
77	Revision	12/2/2017		2	1,2		
78	Tutorial – 5	12/2/2017					
79	II MID EXAMS	13/2/17					
80		14/2/17					
81		15/2/17					

Resources Used:

TEXT BOOK

“Cloud Computing: principles and Paradigms”, Raj Kumar Bunya, James Bromberg, Andrej Kosciusko, Wiley, New York, USA

Assessment Summary:

Assessment Task	Weight age (Marks)	Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
Assignments	--					
Quizzes	--					
Tutorials	--					
Surprise Tests	--					
Mid Exams	20					
Model Exams	--					
End Exam	75					
Attendance	05					
Total	100					

Mapping Course Outcomes with Programme Outcomes:

Course Code	Unit	Course Outcomes					Programme Outcomes										
		1	2	3	4	5	a	b	c	d	e	f	g	h	i	j	k
T214	I	×						×	×		×				×		×
	II		×					×	×		×				×		×
	III			×				×	×		×				×		×
	IV				×			×	×		×				×		×
	V					×		×	×		×				×		×

	Instructor	Course Coordinator	Module Coordinator	HOD
Name	B Siva ramakrishna	B Siva ramakrishna		Dr. N. Ravi Shankar
Sign with Date				



LESSON PLAN	Date: 15/07/2016 To 26/11/2016
	SUBJECT NAME : HUMAN COMPUTER INTERFACE BRANCH: CSE SEM & SECTION: VIII &A

T214 – HUMAN COMPUTER INTERFACE

Lecture	: 3 Periods/week	Internal Marks	: 25
Tutorial	: 1	External Marks	: 75
Credits	: 3	External Examinations	: 3 Hrs

UNIT - I

Introduction: Importance of user Interface – definition, importance of good design, benefits of good design. A brief history of Screen design.

The graphical user interface – popularity of graphics, the concept of direct manipulation, graphical system, Characteristics, Web user – Interface popularity, characteristics- Principles of user interface.

UNIT – II

Design process – Human interaction with computers, importance of human characteristics human consideration, Human interaction speeds, understanding business junctions.

UNIT - III

Screen Designing : Design goals – Screen planning and purpose, organizing screen elements, ordering of screen data and content – screen navigation and flow – Visually pleasing composition – amount of information – focus and emphasis – presentation information simply and meaningfully – information retrieval on web – statistical graphics – Technological consideration in interface design.

UNIT - IV

Windows – New and Navigation schemes selection of window, selection of devices based and screen based controls.

UNIT - V

Components – text and messages, Icons and images – Multimedia, colors – uses, problems with choosing colors.

Interaction Devices – Keyboard and function keys – pointing devices – speech recognition digitization and generation – image and video displays – drivers.

TEXT BOOK

The essential guide to user interface design, Wilbert O Galitz, Wiley DreamaTech.

REFERENCES

1. Designing the user interface. 3rd Edition Ben Shneidermann, Pearson Education Asia.
2. Human – Computer Interaction. ALAN DIX, JANET FINCAY, GRE GORYD, ABOWD, RUSSELL BEALG, PEARSON.

Pre requisite: Basic knowledge regarding computer, graphics and screen designs

Course Educational Objectives:

- Demonstrate an understanding of guidelines, principles, and theories influencing human computer interaction.
- Recognize how a computer system may be modified to include human diversity.
- Select an effective style for a specific application.
- Design mock ups and carry out user and expert evaluation of interfaces.
- Carry out the steps of experimental design, usability and experimental testing, and evaluation of human computer interaction systems.
- Use the information sources available, and be aware of the methodologies and technologies supporting advances in HCI.

Course Outcomes: After completion of this course a student can able to


CO1: Understand the importance of the Graphical user interface and popularity of the graphics.

CO2: Understand the importance of human characteristics in design and how people interact with computers.

CO3: Students can articulate and apply common design principles for making good decisions in the design of user interfaces.

CO4: Understand various kinds of windows and their characteristics and have an ability to select the proper device based and screen based controls.

CO5: Understand different components that are available in the screens and various interaction devices which are used to interact with the computer.

	Lakireddy Bali Reddy College of Engineering	
	Department of CSE	
	Outcome based lesson plan	
	Academic year: 2016-17	Course: Human Computer Interface
	Programme: B.Tech	Unit No: 1 to 5
	Year & Sem: III RD & (V sem)	Section: A

S.No	Teaching Learning Process (TLP)	Delivery Methods (DM)	Assessment Methods (AM)
1	Solving Real world problem	Chalk & Talk	Assignments
2	Explaining application before theory	ICT tools	Quiz
3	Solving problems	Group discussions	Tutorials
4	Designing of experiments	Industrial visit	Surprise Tests
5	Problems on environmental, economics, health & safety	Field work	Mid Exams
6	Problems on professional & ethics	Case studies	Model Exam
7	Seminar	Mini Projects	QAs
8	Problems using software	Numerical treatment	
9	Self study	Design / Exercises	

Detailed Lesson Plan

S.NO	TOPIC TO BE COVERED	Date		TLP	DM	AM
		Tentative	Actual			
UNIT –I: Introduction to Graphical User Interface						
1	Introduction : Importance of user Interface	15-7-16		2	1	1,3,5,7
2	Overview of user Interface	16-7-16		2	1	
3	Importance of good design	19-7-16		2	1	
4	Benefits of good design.	20-7-16		2	1	
5	A brief history of Screen design	21-7-16		2	1	
6	The graphical user interface – popularity of graphics	22-7-16		2	1	
7	the concept of direct manipulation	23-7-16		2	1	
8	graphical system Characteristics	26-7-16		2	1,3	

9	graphical system Characteristics	27-7-16		2	1,3	
10	Web user – Interface popularity	28-7-16		2	1,3	
11	Web user – Interface popularity	29-7-16		2	1	
12	Characteristics- Principles of user interface.	30-7-16		2	1	
13	Characteristics- Principles of user interface.	2-8-16		2	1	
14	Tutorial-1	3-8-16				
UNIT –II: Design Process						
15	Design process – Human interaction with computers	4-8-16		2	1	1,3,5,7
16	importance of human characteristics	5-8-16		2	1	
17	human consideration	6-8-16		2	1	
18	Human interaction speeds	9-8-16		2	1	
19	Human interaction speeds	10-8-16		2	1	
20	Understanding business junctions.	11-8-16		2	1,3	
21	Understanding business junctions.	12-8-16		2	1	
22	Revision	13-8-16				
23	Tutorial - II	16-8-16				
24	MID – I EXAMS	16-9-16				
25						
26						

UNIT –III: Screen Designing						
27	Screen Designing : Design goals	17-8-16		2	2	1,3,5,7
28	Screen planning and purpose	19-8-16		2	2	
29	Screen planning and purpose	20-8-16		2	2	
30	organizing screen elements	23-8-16		2	2	
31	organizing screen elements	25-8-16		2	2	
32	ordering of screen data and content	26-8-16		2	2	
33	ordering of screen data and content	27-8-16		2	2	

34	screen navigation and flow	30-8-16		2	2
35	Visually pleasing composition	31-8-16		2	2
36	amount of information	1-9-16		2	2
37	Distinctiveness	2-9-16		2	2
38	focus and emphasis	3-9-16		2	2
39	Conveying Depth of levels or a Three dimensional appearance	6-9-16		2	2
40	presentation information simply and meaningfully	7-9-16		2	2
41	information retrieval on web	8-9-16		2	2
42	Reading, Browsing, and Searching on the Web	9-9-16		2	2
43	Intranet, extranet design guidelines	10-9-16		2	2
44	statistical graphics	13-9-16		2	2
45	Technological consideration in interface design	14-9-16		2	2
46	Graphical systems, web systems	15-9-16		2	2
47	MID-I	16-9-16			
		17-9-16			
		19-9-16			
48	Tutorial - 3	20-9-16			
49	Windows – New and Navigation schemes	21-9-16		2	1,2
50	Structure of Menu, Functions of Menu	22-9-16		2	1,2
51	Functions of Menu	23-9-16		2	2
52	Content of Menu, Formatting Menu	24-9-16		2	2
53	Phrasing the Menu, Selecting Menu Choices	27-9-16		2	2
54	Navigating Menu, Kinds of Graphical Menu	28-9-16		2	2
55	selection of window	29-9-16		2	1,2

1,3,5,7

56	Components of Window	30-9-16		2	2		
57	Window Presentation Styles, Types of Windows	1-10-16		2	2		
58	Selection of devices based controls	4-10-16		2	2		
59	Selection of devices based controls	5-10-16		2	2		
60	Selection of screen based controls.	6-10-16		2	1,2		
61	Selection of screen based controls.	7-10-16		2	1,2		
62	Tutorial - 4	8-10-16					
UNIT –V:Components & Interaction Devices							
63	Components – text and messages	18-10-16		2	1,2	1,3,5,7	
64	Text for web pages	19-10-16		2	1,2		
65	Icons and increases	20-10-16		2	1,2		
66	Kinds of Icons, characteristics of Icons	21-10-16		2	1,2		
67	Multimedia	22-10-16		2	1,2		
68	Colors uses.	25-10-16		2	1,2		
69	problems with choosing colors	26-10-16		2	1,2		
70	Interaction Devices	27-10-16		2	1,2		
71	Keyboard and function keys	28-10-16		2	1,2		
72	pointing devices	29-10-16		2	1,2		
73	speech recognition	1-11-16		2	1,2		
74	digitization and generation	2-11-16		2	1,2		
75	image and video displays	3-11-16		2	1,2		
76	Drivers.	4-11-16		2	1,2		
77	Revision	5-11-16		2	1,2		
78	Tutorial – 5	8-11-16					
79	Revision	9-11-16					
80	Revision	10-11-16					
81	Revision	11-11-16					
82	Revision	12-11-16					
83	Revision	15-11-16					

84	Revision	16-11-16				
85	Revision	17-11-16				
86	Revision	18-11-16				
87	Revision	19-11-16				
88	Revision	22-11-16				
89	Revision	23-11-16				
90	Revision	24-11-16				
91	Revision	25-11-16				
92	Revision	26-11-16				
93	II MID EXAMS	28-11-16				
94		29-11-16				
95		30-11-16				

Resources Used:

TEXT BOOK

1. The essential guide to user interface design, Wilbert O Galitz, Wiley DreamaTech.

REFERENCES

2. Designing the user interface. 3rd Edition Ben Shneidermann, Pearson Education Asia.
3. Human – Computer Interaction. ALAN DIX, JANET FINCAY, GRE GORYD, ABOWD, RUSSELL BEALG, PEARSON.


Assessment Summary:

Assessment Task	Weight age (Marks)	Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
Assignments	--					
Quizzes	--					
Tutorials	--					
Surprise Tests	--					
Mid Exams	20					
Model Exams	--					
End Exam	75					
Attendance	05					
Total	100					

Mapping Course Outcomes with Programme Outcomes:

Course Code	Unit	Course Outcomes					Programme Outcomes										
		1	2	3	4	5	a	b	c	d	e	f	g	h	i	j	k
T214	I	×						×	×		×				×		×
	II		×					×	×		×				×		×
	III			×				×	×		×				×		×
	IV				×			×	×		×				×		×
	V					×		×	×		×				×		×

	Instructor	Course Coordinator	Module Coordinator	HOD
Name	V.Siva Krishna			Dr. N. Ravi Shankar
Sign with Date				

	LESSON PLAN	Date: 15/07/2016 To 26/11/2016
	SUBJECT NAME : HUMAN COMPUTER INTERFACE BRANCH: CSE SEM & SECTION: VIII & B	

T214 – HUMAN COMPUTER INTERFACE

Lecture	: 3 Periods/week	Internal Marks	: 25
Tutorial	: 1	External Marks	: 75
Credits	: 3	External Examinations	: 3 Hrs

UNIT - I

Introduction: Importance of user Interface – definition, importance of good design, benefits of good design. A brief history of Screen design.

The graphical user interface – popularity of graphics, the concept of direct manipulation, graphical system, Characteristics, Web user – Interface popularity, characteristics- Principles of user interface.

UNIT – II

Design process – Human interaction with computers, importance of human characteristics human consideration, Human interaction speeds, understanding business junctions.

UNIT - III

Screen Designing : Design goals – Screen planning and purpose, organizing screen elements, ordering of screen data and content – screen navigation and flow – Visually pleasing composition – amount of information – focus and emphasis – presentation information simply and meaningfully – information retrieval on web – statistical graphics – Technological consideration in interface design.

UNIT - IV

Windows – New and Navigation schemes selection of window, selection of devices based and screen based controls.

UNIT - V

Components – text and messages, Icons and images – Multimedia, colors – uses, problems with choosing colors.

Interaction Devices – Keyboard and function keys – pointing devices – speech recognition digitization and generation – image and video displays – drivers.

TEXT BOOK

The essential guide to user interface design, Wilbert O Galitz, Wiley DreamaTech.

REFERENCES

3. Designing the user interface. 3rd Edition Ben Shneidermann, Pearson Education Asia.
4. Human – Computer Interaction. ALAN DIX, JANET FINCAY, GRE GORYD, ABOWD, RUSSELL BEALG, PEARSON.

Pre requisite: Basic knowledge regarding computer, graphics and screen designs

Course Educational Objectives:

- Demonstrate an understanding of guidelines, principles, and theories influencing human computer interaction.
- Recognize how a computer system may be modified to include human diversity.
- Select an effective style for a specific application.
- Design mock ups and carry out user and expert evaluation of interfaces.
- Carry out the steps of experimental design, usability and experimental testing, and evaluation of human computer interaction systems.
- Use the information sources available, and be aware of the methodologies and technologies supporting advances in HCI.

Course Outcomes: After completion of this course a student can able to


CO1: Understand the importance of the Graphical user interface and popularity of the graphics.

CO2: Understand the importance of human characteristics in design and how people interact with computers.

CO3: Students can articulate and apply common design principles for making good decisions in the design of user interfaces.

CO4: Understand various kinds of windows and their characteristics and have an ability to select the proper device based and screen based controls.

CO5: Understand different components that are available in the screens and various interaction devices which are used to interact with the computer.

	Lakireddy Bali Reddy College of Engineering	
	Department of CSE	
	Outcome based lesson plan	
	Academic year: 2016-17	Course: Human Computer Interface
	Programme: B.Tech	Unit No: 1 to 5
	Year & Sem: III RD & (V sem)	Section: A

S.No	Teaching Learning Process (TLP)	Delivery Methods (DM)	Assessment Methods (AM)
1	Solving Real world problem	Chalk & Talk	Assignments
2	Explaining application before theory	ICT tools	Quiz
3	Solving problems	Group discussions	Tutorials
4	Designing of experiments	Industrial visit	Surprise Tests
5	Problems on environmental, economics, health & safety	Field work	Mid Exams
6	Problems on professional & ethics	Case studies	Model Exam
7	Seminar	Mini Projects	QAs
8	Problems using software	Numerical treatment	
9	Self study	Design / Exercises	

Detailed Lesson Plan

S.NO	TOPIC TO BE COVERED	Date		TLP	DM	AM
		Tentative	Actual			
UNIT –I: Introduction to Graphical User Interface						
1	Introduction : Importance of user Interface	15-7-16		2	1	1,3,5,7
2	Overview of user Interface	16-7-16		2	1	
3	Importance of good design	19-7-16		2	1	
4	Benefits of good design.	20-7-16		2	1	
5	A brief history of Screen design	21-7-16		2	1	
6	The graphical user interface – popularity of graphics	22-7-16		2	1	
7	the concept of direct manipulation	23-7-16		2	1	
8	graphical system Characteristics	26-7-16		2	1,3	

9	graphical system Characteristics	27-7-16		2	1,3	
10	Web user – Interface popularity	28-7-16		2	1,3	
11	Web user – Interface popularity	29-7-16		2	1	
12	Characteristics- Principles of user interface.	30-7-16		2	1	
13	Characteristics- Principles of user interface.	2-8-16		2	1	
14	Tutorial-1	3-8-16				
UNIT –II: Design Process						
15	Design process – Human interaction with computers	4-8-16		2	1	1,3,5,7
16	importance of human characteristics	5-8-16		2	1	
17	human consideration	6-8-16		2	1	
18	Human interaction speeds	9-8-16		2	1	
19	Human interaction speeds	10-8-16		2	1	
20	Understanding business junctions.	11-8-16		2	1,3	
21	Understanding business junctions.	12-8-16		2	1	
22	Revision	13-8-16				
23	Tutorial - II	16-8-16				
24	MID – I EXAMS	16-9-16				
25						
26						

UNIT –III: Screen Designing						
27	Screen Designing : Design goals	17-8-16		2	2	1,3,5,7
28	Screen planning and purpose	19-8-16		2	2	
29	Screen planning and purpose	20-8-16		2	2	
30	organizing screen elements	23-8-16		2	2	
31	organizing screen elements	25-8-16		2	2	
32	ordering of screen data and content	26-8-16		2	2	
33	ordering of screen data and content	27-8-16		2	2	

34	screen navigation and flow	30-8-16		2	2
35	Visually pleasing composition	31-8-16		2	2
36	amount of information	1-9-16		2	2
37	Distinctiveness	2-9-16		2	2
38	focus and emphasis	3-9-16		2	2
39	Conveying Depth of levels or a Three dimensional appearance	6-9-16		2	2
40	presentation information simply and meaningfully	7-9-16		2	2
41	information retrieval on web	8-9-16		2	2
42	Reading, Browsing, and Searching on the Web	9-9-16		2	2
43	Intranet, extranet design guidelines	10-9-16		2	2
44	statistical graphics	13-9-16		2	2
45	Technological consideration in interface design	14-9-16		2	2
46	Graphical systems, web systems	15-9-16		2	2
47	MID-I	16-9-16			
		17-9-16			
		19-9-16			
48	Tutorial - 3	20-9-16			
49	Windows – New and Navigation schemes	21-9-16		2	1,2
50	Structure of Menu, Functions of Menu	22-9-16		2	1,2
51	Functions of Menu	23-9-16		2	2
52	Content of Menu, Formatting Menu	24-9-16		2	2
53	Phrasing the Menu, Selecting Menu Choices	27-9-16		2	2
54	Navigating Menu, Kinds of Graphical Menu	28-9-16		2	2
55	selection of window	29-9-16		2	1,2

1,3,5,7

56	Components of Window	30-9-16		2	2		
57	Window Presentation Styles, Types of Windows	1-10-16		2	2		
58	Selection of devices based controls	4-10-16		2	2		
59	Selection of devices based controls	5-10-16		2	2		
60	Selection of screen based controls.	6-10-16		2	1,2		
61	Selection of screen based controls.	7-10-16		2	1,2		
62	Tutorial - 4	8-10-16					
UNIT –V:Components & Interaction Devices							
63	Components – text and messages	18-10-16		2	1,2	1,3,5,7	
64	Text for web pages	19-10-16		2	1,2		
65	Icons and increases	20-10-16		2	1,2		
66	Kinds of Icons, characteristics of Icons	21-10-16		2	1,2		
67	Multimedia	22-10-16		2	1,2		
68	Colors uses.	25-10-16		2	1,2		
69	problems with choosing colors	26-10-16		2	1,2		
70	Interaction Devices	27-10-16		2	1,2		
71	Keyboard and function keys	28-10-16		2	1,2		
72	pointing devices	29-10-16		2	1,2		
73	speech recognition	1-11-16		2	1,2		
74	digitization and generation	2-11-16		2	1,2		
75	image and video displays	3-11-16		2	1,2		
76	Drivers.	4-11-16		2	1,2		
77	Revision	5-11-16		2	1,2		
78	Tutorial – 5	8-11-16					
79	Revision	9-11-16					
80	Revision	10-11-16					
81	Revision	11-11-16					
82	Revision	12-11-16					
83	Revision	15-11-16					

84	Revision	16-11-16				
85	Revision	17-11-16				
86	Revision	18-11-16				
87	Revision	19-11-16				
88	Revision	22-11-16				
89	Revision	23-11-16				
90	Revision	24-11-16				
91	Revision	25-11-16				
92	Revision	26-11-16				
93	II MID EXAMS	28-11-16				
94		29-11-16				
95		30-11-16				

Resources Used:

TEXT BOOK

4. The essential guide to user interface design, Wilbert O Galitz, Wiley DreamaTech.

REFERENCES

5. Designing the user interface. 3rd Edition Ben Shneidermann, Pearson Education Asia.
6. Human – Computer Interaction. ALAN DIX, JANET FINCAY, GRE GORYD, ABOWD, RUSSELL BEALG, PEARSON.


Assessment Summary:

Assessment Task	Weight age (Marks)	Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
Assignments	--					
Quizzes	--					
Tutorials	--					
Surprise Tests	--					
Mid Exams	20					
Model Exams	--					
End Exam	75					
Attendance	05					
Total	100					

Mapping Course Outcomes with Programme Outcomes:

Course Code	Unit	Course Outcomes					Programme Outcomes										
		1	2	3	4	5	a	b	c	d	e	f	g	h	i	j	k
T214	I	×						×	×		×				×		×
	II		×					×	×		×				×		×
	III			×				×	×		×				×		×
	IV				×			×	×		×				×		×
	V					×		×	×		×				×		×

	Instructor	Course Coordinator	Module Coordinator	HOD
Name	V.Siva Krishna			Dr. N. Ravi Shankar
Sign with Date				

	LESSON PLAN T221- INDUSTRIAL MANAGEMENT	Date: 15/07/2016
	Branch: CSE	Semester & Sections: I

T221 – INDUSTRIAL MANAGEEMNT

Lecture : 4 Periods/week

Internal Marks: 25

Tutorial : 1

External Marks: 75

Credits : 4

External

Examination: 3 Hrs

UNIT – I; *Introduction to management;*

Definition, Nature, importance, Functions of Management- Taylor's Scientific Management, Fayol's Principles of Management, Elton Mayo theory, Maslow, Herzberg, Douglas Mc Gregor, Basic concepts of Organization- Authority, Responsibility, Delegation of Authority, Span of control, Departmentalization, Decentralization, and organization structures.

UNIT – II; *Operations Management:*

Plant Location, Factors influencing location, Principles and Types of Plant layout- methods of production, work study, Basic Procedure involved in method study and work measurement.

UNIT – III; *Quality and Material Management:*

Statistical Quality Control- Meaning, variables and attributes- X chart, R chart, C chart, P chart and problems, Acceptance sampling, sampling plans, Deming's contribution to quality, Materials Management: Objectives, Need for inventory control, Purchase procedure, store records, EOQ, ABC analysis, stock levels.

UNIT – IV: *Human Resource Management:*

HRM; concepts, basic concepts of HR manager, Manpower planning, Recruitment, Selection, Training and Development, Placement. Wage and Salary Administration, Promotion, Transfer, Separation, Performance Appraisal, Job evaluation and Merit Rating.

UNIT – V *Project Management:*

Early techniques in project Management- Network Analysis, PERT, CPM, identifying critical path, Probability of completing the project with given time. Project cost analysis, project crashing and problems.

TEXT BOOK

Management Science, TMH, Dr. Aryasri, 4th edition, 2009

REFERENCES

1. Kooniz and Waihrich- Essentials of Management, TMH, 8th edition, 2010
2. O.P.Khana, Industrial Engineering and Management.

Prerequisite: Industrial management, Management concepts and programs

Course Educational Objectives:

1. To make students understand management, its principles, contribution to management, organization, and its basic issues and types
2. To make students the concept of plant location and its factors and plant layout and types, method of production and work study importance
3. To make students understand quality control uses and material management techniques
4. To make understand the concept of HRM and its functions
5. To make students understand PERT & CPM methods in effective project management and need of project crashing and its consequence on cost of project

COURSE OUTCOMES: After the completion of the course, students should be able to


CO1: Apply management principles to the particle situations to be in a position to know which type of business organization structure suits

CO2: Able to make decision making relating to the problems in operations and production activities there by improving the productivity by proper utilization input factors by designing the better working methods and with better work study techniques.

CO3: Able to improve quality of working through SQC techniques and also in a position to reduce the investment in materials through better control of inventory

CO4: Able to manage people in working environment with the practices of HRM across corporate businesses.

CO5: Able to use PERT & CPM techniques in effective project management to identify critical path and try to complete projects on time as well as reducing the project durations if need arises.

	Lakireddy Bali Reddy College of Engineering	
	Department of CSE	
	Outcome based lesson plan	
	Academic year: 2015-16	Course: Industrial Management
	Programme: B.Tech	Unit No: 1 to 5
	Year & Sem: VIII	Section: A

S.No	Teaching Learning Process (TLP)	Delivery Methods (DM)	Assessment Methods (AM)
1	Solving Real world problem	Chalk & Talk	Assignments
2	Explaining application before theory	ICT tools	Quiz
3	Solving problems	Group discussions	Tutorials
4	Designing of experiments	Industrial visit	Surprise Tests
5	Problems on environmental, economics, health & safety	Field work	Mid Exams
6	Problems on professional & ethics	Case studies	Model Exam
7	Seminar	Mini Projects	QAs
8	Problems using Software	Numerical treatment	
9	Self study	Design / Exercises	

Detailed Lesson Plan

S.NO	TOPIC TO BE COVERED	Date		TLP	DM	AM
		Tentative	Actual			
UNIT-I						
1	UNIT I Management Introduction	15-7-16		1	1,2	3,6
2	Definition, Nature	16-7-16		1	1,2	
3	Importance of management	19-7-16		1	1,2	
4	Functions of management	20-7-16		1	1,2	
5	Taylor's scientific management theory	21-7-16		1	1,2	
6	Fayol's principles of management	22-7-16		1	1,2	
7	Fayol's principles of management	23-7-16		1	1,2	
8	Contribution of Elton mayo	26-7-16		1	1,2	
9	Maslows theory	27-7-16		1	1,2	
10	Herzberg, Douglas, MC Gregor, basic concepts of Organization	28-7-16		1	1,2	
11	Basic concepts of organization	29-7-16		1	1,2	

12	Authority Responsibility	30-7-16		1	1,2	
13	Tutorials	2-8-16		1	1,2	
14	UNIT- II			1	1,2	
15	Plant location ,Factors influencing location	4-8-16		1	1,2	
16	Principles and types of plant layouts	5-8-16		1	1,2	
17	Methods of production : job batch and mass production	6-8-16		1	1,2	
18	Work study	9-8-16		1	1,2	
19	Basic procedure involved in method study	10-8-16		1	1,2	
20	Work measurement	11-8-16		1	1,2	
21	I MID	14-8-16		1	1,2	
22	I MID	15-8-16		1	1,2	
23	I MID	16-8-16		1	1,2	
24	UNIT-III	17-8-16		1	1,2	
25	Statistical quality control Meaning	19-8-16		1	1,2	
26	Variables and attributes	20-8-16		1	1,2	
27	X chart R Chart C Chart PC chart	23-8-16		1	1,2	
28	X chart R Chart C Chart P C chart	25-8-16		1	1,2	
29	X chart problems	26-8-16		1	1,2	
30	R Chart problems	27-8-16		1	1,2	
31	C Chart problems	30-8-16		1	1,2	
32	P C chart problems	31-8-16		1	1,2	
33	Acceptance sampling & Sampling plans	1-9-16		1	1,2	
34	Deming's contribution to quality	2-9-16		1	1,2	
35	Deming's contribution to quality	3-9-16		1	1,2	
36	Materials management	6-9-16		1	1,2	3,6
37	Objectives	7-9-16		1	1,2	
38	Purchase procedure	8-9-16		1	1,2	
39	Purchase procedure	9-9-16		1	1,2	
40	Store records	10-9-16		1	1,2	
41	Inventory control	13-9-16		1	1,2	
42	Store records	14-9-16		1	1,2	
43	ABC analysis	15-9-16		1	1,2	
44	ABC analysis	16-9-16		1	1,2	
45	ABC analysis	20-9-16		1	1,2	
46	EOQ analysis	21-9-16		1	1,2	
47	EOQ analysis	22-9-16		1	1,2	
48	EOQ analysis	23-9-16		1	1,2	
49	ABC/EOQ analysis problems	24-9-16		1	1,2	
50	ABC/EOQ analysis problems	27-9-16		1	1,2	

51	Stock level problems	28-9-16		1	1,2
52	Stock level problems	29-9-16		1	1,2
53	Problems	30-9-16		1	1,2
54	Problems	1-10-16		1	1,2
55	Assignment	4-10-16		1	1,2
56	Presentations	5-10-16		1	1,2
57	Tutorial	6-10-16		1	1,2

UNIT-IV

58	Concepts of HRM	7-10-16		1	1,2
59	Basic functions	8-10-16		1	1,2
60	Operative functions	18-10-16		1	1,2
61	Operative functions	19-10-16		1	1,2
62	Managerial functions	20-10-16		1	1,2
63	Managerial functions	21-10-16		1	1,2
64	Man power planning	22-10-16		1	1,2
65	Recruitment	25-10-16		1	1,2
66	Selection	26-10-16		1	1,2
67	Training and development	27-10-16		1	1,2
68	Training and development	28-10-16		1	1,2
69	Placement	29-10-16		1	1,2
70	Induction	1-11-16		1	1,2
71	Wage, salary administration	2-11-16		1	1,2
72	Placement, Wage and salary administration	3-11-16		1	1,2
73	Job evaluation	4-11-16		1	1,2
74	Job analysis	5-11-16		1	1,2
75	Job description	8-11-16		1	1,2
76	Job specification	9-11-16		1	1,2
77	Promotion, transfer-	10-11-16		1	1,2

UNIT-V

78	Early techniques in project management	11-11-16		1	1,2
79	PERT & CPM concepts	12-11-16		1	1,2
80	PERT: Basic Network terminology	15-11-16		1	1,2
81	Rules for drawing Network	16-11-16		1	1,2
82	Application of Network Techniques to engineering problems	17-11-16		1	1,2
83	Network analysis	18-11-16		1	1,2
84	Network analysis problem	19-11-16		1	1,2
85	Programme evaluation and review technique (PERT)	22-11-16		1	1,2
86	Critical path method	23-11-16		1	1,2
87	PERT Problems	24-11-16		1	1,2

88	PERT Problems	25-11-16		1	1,2
89	Need for float in CPM network	26-11-16		1	1,2
90	Identifying critical path	16-11-16		1	1,2
91	Identifying critical path- problems	17-11-16		1	1,2
92	Project cost analysis project crashing	18-11-16		1	1,2
93	Project cost analysis project crashing	19-11-16		1	1,2
94	Project crashing problems	22-11-16		1	1,2
95	II MID EXAMS	28-11-16		1	1,2
96		29-11-16		1	1,2

Resources Used:

Text Book:

Management Science, TMH, Dr. Aryasri, 4th edition, 2009

References:

1. Kooniz and Waihrich- Essentials of Management, TMH, 8th edition, 2010
2. O.P.Khana, Industrial Engineering and Management.


Assessment Summary:

Assessment Task	Weight age (Marks)	Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
Assignments	--					
Quizzes	--					
Tutorials	--					
Surprise Tests	--					
Mid Exams	20					
Model Exams	--					
End Exam	75					
Attendance	05					
Total	100					

Mapping Course Outcomes with Programme Outcomes:

Course Code	Unit	Course Outcomes					Programme Outcomes										
		1	2	3	4	5	a	b	c	d	e	f	g	h	i	j	k
T221	I	x					x		x					x	x	x	x
	II		x						x		x	x	x	x	x		x
	III			x					x		x	x	x	x	x		x
	IV				x				x		x	x	x	x	x		x
	V					x			x		x	x	x	x	x		x

	Instructor	Course Coordinator	Module Coordinator	HOD
Name	U.Rambabu	U.Rambabu	U.Rambabu	Dr.A.Adiseha reddy
Sign with Date				

	LESSON PLAN T221- INDUSTRIAL MANAGEMENT	Date: 15/07/2016
	Branch: CSE	Semester & Sections: I

T221 – INDUSTRIAL MANAGEEMNT

Lecture : 4 Periods/week

Internal Marks: 25

Tutorial : 1

External Marks: 75

Credits : 4

External

Examination: 3 Hrs

UNIT – I; *Introduction to management;*

Definition, Nature, importance, Functions of Management- Taylor's Scientific Management, Fayol's Principles of Management, Elton Mayo theory, Maslow, Herzberg, Douglas Mc Gregor, Basic concepts of Organization- Authority, Responsibility, Delegation of Authority, Span of control, Departmentalization, Decentralization, and organization structures.

UNIT – II; *Operations Management:*

Plant Location, Factors influencing location, Principles and Types of Plant layout- methods of production, work study, Basic Procedure involved in method study and work measurement.

UNIT – III; *Quality and Material Management:*

Statistical Quality Control- Meaning, variables and attributes- X chart, R chart, C chart, P chart and problems, Acceptance sampling, sampling plans, Deming's contribution to quality, Materials Management: Objectives, Need for inventory control, Purchase procedure, store records, EOQ, ABC analysis, stock levels.

UNIT – IV: *Human Resource Management:*

HRM; concepts, basic concepts of HR manager, Manpower planning, Recruitment, Selection, Training and Development, Placement. Wage and Salary Administration, Promotion, Transfer, Separation, Performance Appraisal, Job evaluation and Merit Rating.

UNIT – V *Project Management:*

Early techniques in project Management- Network Analysis, PERT, CPM, identifying critical path, Probability of completing the project with given time. Project cost analysis, project crashing and problems.

TEXT BOOK

Management Science, TMH, Dr. Aryasri, 4th edition, 2009

REFERENCES

3. Kooniz and Waihrich- Essentials of Management, TMH, 8th edition, 2010
4. O.P.Khana, Industrial Engineering and Management.

Prerequisite: Industrial management, Management concepts and programs

Course Educational Objectives:

6. To make students understand management, its principles, contribution to management, organization, and its basic issues and types
7. To make students the concept of plant location and its factors and plant layout and types, method of production and work study importance
8. To make students understand quality control uses and material management techniques
9. To make understand the concept of HRM and its functions
10. To make students understand PERT & CPM methods in effective project management and need of project crashing and its consequence on cost of project

COURSE OUTCOMES: After the completion of the course, students should be able to


CO1: Apply management principles to the particle situations to be in a position to know which type of business organization structure suits

CO2: Able to make decision making relating to the problems in operations and production activities there by improving the productivity by proper utilization input factors by designing the better working methods and with better work study techniques.

CO3: Able to improve quality of working through SQC techniques and also in a position to reduce the investment in materials through better control of inventory

CO4: Able to manage people in working environment with the practices of HRM across corporate businesses.

CO5: Able to use PERT & CPM techniques in effective project management to identify critical path and try to complete projects on time as well as reducing the project durations if need arises.

	Lakireddy Bali Reddy College of Engineering	
	Department of CSE	
	Outcome based lesson plan	
	Academic year: 2015-16	Course: Industrial Management
	Programme: B.Tech	Unit No: 1 to 5
	Year & Sem: VIII	Section: A

S.No	Teaching Learning Process (TLP)	Delivery Methods (DM)	Assessment Methods (AM)
1	Solving Real world problem	Chalk & Talk	Assignments
2	Explaining application before theory	ICT tools	Quiz
3	Solving problems	Group discussions	Tutorials
4	Designing of experiments	Industrial visit	Surprise Tests
5	Problems on environmental, economics, health & safety	Field work	Mid Exams
6	Problems on professional & ethics	Case studies	Model Exam
7	Seminar	Mini Projects	QAs
8	Problems using Software	Numerical treatment	
9	Self study	Design / Exercises	

Detailed Lesson Plan

S.NO	TOPIC TO BE COVERED	Date		TLP	DM	AM
		Tentative	Actual			
UNIT-I						
1	UNIT I Management Introduction	15-7-16		1	1,2	3,6
2	Definition, Nature	16-7-16		1	1,2	
3	Importance of management	19-7-16		1	1,2	
4	Functions of management	20-7-16		1	1,2	
5	Taylor's scientific management theory	21-7-16		1	1,2	
6	Fayol's principles of management	22-7-16		1	1,2	
7	Fayol's principles of management	23-7-16		1	1,2	
8	Contribution of Elton mayo	26-7-16		1	1,2	
9	Maslows theory	27-7-16		1	1,2	
10	Herzberg, Douglas, MC Gregor, basic concepts of Organization	28-7-16		1	1,2	
11	Basic concepts of organization	29-7-16		1	1,2	

12	Authority Responsibility	30-7-16		1	1,2	
13	Tutorials	2-8-16		1	1,2	
14	UNIT- II			1	1,2	
15	Plant location ,Factors influencing location	4-8-16		1	1,2	
16	Principles and types of plant layouts	5-8-16		1	1,2	
17	Methods of production : job batch and mass production	6-8-16		1	1,2	
18	Work study	9-8-16		1	1,2	
19	Basic procedure involved in method study	10-8-16		1	1,2	
20	Work measurement	11-8-16		1	1,2	
21	I MID	14-8-16		1	1,2	
22	I MID	15-8-16		1	1,2	
23	I MID	16-8-16		1	1,2	
24	UNIT-III	17-8-16		1	1,2	
25	Statistical quality control Meaning	19-8-16		1	1,2	
26	Variables and attributes	20-8-16		1	1,2	
27	X chart R Chart C Chart PC chart	23-8-16		1	1,2	
28	X chart R Chart C Chart P C chart	25-8-16		1	1,2	
29	X chart problems	26-8-16		1	1,2	
30	R Chart problems	27-8-16		1	1,2	
31	C Chart problems	30-8-16		1	1,2	
32	P C chart problems	31-8-16		1	1,2	
33	Acceptance sampling & Sampling plans	1-9-16		1	1,2	
34	Deming's contribution to quality	2-9-16		1	1,2	
35	Deming's contribution to quality	3-9-16		1	1,2	
36	Materials management	6-9-16		1	1,2	3,6
37	Objectives	7-9-16		1	1,2	
38	Purchase procedure	8-9-16		1	1,2	
39	Purchase procedure	9-9-16		1	1,2	
40	Store records	10-9-16		1	1,2	
41	Inventory control	13-9-16		1	1,2	
42	Store records	14-9-16		1	1,2	
43	ABC analysis	15-9-16		1	1,2	
44	ABC analysis	16-9-16		1	1,2	
45	ABC analysis	20-9-16		1	1,2	
46	EOQ analysis	21-9-16		1	1,2	
47	EOQ analysis	22-9-16		1	1,2	
48	EOQ analysis	23-9-16		1	1,2	
49	ABC/EOQ analysis problems	24-9-16		1	1,2	
50	ABC/EOQ analysis problems	27-9-16		1	1,2	

51	Stock level problems	28-9-16		1	1,2
52	Stock level problems	29-9-16		1	1,2
53	Problems	30-9-16		1	1,2
54	Problems	1-10-16		1	1,2
55	Assignment	4-10-16		1	1,2
56	Presentations	5-10-16		1	1,2
57	Tutorial	6-10-16		1	1,2

UNIT-IV

58	Concepts of HRM	7-10-16		1	1,2
59	Basic functions	8-10-16		1	1,2
60	Operative functions	18-10-16		1	1,2
61	Operative functions	19-10-16		1	1,2
62	Managerial functions	20-10-16		1	1,2
63	Managerial functions	21-10-16		1	1,2
64	Man power planning	22-10-16		1	1,2
65	Recruitment	25-10-16		1	1,2
66	Selection	26-10-16		1	1,2
67	Training and development	27-10-16		1	1,2
68	Training and development	28-10-16		1	1,2
69	Placement	29-10-16		1	1,2
70	Induction	1-11-16		1	1,2
71	Wage, salary administration	2-11-16		1	1,2
72	Placement, Wage and salary administration	3-11-16		1	1,2
73	Job evaluation	4-11-16		1	1,2
74	Job analysis	5-11-16		1	1,2
75	Job description	8-11-16		1	1,2
76	Job specification	9-11-16		1	1,2
77	Promotion, transfer-	10-11-16		1	1,2

UNIT-V

78	Early techniques in project management	11-11-16		1	1,2
79	PERT & CPM concepts	12-11-16		1	1,2
80	PERT: Basic Network terminology	15-11-16		1	1,2
81	Rules for drawing Network	16-11-16		1	1,2
82	Application of Network Techniques to engineering problems	17-11-16		1	1,2
83	Network analysis	18-11-16		1	1,2
84	Network analysis problem	19-11-16		1	1,2
85	Programme evaluation and review technique (PERT)	22-11-16		1	1,2
86	Critical path method	23-11-16		1	1,2
87	PERT Problems	24-11-16		1	1,2

88	PERT Problems	25-11-16		1	1,2
89	Need for float in CPM network	26-11-16		1	1,2
90	Identifying critical path	16-11-16		1	1,2
91	Identifying critical path- problems	17-11-16		1	1,2
92	Project cost analysis project crashing	18-11-16		1	1,2
93	Project cost analysis project crashing	19-11-16		1	1,2
94	Project crashing problems	22-11-16		1	1,2
95	II MID EXAMS	28-11-16		1	1,2
96		29-11-16		1	1,2

Resources Used:

Text Book:

Management Science, TMH, Dr. Aryasri, 4th edition, 2009

References:

3. Kooniz and Waihrich- Essentials of Management, TMH, 8th edition, 2010
4. O.P.Khana, Industrial Engineering and Management.

Assessment Summary:

Assessment Task	Weight age (Marks)	Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
Assignments	--					
Quizzes	--					
Tutorials	--					
Surprise Tests	--					
Mid Exams	20					
Model Exams	--					
End Exam	75					
Attendance	05					
Total	100					

Mapping Course Outcomes with Programme Outcomes:

Course Code	Unit	Course Outcomes					Programme Outcomes										
		1	2	3	4	5	a	b	c	d	e	f	g	h	i	j	k
T221	I	×					×		×					×	×	×	×
	II		×						×		×	×	×	×	×		×
	III			×					×		×	×	×	×	×		×
	IV				×				×		×	×	×	×	×		×
	V					×			×		×	×	×	×	×		×

	Instructor	Course Coordinator	Module Coordinator	HOD
Name	K.Ravi Kiran Yasaswi	K.Ravi Kiran Yasaswi	U.Rambabu	Dr.A.Adiseha reddy
Sign with Date				