	LESSON PLAN	Date:
	SUBJECT NAME : HUMAN COMPUTER INTERFACE BRANCH: CSE SEM & SECTION: VIII & B	07/12/2015 To 27/04/2016

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, RUSSE**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: 2015-16	Course: Human Computer Interface
	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: Introduction to Graphical User Interface						
1	**Introduction :** Importance of user Interface	7/12/15		2	1	1,3,5,7
2	Overview of user Interface	7/12/15		2	1	
3	Importance of good design	8/12/15		2	1	
4	Benefits of good design.	9/12/15		2	1	
5	A brief history of Screen design	9/12/15		2	1	
6	**The graphical user interface** – popularity of graphics	11/12/15		2	1	
7	the concept of direct manipulation	11/12/15		2	1	
8	graphical system Characteristics	14/12/15		2	1,3	
9	graphical system Characteristics	14/12/15		2	1,3	
10	Web user – Interface popularity	15/12/15		2	1,3	

11	Web user – Interface popularity	16/12/15		2	1	
12	Characteristics- Principles of user interface.	16/12/15		2	1	
13	Characteristics- Principles of user interface.	18/12/15		2	1	
14	**Tutorial-1**	18/12/15				
UNIT –II: Design Process						
15	**Design process** – Human interaction with computers	21/12/15		2	1	1,3,5,7
16	importance of human characteristics	21/12/15		2	1	
17	human consideration	22/12/15		2	1	
18	Human interaction speeds	23/12/15		2	1	
19	Human interaction speeds	23/12/15		2	1	
20	Understanding business junctions.	28/12/15		2	1,3	
21	Understanding business junctions.	28/12/15		2	1	
22	Revision	29/12/15				
23	**Tutorial - II**	30/12/15				
24	**MID – I EXAMS**					
25						
26						
UNIT –III: Screen Designing						
27	**Screen Designing :** Design goals	30/12/15		2	2	1,3,5,7
28	Screen planning and purpose	4/01/16		2	2	
29	Screen planning and purpose	4/01/16		2	2	
30	organizing screen elements	5/01/16		2	2	
31	organizing screen elements	6/01/16		2	2	
32	ordering of screen data and content	6/01/16		2	2	
33	ordering of screen data and content	8/01/16		2	2	
34	screen navigation and flow	8/01/16		2	2	
35	Visually pleasing composition	18/01/16		2	2	
36	amount of information	18/01/16		2	2	
37	Distinctiveness	19/01/16		2	2	
38	focus and emphasis	20/01/16		2	2	

39	Conveying Depth of levels or a Three dimensional appearance	20/01/16		2	2	
40	presentation information simply and meaningfully	22/01/16		2	2	
41	information retrieval on web	22/01/16		2	2	
42	Reading, Browsing, and Searching on the Web	25/01/16		2	2	
43	Intranet, extranet design guidelines	25/01/16		2	2	
44	statistical graphics	26/01/16		2	2	
45	Technological consideration in interface design	27/01/16		2	2	
46	Graphical systems, web systems	27/01/16		2	2	
47	Revision	29/01/16				
48	**Tutorial - 3**	29/01/16				
	UNIT –IV: Windows					
49	**Windows** – New and Navigation schemes	1/02/16		2	1,2	1,3,5,7
50	Structure of Menus, Functions of Menus	1/02/16		2	1,2	
51	Functions of Menus	2/02/16		2	2	
52	Content of Menus, Formatting Menus	3/02/16		2	2	
53	Phrasing the Menu, Selecting Menu Choices	3/02/16		2	2	
54	Navigating Menus, Kinds of Graphical Menus	5/02/16		2	2	
55	selection of window	5/02/16		2	1,2	
56	Components of Window	8/02/16		2	2	
57	Window Presentation Styles, Types of Windows	8/02/16		2	2	
58	Selection of devices based controls	9/02/16		2	2	
59	Selection of devices based controls	10/02/16		2	2	
60	Selection of screen based controls.	10/02/16		2	1,2	
61	Selection of screen based controls.	12/02/16		2	1,2	
62	**Tutorial - 4**	12/02/16				
	UNIT –V:Components & Interaction Devices					
63	**Components** – text and messages	15/02/16		2	1,2	1,3,5,7
64	**Text for web pages**	15/02/16		2	1,2	

65	Icons and increases	16/02/16		2	1,2	
66	Kinds of Icons, characteristics of Icons	17/02/16		2	1,2	
67	Multimedia	17/02/16		2	1,2	
68	Colors uses.	19/02/16		2	1,2	
69	problems with choosing colors	19/02/16		2	1,2	
70	**Interaction Devices**	22/02/16		2	1,2	
71	Keyboard and function keys	22/02/16		2	1,2	
72	pointing devices	23/02/16		2	1,2	
73	speech recognition	24/02/16		2	1,2	
74	digitization and generation	24/02/16		2	1,2	
75	image and video displays	26/02/16		2	1,2	
76	Drivers.	26/02/16		2	1,2	
77	Revision	29/02/16		2	1,2	
78	**Tutorial – 5**	29/02/16				
79	**II MID EXAMS**					
80						
81						

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	N. SrinivasaRao	N. SrinivasaRao		Dr. N. Ravi Shankar
Sign with Date				

	LESSON PLAN	Date: 07/12/2015
	Sub.Name: CLOUD COMPUTING Branch: CSE, Semester& Sections: VIII - A	To 27/04/2016

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,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: 2015-16	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	7/12/15		2	1	1,3,5,7
2	Introduction to cloud computing	8/12/15		2	1	
3	Importance of migration	8/12/15		2	1	
4	Migration into a cloud	9/12/15		2	1	
5	Enriching Integration As a Service	10/12/15		2	1	
6	**Cloud computing services**	10/12/15		2	1	
7	Roots of cloud computing	11/12/15		2	1	
8	Challenges of Migration	14/12/15		2	1,3	
9	Paradigm for the cloud era	15/12/15		2	1,3	

10	Integration with public, homogeneous and heterogeneous	15/12/15		2	1,3	
11	Jitter bit in Integration and .NET service Bus,ISB	16/12/15		2	1	
12	Cloud computing for enterprise applications	17/12/15		2	1	
13	Adoption strategy and five stages of cloud	17/12/15		2	1	
14	**Tutorial-1**	18/12/15				
UNIT –II: Infrastructure as a Service(IaaS)						
15	**Virtual Machines Provisioning**	21/12/15		2	1	1,3,5,7
16	Migration services	22/12/15		2	1	
17	On the management of Virtual Machines for cloud infrastructure	22/12/15		2	1	
18	On the management of Virtual Machines for cloud infrastructure	23/12/15		2	1	
19	Enhancing cloud computing environments using cluster as a service	28/12/15		2	1	
20	Secured distributed data storage in cloud computing	29/12/15		2	1,3	
21	Secured distributed data storage in cloud computing	29/12/15		2	1	
22	Revision	30/12/15				
23	**Tutorial - II**	31/12/15				
24	**MID – I EXAMS**					
25						
26						

UNIT –III: Platform and Software as a Service(Aphasias)						
27	**Platform and software as a Service**	4/1/16		2	2	1,3,5,7
28	Aneka	5/01/16		2	2	
29	Aneka	4/01/16		2	2	
30	Integration of private and public clouds	5/01/16		2	2	
31	Comet cloud	6/01/16		2	2	
32	Comet cloud	7/01/16		2	2	

33	An autonomic cloud engine	7/01/16		2	2	
34	T-systems	8/01/16		2	2	
35	T-systems	18/01/16		2	2	
36	Cloud based solutions for business applications	19/01/16		2	2	
37	Cloud based solutions for business applications	19/01/16		2	2	
38	Work flow engines for clouds	20/01/16		2	2	
39	Work flow engines for clouds	21/01/16		2	2	
40	Work flow engines for clouds	21/01/16		2	2	
41	Understanding scientific applications	22/01/16		2	2	
42	Understanding scientific applications	25/01/16		2	2	
43	Understanding scientific cloud environments	26/01/16		2	2	
44	The Map reduce programming Model	26/01/16		2	2	
45	The Map reduce programming Model	27/01/16		2	2	
46	Map reduce implementations	28/01/16		2	2	
47	Revision	28/01/16				
48	**Tutorial - 3**	29/01/16				
UNIT –IV: Monitoring and Management						
49	Monitoring and management	1/02/16		2	1,2	
50	An architecture for federated cloud computing	2/02/16		2	1,2	
51	An architecture for federated cloud computing	2/02/16		2	2	
52	An architecture for federated cloud computing	3/02/16		2	2	
53	SLA management in cloud computing	4/02/16		2	2	1,3,5,7
54	SLA management in cloud computing	4/02/16		2	2	
55	SLA management in cloud computing	5/02/16		2	1,2	
56	A service providers perspective	8/02/16		2	2	
57	A service providers perspective	9/02/16		2	2	
58	Performance prediction	9/02/16		2	2	
59	Performance prediction	10/02/16		2	2	

60	HPC on clouds	11/02/16		2	1,2	
61	HPC on clouds	11/02/16		2	1,2	
62	**Tutorial - 4**	12/02/16				
UNIT –V:Applications						
63	**Introduction on applications**	15/02/16		2	1,2	1,3,5,7
64	Architecting applications for the Amazon Cloud	16/02/16		2	1,2	
65	Architecting applications for the Amazon Cloud	16/02/16		2	1,2	
66	Massively multiplayer Online Game hosting on Cloud resources	17/02/16		2	1,2	
67	Massively multiplayer Online Game hosting on Cloud resources	18/02/16		2	1,2	
68	Massively multiplayer Online Game hosting on Cloud resources	18/02/16		2	1,2	
69	Massively multiplayer Online Game hosting on Cloud resources	19/02/16		2	1,2	
70	**Building Content delivery networks**	22/02/16		2	1,2	
71	Building Content delivery networks	23/02/16		2	1,2	
72	Building Content delivery networks	23/02/16		2	1,2	
73	Resource cloud mashups	24/02/16		2	1,2	
74	Resource cloud mashups	25/02/16		2	1,2	
75	Resource cloud mashups	25/02/16		2	1,2	
76	Resource cloud mashups	26/02/16		2	1,2	
77	Revision	29/02/16		2	1,2	
78	**Tutorial – 5**	29/02/16				
79	**II MID EXAMS**					
80						
81						

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 Sivaramakrishna	B Sivaramakrishna		Dr. N. Ravi Shankar
Sign with Date				

	LESSON PLAN	Date: 07/12/2015
	Sub.Name: CLOUD COMPUTING Branch: CSE, Semester& Sections: VIII&B	To 27/04/2016

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

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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: 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	7/12/15		2	1	1,3,5,7
2	Introduction to cloud computing	8/12/15		2	1	
3	Importance of migration	8/12/15		2	1	
4	Migration into a cloud	9/12/15		2	1	
5	Enriching Integration As a Service	10/12/15		2	1	
6	**Cloud computing services**	10/12/15		2	1	
7	Roots of cloud computing	11/12/15		2	1	
8	Challenges of Migration	14/12/15		2	1,3	
9	Paradigm for the cloud era	15/12/15		2	1,3	

10	Integration with public, homogeneous and heterogeneous	15/12/15		2	1,3	
11	Jitter bit in Integration and .NET service Bus,ISB	16/12/15		2	1	
12	Cloud computing for enterprise applications	17/12/15		2	1	
13	Adoption strategy and five stages of cloud	17/12/15		2	1	
14	**Tutorial-1**	18/12/15				
UNIT –II: Infrastructure as a Service(IaaS)						
15	**Virtual Machines Provisioning**	21/12/15		2	1	1,3,5,7
16	Migration services	22/12/15		2	1	
17	On the management of Virtual Machines for cloud infrastructure	22/12/15		2	1	
18	On the management of Virtual Machines for cloud infrastructure	23/12/15		2	1	
19	Enhancing cloud computing environments using cluster as a service	28/12/15		2	1	
20	Secured distributed data storage in cloud computing	29/12/15		2	1,3	
21	Secured distributed data storage in cloud computing	29/12/15		2	1	
22	Revision	30/12/15				
23	**Tutorial - II**	31/12/15				
24	**MID – I EXAMS**					
25						
26						

UNIT –III: Platform and Software as a Service(Aphasias)						
27	**Platform and software as a Service**	4/1/16		2	2	1,3,5,7
28	Aneka	5/01/16		2	2	
29	Aneka	4/01/16		2	2	
30	Integration of private and public clouds	5/01/16		2	2	
31	Comet cloud	6/01/16		2	2	
32	Comet cloud	7/01/16		2	2	

33	An autonomic cloud engine	7/01/16		2	2	
34	T-systems	8/01/16		2	2	
35	T-systems	18/01/16		2	2	
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42	Understanding scientific applications	25/01/16		2	2	
43	Understanding scientific cloud environments	26/01/16		2	2	
44	The Map reduce programming Model	26/01/16		2	2	
45	The Map reduce programming Model	27/01/16		2	2	
46	Map reduce implementations	28/01/16		2	2	
47	Revision	28/01/16				
48	**Tutorial - 3**	29/01/16				
UNIT –IV: Monitoring and Management						
49	Monitoring and management	1/02/16		2	1,2	
50	An architecture for federated cloud computing	2/02/16		2	1,2	
51	An architecture for federated cloud computing	2/02/16		2	2	
52	An architecture for federated cloud computing	3/02/16		2	2	
53	SLA management in cloud computing	4/02/16		2	2	1,3,5,7
54	SLA management in cloud computing	4/02/16		2	2	
55	SLA management in cloud computing	5/02/16		2	1,2	
56	A service providers perspective	8/02/16		2	2	
57	A service providers perspective	9/02/16		2	2	
58	Performance prediction	9/02/16		2	2	
59	Performance prediction	10/02/16		2	2	

60	HPC on clouds	11/02/16		2	1,2	
61	HPC on clouds	11/02/16		2	1,2	
62	**Tutorial - 4**	12/02/16				
UNIT –V:Applications						
63	**Introduction on applications**	15/02/16		2	1,2	1,3,5,7
64	Architecting applications for the Amazon Cloud	16/02/16		2	1,2	
65	Architecting applications for the Amazon Cloud	16/02/16		2	1,2	
66	Massively multiplayer Online Game hosting on Cloud resources	17/02/16		2	1,2	
67	Massively multiplayer Online Game hosting on Cloud resources	18/02/16		2	1,2	
68	Massively multiplayer Online Game hosting on Cloud resources	18/02/16		2	1,2	
69	Massively multiplayer Online Game hosting on Cloud resources	19/02/16		2	1,2	
70	**Building Content delivery networks**	22/02/16		2	1,2	
71	Building Content delivery networks	23/02/16		2	1,2	
72	Building Content delivery networks	23/02/16		2	1,2	
73	Resource cloud mashups	24/02/16		2	1,2	
74	Resource cloud mashups	25/02/16		2	1,2	
75	Resource cloud mashups	25/02/16		2	1,2	
76	Resource cloud mashups	26/02/16		2	1,2	
77	Revision	29/02/16		2	1,2	
78	**Tutorial – 5**	29/02/16				
79	**II MID EXAMS**					
80						
81						

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	T N V S PRAVEEN	T N V S PRAVEEN		Dr. N. Ravi Shankar
Sign with Date				

	LESSON PLAN	Date:
	SUBJECT NAME : HUMAN COMPUTER INTERFACE BRANCH: CSE SEM & SECTION: VIII & A	07/12/2015 To 27/04/2016

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: 2015-16	Course: Human Computer Interface
	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: Introduction to Graphical User Interface						
1	**Introduction :** Importance of user Interface	7/12/15		2	1	1,3,5,7
2	Overview of user Interface	7/12/15		2	1	
3	Importance of good design	8/12/15		2	1	
4	Benefits of good design.	9/12/15		2	1	
5	A brief history of Screen design	9/12/15		2	1	
6	**The graphical user interface** – popularity of graphics	11/12/15		2	1	
7	the concept of direct manipulation	11/12/15		2	1	
8	graphical system Characteristics	14/12/15		2	1,3	
9	graphical system Characteristics	14/12/15		2	1,3	
10	Web user – Interface popularity	15/12/15		2	1,3	

11	Web user – Interface popularity	16/12/15		2	1	
12	Characteristics- Principles of user interface.	16/12/15		2	1	
13	Characteristics- Principles of user interface.	18/12/15		2	1	
14	**Tutorial-1**	18/12/15				
UNIT –II: Design Process						
15	**Design process** – Human interaction with computers	21/12/15		2	1	1,3,5,7
16	importance of human characteristics	21/12/15		2	1	
17	human consideration	22/12/15		2	1	
18	Human interaction speeds	23/12/15		2	1	
19	Human interaction speeds	23/12/15		2	1	
20	Understanding business junctions.	28/12/15		2	1,3	
21	Understanding business junctions.	28/12/15		2	1	
22	Revision	29/12/15				
23	**Tutorial - II**	30/12/15				
24	**MID – I EXAMS**					
25						
26						
UNIT –III: Screen Designing						
27	**Screen Designing :** Design goals	30/12/15		2	2	1,3,5,7
28	Screen planning and purpose	4/01/16		2	2	
29	Screen planning and purpose	4/01/16		2	2	
30	organizing screen elements	5/01/16		2	2	
31	organizing screen elements	6/01/16		2	2	
32	ordering of screen data and content	6/01/16		2	2	
33	ordering of screen data and content	8/01/16		2	2	
34	screen navigation and flow	8/01/16		2	2	
35	Visually pleasing composition	18/01/16		2	2	
36	amount of information	18/01/16		2	2	
37	Distinctiveness	19/01/16		2	2	
38	focus and emphasis	20/01/16		2	2	

39	Conveying Depth of levels or a Three dimensional appearance	20/01/16		2	2	
40	presentation information simply and meaningfully	22/01/16		2	2	
41	information retrieval on web	22/01/16		2	2	
42	Reading, Browsing, and Searching on the Web	25/01/16		2	2	
43	Intranet, extranet design guidelines	25/01/16		2	2	
44	statistical graphics	26/01/16		2	2	
45	Technological consideration in interface design	27/01/16		2	2	
46	Graphical systems, web systems	27/01/16		2	2	
47	Revision	29/01/16				
48	**Tutorial - 3**	29/01/16				
	UNIT –IV: Windows					
49	**Windows** – New and Navigation schemes	1/02/16		2	1,2	1,3,5,7
50	Structure of Menus, Functions of Menus	1/02/16		2	1,2	
51	Functions of Menus	2/02/16		2	2	
52	Content of Menus, Formatting Menus	3/02/16		2	2	
53	Phrasing the Menu, Selecting Menu Choices	3/02/16		2	2	
54	Navigating Menus, Kinds of Graphical Menus	5/02/16		2	2	
55	selection of window	5/02/16		2	1,2	
56	Components of Window	8/02/16		2	2	
57	Window Presentation Styles, Types of Windows	8/02/16		2	2	
58	Selection of devices based controls	9/02/16		2	2	
59	Selection of devices based controls	10/02/16		2	2	
60	Selection of screen based controls.	10/02/16		2	1,2	
61	Selection of screen based controls.	12/02/16		2	1,2	
62	**Tutorial - 4**	12/02/16				
	UNIT –V:Components & Interaction Devices					
63	**Components** – text and messages	15/02/16		2	1,2	1,3,5,7
64	**Text for web pages**	15/02/16		2	1,2	

65	Icons and increases	16/02/16		2	1,2	
66	Kinds of Icons, characteristics of Icons	17/02/16		2	1,2	
67	Multimedia	17/02/16		2	1,2	
68	Colors uses.	19/02/16		2	1,2	
69	problems with choosing colors	19/02/16		2	1,2	
70	**Interaction Devices**	22/02/16		2	1,2	
71	Keyboard and function keys	22/02/16		2	1,2	
72	pointing devices	23/02/16		2	1,2	
73	speech recognition	24/02/16		2	1,2	
74	digitization and generation	24/02/16		2	1,2	
75	image and video displays	26/02/16		2	1,2	
76	Drivers.	26/02/16		2	1,2	
77	Revision	29/02/16		2	1,2	
78	**Tutorial – 5**	29/02/16				
79	**II MID EXAMS**					
80						
81						

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	**Course Outcomes**

	(Marks)	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	N. V NAIK			Dr. N. Ravi Shankar
Sign with Date				

	LESSON PLAN **T221- INDUSTRIAL MANAGEMENT** **Branch: CSE** **Semester & Sections: I**	**Date: 07/12/2015** **To** **27/04/2016**

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**	07-12-15		1	1,2	
2	Definition, Nature	08-12		1	1,2	
3	Importance of management	09-12		1	1,2	
4	Functions of management	09-12		1	1,2	
5	Taylor's scientific management theory	10-12		1	1,2	
6	Fayol's principles of management	11-12		1	1,2	3,6
7	Fayol's principles of management	14-12		1	1,2	
8	Contribution of Elton mayo	15-12		1	1,2	
9	Maslows theory	16-12		1	1,2	
10	Herzberg, Douglas, MC Gregor, basic concepts of Organization	16-12		1	1,2	

11	Basic concepts of organization	17-12		1	1,2	
12	Authority Responsibility	18-12		1	1,2	
13	Tutorials	21-12		1	1,2	
14	**UNIT- II**			1	1,2	
15	Plant location ,Factors influencing location	22-12		1	1,2	
16	Principles and types of plant layouts	23-12		1	1,2	
17	Methods of production : job batch and mass production	23-12		1	1,2	
18	Work study	28-12		1	1,2	
19	Basic procedure involved in method study	29-12		1	1,2	
20	Work measurement	30-12		1	1,2	
21	I MID	30-12		1	1,2	
22	I MID	31-12		1	1,2	
23	I MID	04-01		1	1,2	
24	**UNIT-III**	05-01		1	1,2	
25	Statistical quality control Meaning	06-01		1	1,2	
26	Variables and attributes	06-01		1	1,2	1,3
27	X chart R Chart C Chart PC chart	07-01		1	1,2	
28	X chart R Chart C Chart P C chart	08-01		1	1,2	
29	X chart problems	18-01		1	1,2	
30	R Chart problems	19-01		1	1,2	
31	C Chart problems	20-01		1	1,2	
32	P C chart problems	20-01		1	1,2	
33	Acceptance sampling & Sampling plans	21-01		1	1,2	
34	Deming's contribution to quality	22-01		1	1,2	
35	Deming's contribution to quality	25-01		1	1,2	
36	Materials management	27-01		1	1,2	
37	Objectives	27-01		1	1,2	
38	Purchase procedure	28-01		1	1,2	
39	Purchase procedure	29-01		1	1,2	
40	Store records	01-02		1	1,2	
41	Inventory control	02-02		1	1,2	
42	Store records	03-02		1	1,2	3,6
43	ABC analysis	03-02		1	1,2	
44	ABC analysis	04-02		1	1,2	
45	ABC analysis	05-02		1	1,2	
46	EOQ analysis	08-02		1	1,2	
47	EOQ analysis	09-02		1	1,2	
48	EOQ analysis	10-02		1	1,2	
49	ABC/EOQ analysis problems	10-02		1	1,2	

50	ABC/EOQ analysis problems	11-02		1	1,2	
51	Stock level problems	12-02		1	1,2	
52	Stock level problems	15-02		1	1,2	
53	Problems	16-02		1	1,2	
54	Problems	17-02		1	1,2	
55	Assignment	17-02		1	1,2	
56	Presentations	18-02		1	1,2	
57	Tutorial	19-02		1	1,2	
UNIT-IV						
58	Concepts of HRM	22-02		1	1,2	
59	Basic functions	23-02		1	1,2	
60	Operative functions	24-02		1	1,2	
61	Operative functions	24-02		1	1,2	
62	Managerial functions	25-02		1	1,2	
63	Managerial functions	26-02		1	1,2	
64	Man power planning	29-02		1	1,2	
65	Recruitment	01-03		1	1,2	
66	Selection	02-03		1	1,2	
67	Training and development	02-03		1	1,2	
68	Training and development	03-03		1	1,2	
69	Placement	04-03		1	1,2	
70	Induction	08-03		1	1,2	
71	Wage, salary administration	09-03		1	1,2	
72	Placement, Wage and salary administration	09-03		1	1,2	
73	Job evaluation	10-03		1	1,2	
74	Job analysis	11-03		1	1,2	
75	Job description	14-03		1	1,2	
76	Job specification	14-03		1	1,2	
77	Promotion, transfer-	15-03		1	1,2	
UNIT-V						
78	Early techniques in project management	16-03		1	1,2	
79	PERT &CPM concepts	16-03		1	1,2	
80	PERT:Basic Network terminology	17-03		1	1,2	
81	Rules for drawing Network	18-03		1	1,2	
82	Application of Network Techniques to engineering problems	21-03		1	1,2	
83	Network analysis	22-03		1	1,2	
84	Network analysis problem	24-03		1	1,2	
85	Programme evaluation and review technique (PERT)	28-03		1	1,2	
86	Critical path method	29-03		1	1,2	

87	PERT Problems	30-03		1	1,2	
88	PERT Problems	30-03		1	1,2	
89	Need for float in CPM network	31-03		1	1,2	
90	Identifying critical path	01-04		1	1,2	
91	Identifying critical path- problems	04-04		1	1,2	
92	Project cost analysis project crashing	05-04		1	1,2	
93	Project cost analysis project crashing	06-04		1	1,2	
94	Project crashing problems	06-04		1	1,2	
95	**II MID EXAMS**	07-04		1	1,2	
96		11-04		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	×					×		×					×	×	×	×
	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				

	LESSON PLAN T221- INDUSTRIAL MANAGEMENT Branch: CSE Semester & Sections: I	Date: 07/12/2015 To 27/04/2016

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**	07-12-15		1	1,2	
2	Definition, Nature	08-12		1	1,2	
3	Importance of management	09-12		1	1,2	
4	Functions of management	09-12		1	1,2	
5	Taylor's scientific management theory	10-12		1	1,2	
6	Fayol's principles of management	11-12		1	1,2	3,6
7	Fayol's principles of management	14-12		1	1,2	
8	Contribution of Elton mayo	15-12		1	1,2	
9	Maslows theory	16-12		1	1,2	
10	Herzberg, Douglas, MC Gregor, basic concepts of Organization	16-12		1	1,2	

11	Basic concepts of organization	17-12		1	1,2	
12	Authority Responsibility	18-12		1	1,2	
13	Tutorials	21-12		1	1,2	
14	**UNIT- II**			1	1,2	
15	Plant location ,Factors influencing location	22-12		1	1,2	
16	Principles and types of plant layouts	23-12		1	1,2	
17	Methods of production : job batch and mass production	23-12		1	1,2	
18	Work study	28-12		1	1,2	
19	Basic procedure involved in method study	29-12		1	1,2	
20	Work measurement	30-12		1	1,2	
21	I MID	30-12		1	1,2	
22	I MID	31-12		1	1,2	
23	I MID	04-01		1	1,2	
24	**UNIT-III**	05-01		1	1,2	
25	Statistical quality control Meaning	06-01		1	1,2	
26	Variables and attributes	06-01		1	1,2	1,3
27	X chart R Chart C Chart PC chart	07-01		1	1,2	
28	X chart R Chart C Chart P C chart	08-01		1	1,2	
29	X chart problems	18-01		1	1,2	
30	R Chart problems	19-01		1	1,2	
31	C Chart problems	20-01		1	1,2	
32	P C chart problems	20-01		1	1,2	
33	Acceptance sampling & Sampling plans	21-01		1	1,2	
34	Deming's contribution to quality	22-01		1	1,2	
35	Deming's contribution to quality	25-01		1	1,2	
36	Materials management	27-01		1	1,2	
37	Objectives	27-01		1	1,2	
38	Purchase procedure	28-01		1	1,2	
39	Purchase procedure	29-01		1	1,2	
40	Store records	01-02		1	1,2	
41	Inventory control	02-02		1	1,2	
42	Store records	03-02		1	1,2	3,6
43	ABC analysis	03-02		1	1,2	
44	ABC analysis	04-02		1	1,2	
45	ABC analysis	05-02		1	1,2	
46	EOQ analysis	08-02		1	1,2	
47	EOQ analysis	09-02		1	1,2	
48	EOQ analysis	10-02		1	1,2	
49	ABC/EOQ analysis problems	10-02		1	1,2	

50	ABC/EOQ analysis problems	11-02		1	1,2	
51	Stock level problems	12-02		1	1,2	
52	Stock level problems	15-02		1	1,2	
53	Problems	16-02		1	1,2	
54	Problems	17-02		1	1,2	
55	Assignment	17-02		1	1,2	
56	Presentations	18-02		1	1,2	
57	Tutorial	19-02		1	1,2	
UNIT-IV						
58	Concepts of HRM	22-02		1	1,2	
59	Basic functions	23-02		1	1,2	
60	Operative functions	24-02		1	1,2	
61	Operative functions	24-02		1	1,2	
62	Managerial functions	25-02		1	1,2	
63	Managerial functions	26-02		1	1,2	
64	Man power planning	29-02		1	1,2	
65	Recruitment	01-03		1	1,2	
66	Selection	02-03		1	1,2	
67	Training and development	02-03		1	1,2	
68	Training and development	03-03		1	1,2	
69	Placement	04-03		1	1,2	
70	Induction	08-03		1	1,2	
71	Wage, salary administration	09-03		1	1,2	
72	Placement, Wage and salary administration	09-03		1	1,2	
73	Job evaluation	10-03		1	1,2	
74	Job analysis	11-03		1	1,2	
75	Job description	14-03		1	1,2	
76	Job specification	14-03		1	1,2	
77	Promotion, transfer-	15-03		1	1,2	
UNIT-V						
78	Early techniques in project management	16-03		1	1,2	
79	PERT &CPM concepts	16-03		1	1,2	
80	PERT:Basic Network terminology	17-03		1	1,2	
81	Rules for drawing Network	18-03		1	1,2	
82	Application of Network Techniques to engineering problems	21-03		1	1,2	
83	Network analysis	22-03		1	1,2	
84	Network analysis problem	24-03		1	1,2	
85	Programme evaluation and review technique (PERT)	28-03		1	1,2	
86	Critical path method	29-03		1	1,2	

87	PERT Problems	30-03		1	1,2	
88	PERT Problems	30-03		1	1,2	
89	Need for float in CPM network	31-03		1	1,2	
90	Identifying critical path	01-04		1	1,2	
91	Identifying critical path- problems	04-04		1	1,2	
92	Project cost analysis project crashing	05-04		1	1,2	
93	Project cost analysis project crashing	06-04		1	1,2	
94	Project crashing problems	06-04		1	1,2	
95	**II MID EXAMS**	07-04		1	1,2	
96		11-04		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	B.Kalyan Kumar	B.Kalyan Kumar	U.Rambabu	Dr.A.Adiseha reddy
Sign with Date				