



NIIST BHOPAL

BRANCH CSE

SEMESTER VI

NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY

DEPARTMENT NAME: COMPUTER SCIENCE & ENGINEERING

COURSE FILE
SESSION : January to June 2024

FORM NO

NIISTIA/07

REV. NO

1

REV. DT

15-Nov-23

NAME OF THE FACULTY : Anurag Shrivastava

NAME OF SUBJECT / SUBJECT CODE : Open Elective Project Management / CS 604 (B)

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NIIST BHOPAL

NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY

DEPARTMENT NAME: COMPUTER SCIENCE & ENGINEERING

COURSE FILE

SESSION : January to June 2024

FORM NO

NIIST/A/97

BRANCH

CSE

SEMESTER

VI

REV. NO

1

REV. DT

15-Nov-23

NAME OF THE FACULTY : Anurag Shrivastava

NAME OF SUBJECT / SUBJECT CODE : Open Elective Project Management / CS 604 (B)

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14	ATTENDANCE REGISTER	



PARTICULARS				
Particulars	8th Semester	9th Semester	10th Semester	Dist. Semesters
Last Date Of Submission Of Fee & Registration Form Details Update	20-Jan-2024	20-Jan-2024	20-Jan-24	20-Jan-2024
Faculty Induction Program	28-Dec-2023	28-Dec-2023	5-Jan-2024	5-Jan-2024
Academic Arrangements (Display Of Time Table, Academic Calendar, Guide List)	6-Jan-2024	6-Jan-2024	13-Jan-24	13-Jan-24
Commencement Of Semester				
Project Initiation	15-Jan-2024	15-Jan-2024	19-Feb-24	19-Feb-24
Project Synopsis Submission	20-Jan-2024	20-Jan-2024	-	-
Students Feedback From CMO	27-Jan-2024	27-Jan-2024	-	-
Academic Monitoring-I	29-Jan-2024	29-Jan-2024	24-Feb-24	24-Feb-24
Attendance Monitoring-I	10-Feb-2024	19-Feb-2024	13-Mar-24	13-Mar-24
Submission Of Mid Sem Question Paper To Exam Cell For Moderation	10-Feb-2024	19-Feb-2024	13-Mar-24	13-Mar-24
1st Series Of Mid Sem Exams	13-Feb to 17-Feb-2024	23-Feb to 28-Feb-2024	15-Mar to 21-Mar-24	15-Mar to 21-Mar-24
Student Feedback Collection - I	17-Feb-2024	28-Feb-2024	21-Mar-24	21-Mar-24
Display Of First Mid Sem Marks	21-Feb-2024	2-Mar-2024	23-Mar-24	23-Mar-24
First Mid Sem Marks Submitted To Exam Cell	22-Feb-2024	4-Mar-2024	26-Mar-24	26-Mar-24
First Internal Audit By Audit Team	23-Feb-2024	23-Feb-2024	27-Mar-24	27-Mar-24
Students Feedback Analysis Submitted To Principal Office	23-Feb-2024	4-Mar-2024	27-Mar-24	27-Mar-24
Internal Audit Compliance Report Submitted To Principal Office	24-Feb-2024	24-Feb-2024	30-Mar-24	30-Mar-24
Final Review Of Project	28-Feb-2024	23-Mar-2024	-	-
Student Feedback From Cmo	28-Feb-2024	23-Mar-2024	30-Mar-24	30-Mar-24
Final Presentation Of Project	28-Feb-2024	26-Mar-2024	-	-
Academic Monitoring-II	16-Mar-2024	16-Mar-2024	18-Apr-24	18-Apr-24
Attendance Monitoring-II	16-Mar-2024	16-Mar-2024	18-Apr-24	18-Apr-24
Second Series Of Mid Sem Exams	18-March to 23-March-24	18-March to 23-March-24	22-Apr to 27-Apr-24	22-Apr to 27-Apr-24
Student Feedback Collection - II	23-Mar-2024	23-Mar-2024	27-Apr-24	27-Apr-24
End Of Teaching	19-Apr-2024	25-Apr-2024	17-May-24	17-May-24
Makeup Classes	20-Apr to 24-Apr-24	26-Apr to 30-Apr-24	18-May to 25-May-24	18-May to 25-May-24
Display Of Second Mid Sem Marks	28-Mar-2024	28-Mar-2024	1-May-24	1-May-24
Second Internal Audit By Audit Team	28-Mar-2024	28-Mar-2024	29-Apr-24	29-Apr-24
Students Feedback Analysis Submitted To Principal Office	28-Mar-2024	28-Mar-2024	1-May-24	1-May-24
Second Audit Compliance Report Submitted To Principal Office	28-Mar-2024	28-Mar-2024	1-May-24	1-May-24
Sessional Marks Submit To Exam Cell	29-Mar-2024	30-Mar-2024	10-May-24	10-May-24
Forwarding Of Exam Form Online	As per University Calendar			
Submission Of Sessional Marks To University	As per University Calendar			
Academic Closure	30-Mar-2024	10-Apr-2024	25-May-24	25-May-24
Internship	As per University Calendar			
University Examination Conduction	76 Day's	80 Day's	71 Day's	71 Day's
Total No. Of Working Days	76 Day's			

HOLIDAYS: Republic Day - 26/01/24, Maha Shivaratri - 08/02/24, Holi - 25/03/24, Good Friday - 29/03/24, Good Friday - 09/04/24, 15th Feb - 16/04/24, Ram Navami - 17/04/24



Principal

Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal
 New Scheme of Examination as per AICTE Flexible Curricula
 Bachelor of Technology (B.Tech.) Computer Science and Engineering/
 Computer Engineering/Computer Science & Technology] (w.e.f. Jan, 2020)

VI Semester

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz Assignment	End Sem.	Term work Lab Work & Sectional					
1.	CS601	DC	Machine Learning	70	20	10	30	20	150	2	1	2	4
2.	CS602	DC	Computer Networks	70	20	10	30	20	150	2	1	2	4
3.	CS603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	CS604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	CS605	D Lab	Data Analytics Lab	-	-	-	30	20	50	-	-	6	3
6.	CS606	O/E Lab	Skill Development Lab	-	-	-	30	20	50	-	-	6	3
7.	CS607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	CS608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits*	*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
Total				280	80	40	120	130	650	12	2	20	24

Departmental Electives	Open Electives
603 (A) Advanced Computer Architecture	604 (A) Knowledge Management
603 (B) Computer Graphics & Visualization	604 (B) Project Management
603 (C) Compiler Design	604 (C) Rural Technology & Community Development



1 Hr Lecture 1 Hr Tutorial 2 Hr Practical
 1 Credit 1 Credit 1 Credit

2024.11.27 12:30



NIIST BHOPAL

NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY

FORM NO

NIIST/A/05

SESSION Jan. to June 2024

DEPARTMENT NAME: Computer Science and Engineering

REV. NO

1

TOTAL DAD 28

FACULTY INDIVIDUAL TIME TABLE

REV. DT

15-Nov-23

NAME OF THE FACULTY: Prof. Anurag Shrivastava

SUBJECT 1: ADA

SUBJECT CODE: CS 402

SEMESTER: IV

SUBJECT 2: PP

SUBJECT CODE: CS 406

SEMESTER: IV

SUBJECT 3: PM

SUBJECT CODE: CS 604

SEMESTER: VI

SUBJECT 3: IPCV

SUBJECT CODE: CS 803

SEMESTER: VIII

DAY	9.45 - 10.45	10.45 - 11.45	11.45 - 12.45	12.45 - 01.25	1.25 - 2.25	2.25 - 3.25	3.25 - 4.25
	I	II	III		IV	V	VI
SUNDAY	CS803						
MONDAY	CS803		CS 604			CS 402	CS 803
TUESDAY	CS803		CS 604		CS 402	CS 402 LAB	
WEDNESDAY	CS803		CS 604		CS 402	CS 402 LAB	
THURSDAY	CS803		CS 604		CS 402	CS 406 LAB	
FRIDAY			CS 604		CS 803	CS 608 LAB	
SATURDAY	CS 406 LAB				CS 803	CS 608 LAB	



(2)



NIIST BHOPAL

NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY

FORM NO

NIIST/A/05

SESSION Jan. to June 2024

DEPARTMENT NAME: Computer Science and Engineering

REV. NO

1

STAL
LOAD 28

FACULTY INDIVIDUAL
TIME TABLE

REV. DT

15-Nov-23

NAME OF THE FACULTY: Prof. Anurag Shrivastava

SUBJECT 1: ADA

SUBJECT CODE: CS 402

SEMESTER: IV

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SEMESTER: VI

SUBJECT 3: PCV

SUBJECT CODE: CS 803

SEMESTER: VIII

DAY	9:45 - 10:45	10:45 - 11:45	11:45 - 12:45	12:45 - 01:25	1:25 - 2:25	2:25 - 3:25	3:25 - 4:25
	I	II	III		IV	V	VI
SUNDAY	CS803		CS 604			CS 402	CS 803
MONDAY	CS803		CS 604		CS 402	CS 402 LAB	
TUESDAY	CS803		CS 604		CS 402	CS 402 LAB	
WEDNESDAY	CS803		CS 604		CS 402	CS 402 LAB	
THURSDAY	CS803		CS 604		CS 402	CS 402 LAB	
FRIDAY			CS 604		CS 803	CS 608 LAB	
SATURDAY	CS 406 LAB				CS 803	CS 608 LAB	





NIIST BHOPAL

NIIST INSTITUTE OF INFORMATION SCIENCE AND TECHNOLOGY

DEPT NAME: Computer Science & Engineering

FORM NO NIIST/A/08

LECTURE PLAN

SESSION : January to June 2024

BRANCH	CSE
SEMESTER	VI

REV NO	1
REV DT	13-Nov-23

NAME OF THE FACULTY: ANURAG SHRIVASTAVA

SUBJECT: Elective - VI (Project Management)

SUBJECT CODE: CS604 (B)

Course objectives:

1. To Understand the different activities in software project development.
2. To learn the Conventional Software Management.
3. To learn the Software Management Process.
4. To learn the Software Management Disciplines.

Course outcome:

At the end of the course students will able to

- CO604 1. Understanding the evolution and improvement of software economics according to the basic parameters and transition to the modern software management.
- CO604 2. Learning the objectives, activities and evaluation criteria of the various phases of the life cycle of software management process.
- CO604 3. Gaining knowledge about the various artifacts, workflows and checkpoints of the software management process and exploring the design concept using model based architecture from technical and management perspective.
- CO604 4. Develop an understanding of project planning, organization, responsibilities, automation and control of the processes to achieve the desirable results.

L.N	UNIT NO.	DETAILS OF LECTURES PLANNED	PLANNED DATE	ACTUAL DATE	NO. OF STUDENTS PRESENT	Ref.
1	Unit-I	Intro to the course and Evolution of software economics.	15-Jan-24	18/01/24	25	
2	Unit-I	Improving software economics	16-Jan-24	22/01/24	21	
3	Unit-I	Reducing product size	17-Jan-24	24/01/24	33	
4	Unit-I	Software processes	18-Jan-24	25/01/24	26	
5	Unit-I	Team effectiveness, automation through software environments	19-Jan-24	29/01/24	36	
6	Unit-I	Principles of modern software management	22-Jan-24	02/02/24	33	
7		Assignment Given and Doubt Clearing Class	23-Jan-24	02/02/24	34	
8	Unit-II	Framework : Life cycle phases- inception	24-Jan-24	06/02/24	36	
9	Unit-II	Elaboration, construction and training phase	25-Jan-24	06/02/24	36	
10	Unit-II	Artifacts of the process- the artifact sets management artifacts	29-Jan-24	08/02/24	25	
11	Unit-II	Engineering artifacts, pragmatics artifacts	30-Jan-24	16/02/24	23	
12	Unit-II	Model based software architectures.	31-Jan-24	20/02/24	41	
13	Unit-II	Workflows of the process. Checkpoints of the process.	1-Feb-24	29/02/24	30	

(7)



RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

New Scheme Based On AICTE Flexible Curricula

Computer Science and Engineering, VI-Semester

Open Elective - CS604 (B) Project Management

Course Learning Objectives:

Understand the different activities in software project development i.e. planning, design and management.

Course content:

1. Conventional Software Management

Evolution of software economics. Improving software economics: reducing product size, software processes, team effectiveness, automation through software environments. Principles of modern software management.

2. Software Management Process

Framework: Life cycle phases- inception, elaboration, construction and training phase. Artifacts of the process- the artifact sets, management artifacts, engineering artifacts, pragmatics artifacts. Model based software architectures. Workflows of the process. Checkpoints of the process.

3. Software Management Disciplines

Iterative process planning. Project organisations and responsibilities. Process automation. Project control And process instrumentation- core metrics, management indicators, life cycle expectations. Process discriminants.

Books

1. Software Project management, Walker Royce, Addison Wesley, 1998.
2. Project management 2/e, Maylor.
3. Managing the Software Process, Humphrey.
4. Managing global software Projects, Ramesh, TMH,2001.

Verified from
R.G.V. Akademi
Prof. P. K. Singh



Course Outcomes:

1. Understanding the evolution and improvement of software economics according to the basic parameters and transition to the modern software management.
2. Learning the objectives, activities and evaluation criteria of the various phases of the life cycle of software management process.
3. Gaining knowledge about the various artifacts, workflows and checkpoints of the software management process and exploring the design concept using model-based architecture from technical and management perspective.
4. Develop an understanding of project planning, organization, responsibilities, automation and control of the processes to achieve the desirable results.

Verified from
R.P.P. Prasad
12/11/2024



Course Name: Project Management / CS-604 (B)
COURSE OUTCOME:-

At the end of the course students will able to

1. Understanding the evolution and improvement of software economics according to the basic parameters and transition to the modern software management
2. Learning the objectives, activities and evaluation criteria of the various phases of the life cycle of software management process
3. Gaining knowledge about the various artifacts, workflows and checkpoints of the software management process and exploring the design concept using model based architecture from technical and management perspective
4. Develop an understanding of project planning, organization, responsibilities, automation and control of the processes to achieve the desirable results.

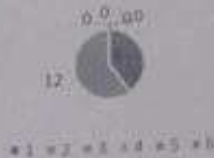
NRI Institute of Information Science and Technology
MID SEMESTER – II EXAMINATION, April - 2024
 Total Duration (H: M): 2: 00
 Project Management / CS-604 (B)

Maximum Marks: 20

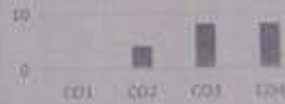
Minimum Marks: 7

Q.No.	Questions	Marks	CO	BL	PO
01	Explain the following process in detail. (a) Work Flow of the process (b) Checkpoints of the process.	4	3	2	1
02	Illustrate iterative process planning in detail.	4	3	2	1
03	Briefly explain life cycle expectations.	4	2	2	3
04	What is risk identification? How risks are monitored and managed by project managers?	4	4	1	5
05	How various stakeholders are organized to perform effective software engineering? Explain	4	4	1	2

Level wise Marks Distribution



Course Outcome wise Marks Distribution



Bloom's Taxonomy Levels(1-Remembering,2-Understanding,3-Applying,4-Analyzing,5-Evaluating,6-Creating) CO- Course Outcomes
 PO- Program Outcomes PICode- Performance Indicator Code

LN	UNIT NO.	DETAILS OF LECTURES PLANNED	PLANNED DATE	ACTUAL DATE	NO. OF STUDENTS PRESENT	Ref.
14		Assignment Given and Doubt Clearing Class	2-Feb-24	01/03/24	35	
15	Unit-III	Iterative process planning	5-Feb-24	02/03/24	35	
16	Unit-III	Project organisations and responsibilities	6-Feb-24	04/03/24	25	
17	Unit-III	Process automation	7-Feb-24	07/03/24	30/29	
18	Unit-III	Project control And process instrumentation- core metrics	8-Feb-24	15/03/24	38	
19	Unit-III	Management indicators	9-Feb-24	21/03/24	37	
20	Unit-III	Life cycle expectations	12-Feb-24	13/03/24	08	
21	Unit-III	Process discriminants	13-Feb-24	23/03/24	08	
22		Assignment Given and Doubt Clearing Class	14-Feb-24	03/04/24	16	
23		Revision - I	15-Feb-24	04/04/24	11	
24		Revision - II	16-Feb-24	04/04/24	11	
25		Revision - III	19-Feb-24	04/04/24	11	

REFERENCES:

- R1 Software Project management, Walker Royce, Addison Wesley, 1998
R2 Project management 2/e, Maylor.
R3 Managing the Software Process, Humphrey
R4 Managing global software Projects, Ramesh, TMH,2001

INTERNET RESOURCES:

<https://tuorial/projectmgnt/>

PREPARED BY

Prof. Anurag Shrivastava

REVIEWED BY

Prof. A. Shrivastava

APPROVED BY

PRINCIPAL

COURSE OUTCOME:-

At the end of the course students will able to:

1. Understanding the evolution and improvement of software economics according to the basic parameters and transition to the modern software management.
2. Learning the objectives, activities and evaluation criteria of the various phases of the life cycle of software management process
3. Gaining knowledge about the various artifacts, workflows and checkpoints of the software management process and exploring the design concept using model based architecture from technical and management perspective
4. Develop an understanding of project planning, organization, responsibilities, automation and control of the processes to achieve the desirable results.

NRI Institute of Information Science and Technology
MID SEMESTER – I EXAMINATION, Feb. - 2024
 Total Duration (H: M): 2: 00
 Project Management / CS-6043 (B)

Maximum Marks: 20

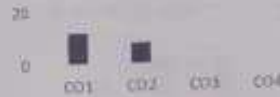
Minimum Marks: 7

Q.No	Questions	Marks	CO	BL	PO
01	Explain the evolution of software economics.	4	1	2	1
02	Write the principles of modern software management	4	1	1	1
03	Explain life cycle phases with examples.	4	2	2	3
04	Explain following terms for improving software economics. (i) Reducing product size (ii) Team effectiveness	4	1	2	5
05	What is the importance of software project planning?	4	2	1	2

Level wise Marks Distribution



Course Outcome wise Marks Distribution



Bloom's Taxonomy Levels(1-Remembering,2-Understanding,3-Applying,4-Analyzing,5-Evaluating, 6 - Creating) CO- Course Outcomes
 PO- Program Outcomes PICode- Performance Indicator Code

Roll No

CS-604 (B) (GS)
B.Tech., VI Semester
Examination, May 2023
Grading System (GS)
Project Management
Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
किन्हीं पाँच प्रश्नों को हल कीजिए।
- ii) All question carry equal marks.
सभी प्रश्नों के समान अंक हैं।
- iii) In case of any doubt or dispute the english version question should be treated as final.
किन्सी भी प्रकार के संदेह अथवा विवाद की स्थिति में अंग्रेजी भाषा के प्रश्न को अंतिम माना जायेगा।

1. a) Explain the evolution of software economics.
सॉफ्टवेयर अर्थशास्त्र के विकास की व्याख्या करें।
- b) How to improve software economic? Elaborate.
सॉफ्टवेयर आर्थिक सुधार कैसे करें। विस्तार से समझाइए।
2. a) Write the principles of modern software management.
आधुनिक सॉफ्टवेयर प्रबंधन के सिद्धांत लिखिए।
- b) Explain life cycle phases with examples.
जीवन चक्र के चरणों को उदाहरण सहित समझाइए।
3. a) Explain the concept of management artifacts and engineering artifacts.
प्रबंधन कलाकृतियों और इंजीनियरिंग कलाकृतियों की अवधारणा की व्याख्या करें।
- b) Determine the model based software architecture.
मॉडल आधारित सॉफ्टवेयर आर्किटेक्चर का निर्धारण करें।

CS-604 (B) (GS)

<https://www.rgpvonline.com>

PTO

CS-60

Course Name: Project Management / CS 604 (B)
COURSE OUTCOME:-

At the end of the course students will able to:

1. Understanding the evolution and improvement of software economics according to the basic parameters and transition to the modern software management.
2. Learning the objectives, activities and evaluation criteria of the various phases of the life cycle of software management process.
3. Gaining knowledge about the various artifacts, workflows and checkpoints of the software management process and exploring the design concept using model based architecture from technical and management perspective.
4. Develop an understanding of project planning, organization, responsibilities, automation and control of the processes to achieve the desirable results.

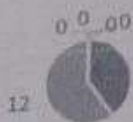
NRI Institute of Information Science and Technology
MID SEMESTER – II EXAMINATION, April - 2024
Total Duration (H: M): 2: 00
Project Management / CS-604 (B)

Maximum Marks: 20

Minimum Marks: 7

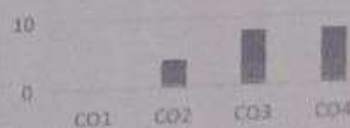
Q.No.	Questions	Marks	CO	BL	PO
01	Explain the following process in detail: (a) Work Flow of the process (b) Checkpoints of the process.	4	3	2	1
02	Illustrate iterative process planning in detail.	4	3	2	1
03	Briefly explain life cycle expectations.	4	2	2	3
04	What is risk identification? How risks are monitored and managed by project managers?	4	4	1	5
05	How various stakeholders are organized to perform effective software engineering? Explain	4	4	1	2

Level wise Marks
 Distribution



* 1 * 2 * 3 * 4 * 5 * 6

Course Outcome wise
 Marks Distribution



Bloom's Taxonomy Levels (1-Remembering, 2-Understanding, 3-Applying, 4-Analysing, 5-Evaluating, 6 - Creating) CO- Course Outcomes
 PO- Program Outcomes ,PICode- Performance Indicator Code

Roll No _____

CS-604 (B) (GS)
B.Tech., VI Semester
 Examination, May 2023
Grading System (GS)
Project Management
Time : Three Hours

Maximum Marks : 70

- Note:* i) Attempt any five questions.
 किसी पाँच प्रश्नों को हल कीजिए।
 ii) All question carry equal marks.
 सभी प्रश्नों के समान अंक हैं।
 iii) In case of any doubt or dispute the english version question should be treated as final.
 किसी भी प्रकार के संदेह अथवा विवाद की स्थिति में अंग्रेजी भाषा के प्रश्न को अंतिम माना जायेगा।

1. a) Explain the evolution of software economics.
 सॉफ्टवेयर अर्थशास्त्र के विकास की व्याख्या करें।
 b) How to improve software economic? Elaborate.
 सॉफ्टवेयर आर्थिक सुधार कैसे करें? विस्तार से समझाइए।
2. a) Write the principles of modern software management.
 आधुनिक सॉफ्टवेयर प्रबंधन के सिद्धांत लिखिए।
 b) Explain life cycle phases with examples.
 जीवन चक्र के चरणों को उदाहरण सहित समझाइए।
3. a) Explain the concept of management artifacts and engineering artifacts.
 प्रबंधन कलाकृतियों और इंजीनियरिंग कलाकृतियों की अवधारणा की व्याख्या करें।
 b) Determine the model based software architecture.
 मॉडल आधारित सॉफ्टवेयर आर्किटेक्चर का निर्धारण करें।

CS-604 (B) (GS)

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4. Explain the following process in detail.
 a) Workflow of the process
 b) Checkpoints of the process
 निम्नलिखित प्रक्रिया को विस्तार से समझाइए।
 अ) प्रक्रिया का कार्यप्रवाह
 ब) प्रक्रिया की जाँचियाँ
5. a) Illustrate iterative process planning in detail.
 पुनरावृत्त प्रक्रिया नियोजन को विस्तार से समझाइए।
 b) Elucidate project organization and responsibilities.
 परियोजना संगठन और जिम्मेदारियों को स्पष्ट करें।
6. Explain the following term in detail:
 a) Process automation
 b) Software management team
 निम्नलिखित शब्द को विस्तार से समझाइए।
 अ) प्रक्रिया स्वचालन
 ब) सॉफ्टवेयर प्रबंधन टीम
7. a) Briefly explain life cycle expectations.
 जीवन चक्र की अपेक्षाओं को संक्षेप में समझाइए।
 b) Explain the concept and importance of software economic in project management.
 परियोजना प्रबंधन में सॉफ्टवेयर आर्थिक की अवधारणा और की व्याख्या करें।
8. Explain the following:
 a) Project environment b) Pragmatics artifacts
 c) Process discriminants d) Management indicator
 निम्नलिखित की व्याख्या करें।
 अ) परियोजना पर्यावरण ब) व्यावहारिक कलाकृतियाँ
 स) प्रक्रिया भेदभावकर्ता द) प्रबंधन संकेतक

CS-604 (B) (GS)

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Roll No _____

CS-604 (B) (GS)
B.Tech., VI Semester
Examination, May 2022
Grading System (GS)
Project Management
Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

किन्हीं पाँच प्रश्नों को हल कीजिए।

ii) All question carry equal marks.

सभी प्रश्नों के समान अंक हैं।

iii) All parts of each question to be attempted at one place.

प्रत्येक प्रश्न के सभी भाग एक ही स्थान पर लिखें।

iv) In case of any doubt or dispute the english version question should be treated as final.

किसी भी प्रकार के संदेह अथवा विवाद की स्थिति में अंग्रेजी भाषा के प्रश्न को अंतिम माना जायेगा।

1. a) What is the importance of Software Project Planning?

सॉफ्टवेयर प्रोजेक्ट प्लानिंग का महत्व क्या है?

b) What are the main activities carried out during requirements analysis and specification? Discuss the characteristics of a good software requirement specification document.

आवश्यकताओं के विश्लेषण और विनिर्देशन के दौरान किए गए प्रमुख कार्य क्या हैं? एक अच्छे सॉफ्टवेयर आवश्यकताओं विनिर्देशन दस्तावेज़ की विशेषताओं पर चर्चा करें।



CS-604 (B) (GS)

Roll No _____

CS-604 (B) (GS)
B. Tech., VI Semester
 Examination, May 2022
Grading System (GS)
Project Management

Time : Three Hours
 Maximum Marks : 70

Notes: 1) Attempt any five questions.

2) All questions carry equal marks.

3) All parts of each question to be attempted at one place.

4) In case of any doubt or dispute the English version question should be treated as final.

5) All parts of each question to be attempted at one place.

6) In case of any doubt or dispute the English version question should be treated as final.

7) All parts of each question to be attempted at one place.

8) In case of any doubt or dispute the English version question should be treated as final.

9) All parts of each question to be attempted at one place.

10) In case of any doubt or dispute the English version question should be treated as final.

11) All parts of each question to be attempted at one place.

12) In case of any doubt or dispute the English version question should be treated as final.

13) All parts of each question to be attempted at one place.

14) In case of any doubt or dispute the English version question should be treated as final.

15) All parts of each question to be attempted at one place.

16) In case of any doubt or dispute the English version question should be treated as final.

17) All parts of each question to be attempted at one place.

18) In case of any doubt or dispute the English version question should be treated as final.

19) All parts of each question to be attempted at one place.

20) In case of any doubt or dispute the English version question should be treated as final.



2. a) What is a task set? Write the various steps in selecting appropriate task set for a project and also give 7 points showing the five function suggest and to give 3 points each one point.

b) What is risk identification? How risks are monitored and managed by project managers? Give 3 points each one point.

3. a) How various stakeholders are organized to perform effective software engineering? Explain. Give 3 points each one point.

b) Compare top-down and bottom-up design strategies. Give 3 points each one point.

4. a) What is the significance of adopting programming practices and coding standards? Give 3 points each one point.

b) What is the need of a modular system? Describe the effects of cohesion and coupling in modular design. Give 3 points each one point.

5. a) An air traffic control project of size 500 KLOC is to be developed. Software project team has very little experience on similar projects and the project schedule is also tight. Calculate the effort, development rate average staff size and productivity of the project. Give 3 points each one point.

Total No. of Questions : 8]

[Total No. of Printed Pages : 3

Roll No _____

CS-604(B)-CBGS

B.Tech., VI Semester

Examination, December 2020

Choice Based Grading System (CBGS)

Project Management

Time : Three Hours

Maximum Marks : 70

Note: (i) Attempt any five questions.

किन्हीं पाँच प्रश्नों को हल कीजिए।

(ii) Each questions carry equal marks.

सभी प्रश्नों के समान अंक हैं।

(iii) In case of any doubt or dispute the english version question should be treated as final.

किसी भी प्रकार के संदेह अथवा विवाद की स्थिति में अंग्रेजी भाषा के प्रश्न को अंतिम माना जायेगा।

1. a) Explain how project can be evaluated against strategic, technical and economic criteria? 7

समझाइए कि प्रोजेक्ट का मूल्यांकन रणनीतिक, तकनीकी और आर्थिक मानदंडों के खिलाफ कैसे किया जा सकता है?

b) Explain the evolution of software economics. 7

सॉफ्टवेयर के आर्थिक विकास की व्याख्या करें।

2. a) Explain principles of modern software management. 7

आधुनिक सॉफ्टवेयर प्रबंधन के सिद्धांतों की व्याख्या करें।

b) Explain automation through software environments with reference to software economics. 7

सॉफ्टवेयर अधशास्त्र के संदर्भ में सॉफ्टवेयर वातावरण के माध्यम से स्वचालन की व्याख्या करें।

CS-604(B)-CBGS

PTO



500 KLOC: आकार के एक हवाई यातायात नियंत्रण परियोजना को विकसित किया जाना है। सॉफ्टवेयर प्रोजेक्ट टीम को समान परियोजनाओं पर बहुत कम अनुभव है और प्रोजेक्ट बजट भी तुल्य है। परियोजना के प्रयास, विकास समय, जीसत स्टाफ आकार और उत्पादकता की गणना करें।

b) What is software maintenance? Explain various categories of software maintenance. 7

सॉफ्टवेयर रखरखाव क्या है? सॉफ्टवेयर रखरखाव की विभिन्न श्रेणियों के बारे में बताएं।

6. a) Describe software configuration management process. 7

सॉफ्टवेयर कॉन्फिगरेशन प्रबंधन प्रक्रिया का वर्णन करें।

b) What are the signs that a software project is in jeopardy? What are the steps to be taken by a project manager to tackle this situation? 7

एक सॉफ्टवेयर परियोजना खतरे में है कि क्या संकेत हैं? इस स्थिति से निपटने के लिए परियोजना प्रबंधक द्वारा क्या कदम उठाए जाने चाहिए?

7. a) Explain life cycle phases with examples. 7

उदाहरणों के साथ जीवन चक्र चरणों की व्याख्या करें।

b) Explain why a software system that is used in real world environment must change or become progressively less useful. 7

स्पष्ट करें कि वास्तविक दुनिया के वातावरण में उपयोग किया जाने वाला सॉफ्टवेयर सिस्टम क्यों बदलना चाहिए या उत्तरोत्तर कम उपयोगी हो सकता है।

(11)



8. Explain the following terms with example.

- i) Workflows of the process
- ii) Checkpoints of the process
- iii) Process automation
- iv) Process discriminants

उदाहरण के साथ निम्नलिखित शब्दों को समझाएं।

- i) प्रक्रिया के वर्कफ्लो
- ii) प्रक्रिया की जाँच
- iii) प्रोसेस ऑटोमेशन
- iv) प्रक्रिया भेदभाव

500 KLOC आकार के एक हवाई यातायात नियंत्रण परियोजना को विकसित किया जाना है। सॉफ्टवेयर प्रोजेक्ट टीम को समान परियोजनाओं पर बहुत कम अनुभव है और प्रोजेक्ट शेड्यूल भी चुस्त है। परियोजना के प्रयास, विकास समय, औसत स्टाफ आकार और उत्पादकता की गणना करें।

b) What is software maintenance? Explain various categories of software maintenance. 7

सॉफ्टवेयर रखरखाव क्या है? सॉफ्टवेयर रखरखाव की विभिन्न श्रेणियों के बारे में बताइए।

6. a) Describe software configuration management process. 7

सॉफ्टवेयर कॉन्फिगरेशन प्रबंधन प्रक्रिया का वर्णन करें।

b) What are the signs that a software project is in jeopardy? What are the steps to be taken by a project manager to tackle this situation? 7

एक सॉफ्टवेयर परियोजना खतरे में है कि क्या संकेत हैं? इस स्थिति से निपटने के लिए परियोजना प्रबंधक द्वारा क्या कदम उठाए जाने चाहिए?

7. a) Explain life cycle phases with examples. 7

उदाहरणों के साथ जीवन चक्र चरणों की व्याख्या करें।

b) Explain why a software system that is used in real world environment must change or become progressively less useful. 7

स्पष्ट करें कि वास्तविक दुनिया के वातावरण में उपयोग किया जाने वाला सॉफ्टवेयर सिस्टम क्यों बदलना चाहिए या उतरोत्तर कम उपयोगी हो सकता है।

CS-604 (B) (GS)

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Semester : VI

SUBJECT: E lective - VI (Project Management)

Branch : CSE

SUBJECT CODE: CS604 (B)

List of PPT's / Videos Available

Sr. No.	Topic
1	Conventional Software Management
2	Improving Software Economics
3	Software Management Renaissance



[3]

7. a) Explain process automation with appropriate examples. 7
प्रक्रिया स्वचालन की व्याख्या उचित उदाहरणों के साथ करें।
- b) Illustrate Life cycle expectations. 7
जीवन चक्र का चित्रण विस्तार से बताइये।
8. Explain the following: 14
- Project Control
 - Management indicators
 - Process discriminants
 - Process instrumentation
- निम्नलिखित की व्याख्या करें
- परियोजना नियंत्रण
 - प्रबंधन संकेतक
 - प्रक्रिया भेदभाव करने वाले
 - प्रक्रिया साधन



CS-304(B)-CBGS



NIST BHOPAL

BRANCH	CSE
SEMESTER	VI

NRI INSTITUTE OF INFORMATION
SCIENCE & TECHNOLOGY
DEPT NAME: Computer Science & Engineering

THEORY QUIZ

FORM NO

REV. NO

REV. DT

NAME OF THE FACULTY: Anurag Shrivastava

SUBJECT/CODE: Project Management / CS 604(B)

1. Resources refers to
- (A) Manpower (B) Machinery (C) Materials (D) All of the above
2. Developing a technology is an example of
- (A) Process (B) Project (C) Scope (D) All of the above
3. Design phase consist of
- (A) Input received (B) Output received (C) Both (A) and (B) (D) None of the above
4. Project performance consists of
- (A) Time (B) Cost (C) Quality (D) All of the above
5. Resource requirement in project becomes constant while the project is in its _____ progress stage.
- (A) 40 to 55% (B) 55 to 70%
(C) 70 to 80% (D) 80 to 95%
6. The project life cycle consists of
- (A) Understanding the scope of the project (B) Objectives of the project
(C) Formulation and planning various activities (D) All of the above
7. A _____ is a set of activities which are networked in an order and aimed towards achieving the goals of a project.
- (A) Project (B) Process (C) Project management (D) Project cycle
8. Project team becomes aware of a recent innovation that allows a
- (A) Faster solution (B) Cheaper solution (C) Both A and B (D) Expensive Solution
9. All steps in Partnering process must be accompanied by negotiation, which should be
- (A) Adversarial (B) Nonadversarial (C) Biased (D) Supporting Scope
10. Five dimensions that must be managed on a project
- (A) Constraint, Quality, Cost, Schedule, Staff
(B) Features, Quality, Cost, Schedule, Staff
(C) Features, priority, Cost, Schedule, Staff
(D) Features, Quality, Cost, Schedule, customer



Latest Technology/ Learning Beyond Syllabus

Sr. No.	Topic
1	Use of AI in Project Management
2	Project Management Software
3	Hybrid Project Management





NIST BHOPAL

NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY BHOPAL

ACAD YEAR 2023-24

DEPT. NAME: Computer Science & Engineering

FORM NO NIIST/A/73

SESSION Jul. to June 2024

Assignment Evaluation Rubric

REV NO 1

REV. DT 15-Nov-23

Criteria	Excellent (90-100%)	Good (80-89%)	Satisfactory (70-79%)	Needs Improvement (60-69%)	Unsatisfactory (<60%)
Grade	A+	A	B	C	D
Content	Demonstrates a deep understanding of the topic. All required elements are present, and additional relevant information is	Shows a good grasp of the topic. Most required elements are present, with some relevant additional information.	Provides a basic understanding of the topic. Most required elements are present but lacks depth or additional relevant information.	Shows limited understanding of the topic. Some required elements may be missing or incomplete.	Falls to demonstrate a clear understanding of the topic. Important elements are missing or inadequate.
Organization	Content is well-organized, with a clear introduction, logical flow, and a strong conclusion.	Content is organized, with an introduction, appropriate flow, and a satisfactory conclusion.	Content is somewhat organized, with an introduction, but the flow or conclusion could be improved.	Content lacks proper organization, making it challenging to follow.	Content is disorganized, making it difficult to understand the main points.
Clarity	Demonstrates excellent clarity and conciseness in writing. Ideas are presented in a straightforward manner.	Conveys ideas clearly, but may have some minor issues with clarity or conciseness.	Generally clear but may have multiple issues with clarity or conciseness.	Often unclear and wordy, making it challenging to follow the ideas.	Highly unclear, verbose, or incoherent writing that hinders comprehension.
Grammar and Style	Exceptional command of grammar, spelling, and writing style.	Strong command of grammar, spelling, and writing style, with minor errors.	Competent use of grammar and style, with noticeable errors.	Frequent grammatical errors and awkward writing style.	Numerous grammatical errors and unclear writing style.





NIIST BHOPAL

**NRI INSTITUTE OF INFORMATION
SCIENCE & TECHNOLOGY BHOPAL**

FORM NO

NIIST/A/72

ACAD
YEAR

2023-24

**DEPT. NAME: Computer Science and
Engineering**

REV. NO

1

SESSIO
N

July to Dec.
2023

**Practical File and sessional Evaluation
Rubric**

REV. DT

11/15/2023

Criteria	Grade	Pre requirement	First Performing Phase	Second Performing Stage	Final Conclusion
Excellent (90-99%)	A+	students come with their file and they already write the experiment which is performing on the practical day	Students perform the practical and note down the observation or reading or errors in the lab.	Perform the calculation and note down the output or result	Submit the Practical record for correction and present in front of faculty members and give the answer of viva questions or re-evaluation if any.
Good (80-89%)	A	students come with their file and they already write the experiment which is performing on the practical day	Students perform the practical and note down the observation or reading or errors in the lab.	Perform the calculation and note down the output or result.	Submit the Practical record for correction
Satisfactory (70-79%)	B	students come with their file and they already write the experiment which is performing on the practical day.	Students perform the practical and note down the observation or reading or errors in the lab.	Perform the calculation and note down the output or result.	Students not submit the practical record for correction in the lab.
Needs Improvement (60-69%)	C	students come with their file and they already write the experiment which is performing on the practical day.	Students perform the practical but not complete it on the same day.	Not Perform	Not Submitted
Unsatisfactory (<60%)	D	students come with their file and they already now write the experiment which is performing on the practical day.	Not Perform	Not Perform	Not Submitted





NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY
 DEPARTMENT NAME: COMPUTER SCIENCE & ENGINEERING

FORM NO	NIISTIA/07A
REV. NO	1
REV. DT	15-11-2023

UNIVERSITY BHOPAL

COURSE: CSE

LABORATORY FILE

SEMESTER: II

SESSION: JAN. TO JULY 2024


NAME OF THE FACULTY: FULFISH CHATURVEDI

NAME OF SUBJECT / SUBJECT CODE: COMPUTER NETWORKS CS-602

CONTENT

No.	Particulars	Page No.
1	ACADEMIC CALENDAR	
2	FACULTY INDIVIDUAL TIME TABLE	
3	SCHEME & SYLLABUS	.
4	LIST OF EXPERIMENTS	1
5	LAB PLAN	2-3
6	LAB MANUALS	7
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		NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY		FORM NO	NBIST/A/10
		DEPT NAME:			
BRANCH	CSE	LIST OF EXPERIMENTS		REV. NO	1
SEMESTER	VI			REV. DT	15-11-2023
SESSION: Jan - to June -24					
SUBJECT/CODE : Computer Network / C.S - 602					

SN	EXPERIMENTS
1	Study of Different Type of LAN & Network Equipments.
2	Study and Verification of standard Network topologies i.e. Star, Bus, Ring etc.
3	LAN installations and Configurations.
4	Write a program to implement various types of error correcting technique
5	Write a program to implement various types of framing methods
6	Study and Installation of Standard Network Simulator
7	Study of Application layer protocols- DNS, FTP and TelNet.
8	What is an ip address how is it different from mac address
9	Program using RPC
10	To know the physical address of a host when its logical address is known using ARP Protocol
11	Study & Simulation of RARP Client Server
12	

PREPARED BY



FACULTY NAME

NITESH GUPTA



APPROVED BY

PRINCIPAL

REVIEWED



19/11/24

HOD NAME



Note: Attempt all questions.

- When collection of various computers seems a single coherent system to its client, then it is called _____.
 a) computer network b) distributed system
 c) networking system d) mail system
- Two devices are in network if _____.
 a) a process in one device is able to exchange information with a process in another device
 b) a process is running on both devices
 c) PIDs of the processes running of different devices are same
 d) a process is active and another is inactive
- Which of the following computer networks is built on the top of another network?
 a) prior network b) chief network
 c) prime network d) overlay network
- In computer network nodes are _____.
 a) the computer that originates the data b) the computer that routes the data
 c) the computer that terminates the data d) all of the mentioned
- Communication channel is shared by all the machines on the network in _____.
 a) broadcast network b) unicast network
 c) multicast network d) anycast network
- Bluetooth is an example of _____.
 a) personal area network b) local area network
 c) virtual private network d) wide area network
- A _____ is a device that forwards packets between networks by processing the routing information included in the packet.
 a) bridge b) firewall c) router d) hub
- A list of protocols used by a system, one protocol per layer, is called _____.
 a) protocol architecture b) protocol stack c) protocol suite d) protocol system
- Network congestion occurs _____.
 a) in case of traffic overloading b) when a system terminates
 c) when connection between two nodes terminates d) in case of transfer failure
- Which of the following networks extends a private network across public networks?
 a) local area network b) virtual private network
 c) enterprise private network d) storage area network





DEPT NAME:

BRANCH CSE

SEMESTER VI

LAB PLAN

REV. NO

1

REV. DT

15-11-2023

NAME OF THE FACULTY: NITESH GUPTA

SUBJECT/CODE: Computer Network / CS-602

SN	EXPERIMENTS	PLANNED DATE	ACTUAL DATE	NO. OF STUDENTS PRESENT	REMARKS
1	Study of Different Type of LAN & Network Equipments.	23/1/24	6/2/24	16	
2	Study and Verification of standard Network topologies i.e. Star, Bus, Ring etc.	30/1/24	20/2/24	36	
3	LAN installations and Configurations.	6/2/24	5/3/24	26	
4	Write a program to implement various types of error correcting technique	13/2/24	12/3/24	24	
5	Write a program to Implement various types of framing method	20/2/24	19/3/24	21	
6	Study and Installation of Standard Network Simulator	27/2/24	10/3/24	21	
7	Study of Application layer protocols- DNS, FTP and TelNet.	5/3/24	26/3/24	08	
8	What is an ip address how is it different from mac address.	12/3/24	20/3/24	08	
9	Program using RPC	19/3/24	2/4/24	05	
10	To know the physical address of a host when its logical address is known using ARP Protocol	26/3/24	16/4/24	10	
11	Study & Simulation of RARP Client/Server	2/4/24	16/4/24	10	

PREPARED BY

FACULTY NAME

NITESH GUPTA

APPROVED BY

PRINCIPAL

REVIEWED

HOD NAME





NRI INSTITUTE OF INFORMATION
SCIENCE & TECHNOLOGY
DEPT NAME: COMPUTER SCIENCE AND
ENGINEERING

FORM NO

NIIST/A/09

BRANCH CSE

SEMESTER VI

LAB PLAN

REV. NO

1

REV. DT

15-11-2023

NAME OF THE FACULTY: Prof. Nitish Gupta

SUBJECT/CODE : Computer Network/CS 602

SN	EXPERIMENTS	PLANNED DATE	ACTUAL DATE	NO. OF STUDENTS PRESENT	REMARKS
1	Study of Different Type of LAN & Network Equipments.	22/1/24	7/2/24	27	
2	Study and Verification of standard Network topologies i.e. Star, Bus, Ring etc.	23/1/24	19/2/24	38	
3	LAN installations and Configurations.	5/2/24	19/2/24	14	
4	Write a program to implement various types of error correcting technique	12/2/24	26/2/24	08	
5	Write a program to implement various types of framing method	19/2/24	5/3/24	14	
6	Study and Installation of Standard Network Simulator	20/2/24	12/3/24	10	
7	Study of Application layer protocols- DNS, FTP and TelNet.	4/3/24	13/3/24	17	
8	What is an ip address how is it different from mac address.	11/3/24	26/3/24	01	
9	Program using RPC	18/3/24	2/4/24	06	
10	To know the physical address of a host when its logical address is known using ARP Protocol	1/4/24	16/4/24	10	
11	Study & Simulation of RARP Client/Server	8/4/24	16/4/24	10	

PREPARED BY

FACULTY NAME

APPROVED BY

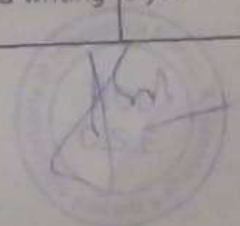
PRINCIPAL

REVIEWED

HOD NAME



Criteria	A+	A	Satisfactory (70-79%)	Needs Improvement (60-69%)	Unsatisfactory (<60%)
Grade	A+	A	B	C	D
Content	Demonstrates a deep understanding of the topic. All required elements are present, and additional relevant information is	Shows a good grasp of the topic. Most required elements are present, with some relevant additional information.	Provides a basic understanding of the topic. Most required elements are present but lacks depth or additional relevant information.	Shows limited understanding of the topic. Some required elements may be missing or incomplete.	Fails to demonstrate a clear understanding of the topic. Important elements are missing or inadequate.
Organization	Content is well-organized, with a clear introduction, logical flow, and a strong conclusion.	Content is organized, with an introduction, appropriate flow, and a satisfactory conclusion.	Content is somewhat organized, with an introduction, but the flow or conclusion could be improved.	Content lacks proper organization, making it challenging to follow.	Content is disorganized, making it difficult to understand the main points.
Clarity	Demonstrates excellent clarity and conciseness in writing. Ideas are presented in a straightforward manner.	Conveys ideas clearly but may have some minor issues with clarity or conciseness.	Generally clear but may have multiple issues with clarity or conciseness.	Often unclear and wordy, making it challenging to follow the ideas.	Highly unclear, verbose, or incoherent writing that hinders comprehension.
Grammar and Style	Exceptional command of grammar, spelling, and writing style.	Strong command of grammar, spelling, and writing style, with minor errors.	Competent use of grammar and style, with noticeable errors.	Frequent grammatical errors and awkward writing style.	Numerous grammatical errors and unclear writing style.



NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY
UNIVERSITY FIRST MID SEMESTER EXAM SEP -2023
B.Tech 5 SEM TIME TABLE

SEMESTER/BRANCH	26-Sep-23	27-Sep-23	28-Sep-23	29-Sep-23
TIME	10:00AM- 12:00 PM	10:00AM- 12:00 PM	10:00AM- 12:00 PM	10:00AM- 12:00 PM
CE-V	CE 501 Fluid Mechanics I	CE 502 Transportation Engg II	CE503 (C) Quantity surveying & Costing	CE504 (B) Remote Sensing and GIS
CS-V	CS-501 Theory of Computation	CS-502 Database Management	CS 503 (C) Cyber Security	CS 504 (A) Internet and Web Technology
EC V	EC 501 Microprocessor & its Application	EC 502 Digital Communication	EC 503 CNTL	EC 504 EMT
EX-V	EX-501 Electrical Machine-II	EX-502 Power Electronics	EX 503 (A) Electrical Power Generation & Economy	EX 504 (A) Industrial Electronics
ME V	ME 501 I C Engines	ME 502 Mechanical Vibration	ME 503 (B) Dynamics of Machine	ME 504(A) Industrial Engineering & Ergonomics
IT V	IT 501 Operating System	IT 502 Computer Network	IT 503 (A) Theory of Computation	IT 504 (B) E Commerce & Governance
AIDS V	AD-501 Theory of Computation	AD-502 Machine Learning	AD-503 (A) Internet and Web Technology	AD-504 (A) Management Information System

Note: All students must pay their fee dues before appearing in the examination.
Candidate should note the dates, timings and sequence of question papers very carefully.



NRI Institute of Information Science and Technology, Bhopal

Department of Computer Science and Engineering


Time Table

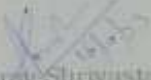
Make-up Test

Session : July to December - 2023

Day/Date	17/10/2023	18/10/2023	19/10/2023	20/10/2023	21/10/2023
CSE - 3rd Sem	BT- 301	CS - 302	CS - 303	CS - 304	CS - 305
CSE - 5th Sem	CS - 501	CS - 502	CS - 503	CS - 504	

Note : All students come with proper uniform, wear id card and daily report to department at 9:45 am.


Prepared By :
Prof. Santosh Nagar
Test Coordinator, CSE


Prof. Anurag Shrivastava
HOD, CSE, NIIST


Dr. Manoj Gour
Principal, NIIST



2024.11.27 12:42

**NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY
UNIVERSITY FIRST MID SEMESTER EXAM SEP -2023
REVISED B.Tech 5 SEM TIME TABLE**

SEMESTER/BRA NCH	29-Sep-23	30-Sep-23	3-Oct-23	4-Oct-23
TIME	10:00AM- 12:00 PM	10:00AM- 12:00 PM	10:00AM- 12:00 PM	10:00AM- 12:00 PM
CE-V	CE 501 Fluid Mechanics I	CE 502 Transportation Engg II	CE503 (C) Quantity surveying & Costing	CE504 (B) Remote Sensing and GIS
CS-V	CS-501 Theory of Computation	CS-502 Database Management	CS 503 (C) Cyber Security	CS 504 (A) Internet and Web Technology
EC V	EC 501 Microprocessor & its Application	EC 502 Digital Communication	EC 503 CNTL	EC 504 EMT
EX-V	EX-501 Electrical Machine-II	EX-502 Power Electronics	EX 503 (A) Electrical Power Generation & Economy	EX 504 (A) Industrial Electronics
ME V	ME 501 I C Engines	ME 502 Mechanical Vibration	ME 503 (B) Dynamics of Machine	ME 504(A) Industrial Engineering & Ergonomics
IT V	IT 501 Operating System	IT 502 Computer Network	IT 503 (A) Theory of Computation	IT 504 (B) E Commerce & Governance
AIDS V	AD-501 Theory of Computation	AD-502 Machine Learning	AD-503 (A) Internet and Web Technology	AD-504 (A) Management Information System

Note: All students must pay their fee dues before appearing in the examination,
Candidate should note the dates, timings and sequence of question papers vary carefully.



Course Outcomes (CO):

At the end of the course the student should be able to:

- CO1: Understand the need of designing Enterprise data warehouses and will be enabled to approach business problems analytically by identifying opportunities to derive business sources/repository.
- CO2: Compare and contrast various methods for storing & retrieving data from different data sources/repository.
- CO3: Ascertain the application of data mining in various areas and preprocess the given data and visualize it for a given application or data exploration/mining task.
- CO4: Apply supervised learning methods to given data sets such as classification and its various types.
- CO5: Apply Unsupervised learning methods to given data sets such as clustering and its various types.
- CO6: Apply Association rule mining to various domains.

NRI Institute of Information Science and Technology Bhopal

FIRST MID SEMESTER EXAMINATION

Total Duration (H: M): 02: 00

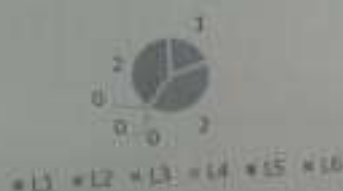
Data Mining and Warehousing / CS703 (B)

Maximum Marks: 20

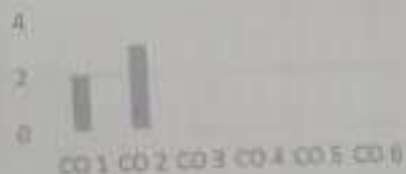
Minimum Marks: 7

Q No.	Questions	Marks	CO	BL	PO
01	Explain with diagram, a three tier data warehouse architecture.	4	1	2	1
02	Explain OLAP operations with examples.	4	2	2	1
03	Discuss the activities of data cleaning with the process associated with it.	4	2	6	2
04	Discuss the various schematic representations in multidimensional model.	4	2	6	5
05	What is the need of Data Preprocessing? Discuss various forms of preprocessing.	4	1	1	3

Student's Levelwise Marks Distribution



Course Outcomes



- Bloom's Taxonomy Levels: 1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating; CO- Course Outcomes; PO- Program Outcomes; PC- Performance Indicator Code





NIIST BHOPAL

BRANCH

CSE

Semester

VII

NRI INSTITUTE OF INFORMATION
SCIENCE & TECHNOLOGY
DEPT. NAME: Computer Science &
Engineering

DISPLAY OF MARKS - II
SECOND MID SEMESTER EXAMS
(SESSION : July to December - 2023)

FORM NO

NIIST/A/13

REV. NO

0

REV. DT

30/06/2011

DATE: 10/11/2023

S.NO.	ENROLL. NO.	NAME OF STUDENTS	CS 701	CS 702	CS 703	TOTAL	PER
			20	20	20	60	
1	0115CE201009	Bipin Kumar	8	11	12	31	52
2	0115CS201001	Aditya BHAGAT	A	A	A	0	0
3	0115CS201003	Abhishek Bansal	3	3	12	18	30
4	0115CS201005	Aditi Shekhar sharma	3	13	10	26	43
5	0115CS201006	Adnan Mohammad khan	4	A	A	4	7
6	0115CS201007	Ajay Kushwaha	9	9	6	24	40
7	0115CS201008	Aklesh panche	A	A	A	0	0
8	0115CS201009	Akriti Tiwari	3	8	6	17	28
9	0115CS201010	AKSHAT GANGRADE	1	2	0	3	5
10	0115CS201012	Aman patel	A	A	8	8	13
11	0115CS201013	Amir Ansari	3	3	3	9	15
12	0115CS201014	Aniket rahangdale	A	A	A	0	0
13	0115CS201015	Anil singh	8	A	A	8	13
14	0115CS201016	ANIRUDDHA PATLE	A	A	A	0	0
15	0115CS201017	Anirudh saxena	A	7	A	7	12
16	0115CS201018	Ankesh Dhakad	A	A	A	0	0
17	0115CS201019	Anshul Dohare	A	A	A	0	0
18	0115CS201020	Ansuliyá patel	3	9	9	21	35
19	0115CS201021	Anup Yadav	A	A	A	0	0
20	0115CS201022	ArpitaVishwakarma	7	9	A	16	27
21	0115CS201024	Atul kawre	A	A	A	0	0
22	0115CS201025	Avi Tembhare	A	A	A	0	0
23	0115CS201028	Chandraprakash Katre	A	A	A	0	0
24	0115CS201029	Deeksha sahu	9	A	A	9	15
25	0115CS201030	Devendra Kumar Jaiswal	5	11	7	23	38
26	0115CS201031	Devendra Nagar	3	3	2	8	13
27	0115CS201032	Dipa Tembhare	A	A	A	0	0
28	0115CS201033	Divya Jain	10	11	8	29	48
29	0115CS201034	Gajendra patel	4	6	0	10	17
30	0115CS201035	Garima Deshmukh	8	14	14	36	60
31	0115CS201036	Gaurav kahar	A	A	A	0	0
32	0115CS201037	Gaytri hartinkhede	5	11	6	22	37
33	0115CS201038	Gourav Patel	9	11	7	27	45
34	0115CS201039	Gourav singh thakur	4	10	9	23	38
35	0115CS201041	GOVIND KUMAR RATHORE	A	A	A	0	0
36	0115CS201043	Gunjan Damade	5	9	9	23	38
37	0115CS201044	Harlom Dangl	A	A	A	0	0
38	0115CS201046	Himani Basene	A	A	A	0	0
39	0115CS201047	Himanshu bisen	A	A	A	0	0
40	0115CS201048	Jayant Singnapure	A	A	A	0	0

2024.11.27 12:44



10/11/23



NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY

NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY

FORM NO

NRI/CS/13

BRANCH

CSE

DEPT. NAME: COMPUTER SCIENCE AND ENGL.

REV. NO

0

SESSION

JULY TO DEC 2023

DISPLAY OF MARKS
RE: MID SEM - I

REV. DT

20/06/2023

SEM: III

DATE

SN	ROLL NO	NAME	ES01	CS02	CS03	CS04	CS05	TOTAL	%
			20	20	20	20	20	100	100
1	0115CS221002	AASHISH KABIR PANTHI	ABS	ABS	ABS	ABS	100	0	0
2	0115CS221004	AASTHA MISHRA	13	8	7.5	11	0	45.5	45.5
3	0115CS221005	ABHAY KUNDAR	4	2	ABS	5	3	14	14
4	0115CS221007	ABHIRAM PANDEY	13	8.5	ABS	0	13	42.5	42.5
5	0115CS221008	ABHISHEK PANDEY	15	4	11	8	14	49	49
6	0115CS221009	ABHIRAM PRATAP SINGH	8	ABS	9.9	ABS	ABS	17.9	17.9
7	0115CS221010	ABHIRAM BISHI PATEL	ABS	ABS	8.2	ABS	ABS	8.2	8.2
8	0115CS221011	ADITYA DIXIT	ABS	ABS	ABS	ABS	ABS	0	0
9	0115CS221015	ADARSH KUMAR				0		0	0
10	0115CS221017	ALEX SINGH	5.5	7	ABS	ABS	ABS	12.5	12.5
11	0115CS221018	ADARSH KUMAR	5.5	ABS	0	4	ABS	10.5	10.5
12	0115CS221020	AMAN VERMA	14.5	8.5	8.8	10	11	52.8	52.8
13	0115CS221021	AMIT KUMAR	7	8	6.5	4	5	31.5	31.5
14	0115CS221022	ANKIT ADIWANI	ABS	ABS	ABS	ABS	ABS	0	0
15	0115CS221023	ANKUSH KUMAR	ABS	ABS	ABS	ABS	ABS	0	0
16	0115CS221026	ANSHU BISHI	8	ABS	0.1	ABS	0.5	5.6	5.6
17	0115CS221027	ANSHU	3	0	ABS	2		3	3
18	0115CS221050	ASHUTOSH	12	5	5	ABS	7	29	29
19	0115CS221037	AYUSH GUPTA	8.5	5	1.5	ABS	ABS	15	15
20	0115CS221033	ADARSH BOPCHIE	ABS	5	4	5	ABS	14	14

2024.11.27 12:43



MID SEMESTER ATTENDANCE SHEET
IIIrd SEMESTER

SN	Enrollment	Student Name	CS 301	CS 302	CS 303	CS 304	CS 305
1	0119CS221002	AASHISH KADDE PANTHI	-ABS-	-A-	Abhishek	ABS	ABS
2	0119CS221004	ANITHA NEERHOUR	Anitha	Anitha	Anitha	Anitha	Anitha
3	0119CS221005	ABHAY KUMAR MISHRA	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
4	0119CS221007	ABHISHEK PANDIY	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
5	0119CS221008	ABHISHEK PANDIY	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
6	0119CS221009	ABHISHEK PRATAP SINGH	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
7	0119CS221011	ABHISHEK SINGH PATEL	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
8	0119CS221013	AGRETA DWIVEDI	Agreeta	Agreeta	Agreeta	Agreeta	Agreeta
9	0119CS221019 *	AMAN KUMAR	Aman	-A-	Aman	Aman	Aman
10	0119CS221020	AMAN VERMA	Aman	Aman	Aman	Aman	Aman
11	0119CS221021	AMIT KUMAR	Amit	Amit	Amit	Amit	Amit
12	0119CS221028	ANSH SINGH	Ansh	Ansh	-ABS-	Ansh	Ansh
13	0119CS221030	ASHUTOSH SINGH	Ashutosh	Ashutosh	Ashutosh	Ashutosh	Ashutosh
14	0119CS221032	AYUSH GUPTA	Ayush	Ayush	Ayush	Ayush	Ayush
15	0119CS221033	BHARTI BORCHE	Bharti	Bharti	Bharti	Bharti	Bharti
16	0119CS221035	BHAVESH PATANKAR	Bhavesh	Bhavesh	Bhavesh	Bhavesh	Bhavesh
17	0119CS221038 *	DEEPAKCHAUHAN	-A-	-A-	-ABS-	ABS	-ABS-
18	0119CS221039	DEEPAK LOHI	Deepak	Deepak	Deepak	Deepak	Deepak
19	0119CS221040	DEV KAPOOR	Dev	Dev	Dev	Dev	Dev
20	0119CS221041	DEVENDRA MISHRA	Devendra	Devendra	Devendra	Devendra	Devendra
21	0119CS221042 *	DEVESH KATYAL	Devesh	-A-	-ABS-	ABS	-ABS-
22	0119CS221044	DHRUV PRATAP SINGH	Dhruv	Dhruv	Dhruv	Dhruv	Dhruv
23	0119CS221045	DIPTI RAMA	Dipti	Dipti	Dipti	Dipti	Dipti
24	0119CS221046	DIVYEDI MUSKAN OMPRAKASH	Divyedi	Divyedi	Divyedi	Divyedi	Divyedi
25	0119CS221047	GAURAV KUMAR PATEL	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
26	0119CS221049	IBRAHIM AHMED ANSARI	Ibrahim	Ibrahim	Ibrahim	Ibrahim	Ibrahim
27	0119CS221050	IGAN KUMARI	-A-	-A-	-ABS-	ABS	-ABS-
28	0119CS221051	JAVED ALAM	Javed	Javed	Javed	Javed	Javed
29	0119CS221052	JEEVESH SHUKLA	Jeevesh	Jeevesh	Jeevesh	Jeevesh	Jeevesh
30	0119CS221053	KAMR GUPTA	Kamr	Kamr	Kamr	Kamr	Kamr
31	0119CS221054	KAPIL SHARMA	Kapil	Kapil	Kapil	Kapil	Kapil
32	0119CS221055	KARAN SHARMA	Karan	Karan	Karan	Karan	Karan
33	0119CS221057 *	KHARE UPESH BORDHAN	Khare	Khare	Khare	Khare	Khare
34	0119CS221058	KHUSHI PANDY	-A-	-A-	-ABS-	ABS	-ABS-
35	0119CS221060 *	KRISHNA SHARMA	Krishna	Krishna	Krishna	Krishna	Krishna
36	0119CS221061	LALIT GUPTA	Lalit	Lalit	Lalit	Lalit	Lalit
37	0119CS221062	HANDEET THAKUR	-A-	-A-	-ABS-	ABS	-ABS-
38	0119CS221063 *	HANDEE PRATAPATI	Handeet	Handeet	Handeet	Handeet	Handeet
39	0119CS221064	MASQI SAHU	-A-	-A-	-ABS-	ABS	-ABS-
40	0119CS221065	MAYANK RAYKOP	Mayank	Mayank	Mayank	Mayank	Mayank
41	0119CS221066	MAYURI DATTA	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri
42	0119CS221067 *	MD SAIF KIDWAN	-A-	-A-	-ABS-	ABS	-ABS-

2024.11.27 12:44



ENROLL. NO.

NAME OF STUDENTS

CS 701

CS 702

CS 703

TOTAL

PER

ENROLL. NO.	NAME OF STUDENTS	CS 701	CS 702	CS 703	TOTAL	PER
0115CS201049	Kapil Ojha	20	20	20	60	
0115CS201050	Karan Vishwakarma	A	A	A	0	0
0115CS201051	Karishma Ahirwar	A	A	A	0	0
0115CS201052	Kasif Ali	A	A	A	0	0
0115CS201053	Khushi Nirmai	4	A	A	4	7
0115CS201055	Krishankant patel	A	10	A	10	17
0115CS201056	Krishna mohan shukla	7	12	9	28	47
0115CS201057	Mahee Rawat	2	7	0	9	15
0115CS201058	Mohd Areeb Ansari	9	10	8	27	45
0115CS201059	Mohit Marwadi	A	A	A	0	0
0115CS201060	Monika Vishwakarma	A	A	A	0	0
0115CS201061	Naina kushwah	9	A	A	9	13
0115CS201062	Neha Mahawar	6	7	7	20	33
0115CS201064	Nensi ratnakar	5	13	9	27	40
0115CS201065	Nicky Yadav	5	12	8	25	42
0115CS201066	Niket Biranwar	A	A	A	0	0
0115CS201068	NIKITA PATEL	A	A	A	0	0
0115CS201069	Nikita shilpar	10	11	10	31	52
0115CS201070	NITESH NAGAR	A	A	A	0	0
0115CS201071	Nitish Singh	5	10	7	22	37
0115CS201072	Nupendra Singh Chauhan	A	A	A	0	0
0115CS201073	Pallavi patle	A	A	A	0	0
0115CS201074	pankaj Thakre	7	7	7	21	35
0115CS201075	Pawan Jatav	A	A	A	0	0
0115CS201076	Prabhat patel	A	A	A	0	0
0115CS201077	prashant anand	A	A	A	0	0
0115CS201078	Pratham Tiwari	4	3	1	9	15
0115CS201081	Ragini sahu	4	6	1	11	18
0115CS201082	Raj Sharma	A	A	A	0	0
0115CS201083	Rajan kumar sharma	A	A	A	0	0
0115CS201084	Ram Tailor	3	5	4	12	20
0115CS201085	Ramji Jaiswal	6	11	7	24	40
0115CS201086	Ramji Jaiswal	2	8	4	14	23
0115CS201086	Ravi kumar	A	A	A	0	0
0115CS201087	Rishij Patel	0	7	1	8	13
0115CS201088	Ritik yadav	7	7	4	14	23
0115CS201099	Rohit Gupta	7	5	9	21	35
0115CS201090	Rohit kumar	A	A	A	0	0
0115CS201091	Sachin	A	A	A	0	0
0115CS201092	Sandip kumar pandey	A	A	A	0	0
0115CS201093	Sangeeta silawat	A	A	A	0	0
0115CS201094	Saniya Chandel	A	A	A	0	0
0115CS201095	Sanjeev pal	4	5	A	9	15
0115CS201096	Satyam kumar	A	A	A	0	0
0115CS201097	Shivani Rajput	A	A	A	0	0
0115CS201099	Shridhar Tamboli	7	9	12	28	47
0115CS201100	Shruti Chourasiya	A	A	A	0	0
0115CS201102	Shudhanshu mishra	A	A	A	0	0
0115CS201103	Somya agrawal	A	A	A	0	0
0115CS201104	Sona Ahirwar	A	A	10	10	17
0115CS201105	Sonam Prajapati	A	A	A	0	0
0115CS201107	Subhana Khanam	2	3	A	5	8



10/11/23

S.NO.	ENROLL. NO.	NAME OF STUDENTS	CS 701	CS 702	CS 703	TOTAL	PER
92	0115CS201109	Swati Pipariya	20	20	20	60	
93	0115CS201110	Swati prajapati	A	A	A	0	0
94	0115CS201111	Vaishali Lodhi	10	11	A	21	35
95	0115CS201112	Vaishali Namdev	6	11	13	30	50
96	0115CS201113	Vaishali Raipure	A	A	A	0	0
97	0115CS201114	Vandana lodhi	A	A	A	0	0
98	0115CS201115	Varsha kumari	5	5	A	10	17
99	0115CS201116	Vijay pandey	6	12	3	21	35
100	0115CS201117	Vijeta Mankar	7	12	15	34	57
101	0115CS201118	Vikas prajapati	A	A	A	0	0
102	0115CS201119	Vineet malviya	10	10	11	31	52
103	0115CS201120	Vishal choudhary	A	8	A	8	13
104	0115CS201121	Vishal Parmar	8	12	13	33	55
105	0115CS213D01	Anand Kumar Bais	9	10	13	32	53
106	0115CS213D02	Anita Khapariye	A	A	A	0	0
107	0115CS213D03	Bhoop Singh Baghel	A	A	A	0	0
108	0115CS213D04	Dinesh Lodhi	A	A	A	0	0
109	0115CS213D05	Kafeel Ahmad	A	A	A	0	0
110	0115CS213D06	Mahendra Kumar Saket	A	A	A	0	0
111	0115CS213D08	Md Intekhab Alam	A	A	A	0	0
112	0115CS213D09	Md. Nabil Ahmad	A	A	A	0	0
113	0115CS213D10	Rahul Pathe	A	A	A	0	0
114	0115CS213D11	Shefali Katare	A	A	A	0	0
115	0115CS201079	Priya Chouhan	A	A	A	0	0

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10/11/23



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First/ Second / Third - Theory Sessional/Practical Examination

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Class/Year : 2nd

Branch : CSE(A)

Name of Subject : Operating System

Date : 28-03-2023

Subject Code : CS-405

Max. Marks : 20

Exam Roll No. : 0115.CS211001

Time : 2 hrs

No. of Supplements used :

Signature of Invigilator / Internal Examiner	Marks Obtain						Signature of Valuer / External Examiner
	Q.1	Q.2	Q.3	Q.4	Q.5	Total	
<i>[Signature]</i>	1	2		3	1	7/20	<i>[Signature]</i>



Answer of Que - 02



System call → System call provides the interaction between operating system. System call is a process that used for interaction between user and operating system.

Application of system call →

- 1) Control execution.
- 2) Protection.
- 3) file management.

Verified
[Signature]
Audit team