



Gokhale Education Society's

R. H. SAPAT COLLEGE OF ENGINEERING MANAGEMENT STUDIES & RESEARCH



2.5.4 The Institution adheres to the academic calendar for the conduct of CIE

Index for proofs attached

Sr. No.	Description of proofs attached	Page No.
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PRINCIPAL

G.E.S.'s R. H. Sapat College of Engg.
Mgt. Studies & Research
Prin. T. A. Kulkarni Vidya Nagar, Nashik-5.

Savitribai Phule Pune University
(Formerly University of Pune)



**ACADEMIC CALENDAR FOR VARIOUS ACTIVITIES FOR
ENGINEERING COURSES FOR THE YEAR 2017-18**


FIRST TERM

Sr. No	Details of Activities	Year	Date
01	Commencement of Teaching	S.E./T.E./ B.E. & MCA – II / III Year	15/06/2017
02	Conclusion of Teaching	S.E./T.E./ B.E. & MCA – II / III Year	18/10/2017
03	Commencement of Teaching	M. E. II Year	01/07/2017
04	Conclusion of Teaching	M. E. II Year	28/10/2017
05	Practical/Oral /Project Examination	S.E./T.E./ B.E.	24/10/2017 to 09/11/2017
06	Practical Examination	M.E. II Year	30/10/2017 to 06/11/2017
07	Theory Examination	S.E./T.E./ B.E. & MCA – II / III Year	14/11/2017 to 11/12/2017


SECOND TERM

Sr. No	Details of Activities	Year	Date
01	Commencement of Teaching	F.E./S.E./T.E./ B.E. & MCA – I/II / III Year	18/12/2017
02	Conclusion of Teaching	F.E./S.E./T.E./ B.E. & MCA – I/II / III Year	06/04/2018
03	Commencement of Teaching	M. E. I & II Year	15/01/2018
04	Conclusion of Teaching	M. E. I & II Year	09/05/2018
05	Practical/Oral /Project Examination	F.E./S.E./ T.E./ B.E MCA I, II & III Year	09/04/2018 to 23/04/2018
06	Theory Examination	F.E./S.E./ T.E./ B.E MCA I, II & III Year	02/05/2018 to 29/05/2018
07	Practical Examination	M.E. I / II Year	11/05/2018 to 19/05/2018
08	Theory Examination	M.E. I / II Year	23/05/2018 to 07/06/2018

(*) Project examinations will start three days later from conclusion of theory examination.


 Deputy Registrar
 (P.G. Admission)

Ganeshkhind, Pune-07
 Ref. No. PGS/ 1532
 Date: 27/04/2017

	<p>Gokhale Education Society's</p> <p>R.H.SAPAT COLLEGE OF ENGINEERING, MANAGEMENT STUDIES AND RESEARCH</p> <p>Prin. T.A. Kulkarni Vidyanagar, Nashik- 422 005.</p> <p>DEPARTMENT OF MECHANICAL ENGINEERING</p>	<p>Date: 18.12.2017</p> <p>Pages : 1 -4</p>
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LESSON PLAN

Faculty Name: Mr. L.B.Chintamani

Class& Semester: TE (Mechanical) 2nd

Designation: Assistant Professor

Subject: Numerical Methods and Optimization

Department: Mechanical Engineering

Subject Code: (302047)

1. Prerequisite:

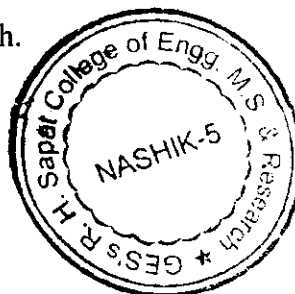
1. Basics of Mathematics.
2. Basics of Analytical & Numerical Methods.
3. Basics of Programming Language C, C++, C# etc

2. Course Objective:

1. Use appropriate Numerical Methods to solve complex mechanical engineering problems.
2. Formulate algorithms and programming.
3. Use Mathematical Solver.
4. Generate Solutions for real life problem using optimization techniques.
5. Analyze the research problem.

3. Course Outcomes:

1. Recognize the difference between analytical and Numerical Methods.
2. Effectively use Numerical Techniques for solving complex Mechanical engineering Problems.
3. Prepare base for understanding engineering analysis software.
4. Develop logical sequencing for solution procedure and skills in soft computing.
5. Optimize the solution for different real life problems with available constraints.
6. Build the foundation for engineering research.



4. Text Books:

T1. Steven C. Chapra, Raymond P. Canale, Numerical Methods for Engineers, 4/e, Tata McGraw Hill Editions.

T2. Dr. B. S. Garewal, Numerical Methods in Engineering and Science, Khanna Publishers.

T3. Steven C. Chapra, Applied Numerical Methods with MATLAB for Engineers and Scientist, TataMc-GrawHill Publishing Co-Ltd.

T4. Rao V. Dukkipati, Applied Numerical Methods using Matlab, New Age International Publishers.

5. Reference Books:

R1. Gerald and Wheatley, Applied Numerical Analysis, Pearson Education Asia.

R2. E. Balagurusamy, Numerical Methods, Tata McGraw Hill.

R3. P. Thangaraj, Computer Oriented Numerical Methods, PHI.

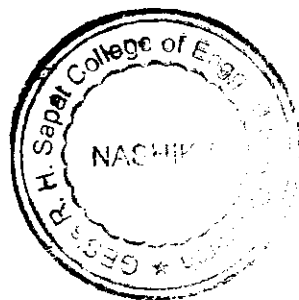
R4. S. S. Sastry, Introductory Methods of Numerical Analysis, PHI.

6. ICT Based References:

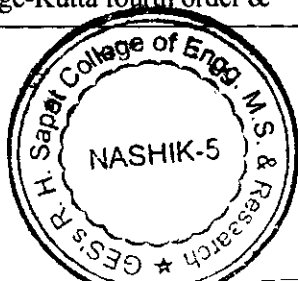
1. <https://nptel.ac.in/courses/122102009>

2. <https://nptel.ac.in/courses/111107105>

3. <https://nptel.ac.in/courses/111107062/>



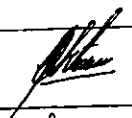


Unit No.	Weeks	Lecture No.	Topics To Be Covered	Books Referred	Teaching Aids
1	1	L1	Absolute, Relative Error	T1,T2,R2	CHALK & BOARD
		L2	Algorithmic, Truncation Error		
		L3	Round off Error		
		L4	Error Propagation		
	2	L5	Concept of convergence relevance to numerical methods		
		L6	Bisection Method-Numerical		
		L7	Newton Raphson method- Numerical		
		L8	Successive approximation method-Numerical		
2	3	L9	Gauss Elimination Method	T1, T2, R2, R3	CHALK & BOARD PPT
		L10	Numerical on Gauss Elimination Method		
		L11	Partial pivoting & Numerical on Partial pivoting		
		L12	Gauss Seidal method		
	4	L13	Numerical on Gauss Seidal method		
		L14	Thomas algorithm for Tridiagonal Matrix		
		L15	Numerical on Thomas algorithm for Tridiagonal Matrix		
		L16	Numerical on Jacob iteration method		
3	5	L17	Introduction to optimization, Classification,	T1, T2, R2	CHALK & BOARD
		L18	Constrained optimization: Graphical and Simplex method		
		L19	Numerical on Graphical Method		
		L20	Numerical on Simplex method		
	6	L21	One Dimensional unconstrained optimization: Newton's Method		
		L22	Numerical on Newton's Method		
		L23	Modern Optimization Techniques: Genetic Algorithm (GA)		
		L24	Numerical on Genetic Algorithm (GA)		
	L25	Modern Optimization Techniques: Simulated Annealing (SA)			
	L26	Numerical on Simulated Annealing (SA)			
4	7	L27	Taylor series method & Numerical	T1, T2, R2, R3	CHALK & BOARD
		L28	Euler Method & Numerical		
		L29	Runge-Kutta fourth order &		

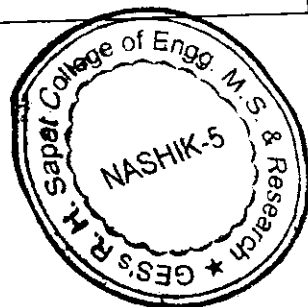


			Numerical		
	8	L30	Simultaneous equations using RungeKutta 2nd order method & Numerical		
		L31	finite difference method & Numerical		
		L32	Simple Laplace method & Numerical		
		L33	PDEs- Parabolic explicit solution & Numerical		
		L34	PDEsElliptic-explicit solution & Numerical		
5	9	L35	Least square technique- Straight line & Numerical	T1,T2,R2	CHALK & BOARD PPT
		L36	Power equation & Numerical		
		L37	Exponential equation & Numerical		
		L38	Quadratic equation & Numerical		
	10	L39	Introduction to multi regression analysis		
		L40	Lagrange's Interpolation & Numerical		
		L41	Newton's Forward interpolation & Numerical		
		L42	Inverse interpolation (Lagrange's method only) & Numerical		
6	11	L43	Trapezoidal rule & Numerical	T1,T2,R2,R3	CHALK & BOARD PPT
		L44	Simpsons 1/3 rd rule & Numerical		
		L45	Simpsons 3/8 th rule & Numerical		
	12	L46	Gauss Quadrature 2 point and 3 point method & Numerical		
		L47	Double Integration Trapezoidal rule & Numerical		
		L48	Double Integration Simpsons 1/3 rd rule & Numerical		

LIST OF ASSIGNMENT

Numerical on each topic of Unit No.1-6

	Prepared by	Approved by
Signature	 	 HOD
Name	Prof. L.B. Chintamani & Prof. A.K. Solve	
Designation	Asst. Prof.	





Gokhale Education society's
R.H. Sapat College of Engineering, Management Studies and
Research

Prin. T.A. Kulkarni Vidyanagar, Nasik- 422 005.
DEPARTMENT OF MECHANICAL ENGINEERING
Mechanical System Design

Time: 50 min

Max. Marks: 20

Instructions: 1) *Neat diagrams must be drawn wherever necessary.*
2) *Black figures to the right indicate full marks.*

Date: 23/01/2018

-
- Q. 1 Explain Maximum loss of economic cutting speed & derive the expression for the same. [06]
- Q. 2 Draw the Structural diagram for following structural formula. [10]
- (a) 2(1) 3(2) (b) 2(3) 3(1) (c) 2(1) 2(2) 3(4) (d) 2(6) 2(1) 3(2)
- Q. 3 Explain the significance of geometric progression. [04]



Class Test: 1 [B.E. Mechanical Div: A]

Sub :- MSD

A.Y. 2017-18

Date :- 23/01/18

Roll No	Name of Student	Sign	Marks
1	Aher Mininath Arjun		15
2	Aher Shashikant Kailas		07
3	Chavan Swapnil Jagan		12
4	Date Akash Rajaram		09
5	desale vijay arvind		12
6	Deshpande Rasika Pramod	— AB —	—
7	Dev Niranjn Vasudeo		14
8	Dhakane Sumit Rajendra		10
9	Dholi Swapnil Shivaji		08
10	Dhondge Sanket Prabhakar		11
11	Faganekar Shreya Sharad		09
12	Gahlot Ashish Rupesh		14
13	Jadhav Abhishek Kailas		11
14	JAGZAP BHAGYASHRI BALNATH	— AB —	—
15	Jethva Hiren Ashok		04
16	Kadam Ajit Somnath		11
17	Kajale Ajay Arun		10
18	Kakade Aditya Prashant	— AB —	—
19	Khaire Shital Rajesh		09
20	khapre Prasanna Vinod		06
21	Marathe Ankita Lotan		11
22	Metkar Nikita Chandrakant	— AB —	—
23	Modhe Pratik Dnyaneshwar		08 15
24	Mogal Neha Sanjay	— AB —	—
25	Mogare Amol Dinkar		06
26	Mogare shubham sunil		13
27	More Harshal Eknath		12
28	More Saurabh Umakant		10
29	Nasikkar Akshada Anil	— AB —	—
30	Ohol Akshay Ravindra	— AB —	—
31	Pachpol Mayur Vilas	— AB —	—
32	Pagar Chetan Dinesh		10
33	Pardeshi Kaustubh Dilipsing		13
34	Patel Yash Vijay	— AB —	—
35	Patil Bhushan Aabasaheb		11
36	patil bhushan sanjay		14
37	Patil mukeshkumar vilas	— AB —	—
38	patil pankaj devidas	— AB —	—
39	Pawar Abhijit Girish		11



Roll No	Name of Student	Sign	Mark
40	Pethe Sujaya Chandrashekhar	<u>Sujaya</u>	09
41	Sable Saurabh Ashok	<u>Sable</u>	11
42	Sakhare Aditya Ratnakar	<u>Sakhare</u>	11
43	Satalkar Sonali Subhash	<u>AB</u>	—
44	Satalkar Vishal Anil	<u>AB</u>	—
45	Sharma Akash Vasudev	<u>AB</u>	—
46	Shejwal Pratik Vinayak	<u>Shejwal</u>	07
47	shimpi nikhil kamalakar	<u>AB</u>	—
48	Shinde Kalpesh Pralhad	<u>Shinde</u>	10
49	shinde mahesh dilip	<u>AB</u>	—
50	shinde mohini pravin	<u>AB</u>	—
51	Shirsath Rahul Sayaji	<u>AB</u>	—
52	sonar kasturi suresh	<u>AB</u>	—
53	Tanksale Nikhil Rajesh	<u>Nikhil</u>	05
54	Wagh urmila vijay	<u>Wagh</u>	10
55	Mogal Priyanka Sahebrao	<u>Mogal</u>	11
56	Patil Ankit Pradip	<u>AB</u>	—
57	PATIL SANDEEP BHATU	<u>Patil</u>	08
58	Pratish Prakash Shinde	<u>AB</u>	—
59	Paresh Maruti Ighe	<u>Paresh</u>	11
60	Bhavesh Ramnath Mundada	<u>AB</u>	—
61	Salve Pravibn Rajaram	<u>AB</u>	—
62	Deore Monali Rajendra	<u>Deore</u>	16
63	ugale shivam sukdev	<u>Ugale</u>	10
64	Uday Deepak Mahire	<u>AB</u>	—
65	sanket avinash bendale	<u>Sanket</u>	04
66	gotarne sarika suresh	<u>Gotarne</u>	14
67	salve shubham vijay	<u>Salve</u>	09
68	Pagar Chetan Satish	<u>AB</u>	—
69	akshay ramanlal Bothara	<u>AB</u>	—
70	sonawane yatish jagdish	<u>Yatish</u>	07
71	nathbuva Sachin Vasant	<u>AB</u>	—
72	rajput rohan d	<u>Rajput</u>	09
73	Shahare sushmita	<u>AB</u>	—

Shubham
Subject Teacher

Class Test conducted on:- 23/01/2018

Result Displayed on:-



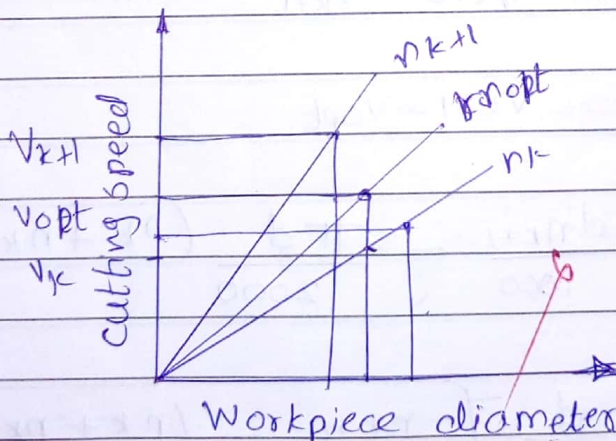


GOKHALE EDUCATION SOCIETY'S
**R. H. SAPAT COLLEGE OF ENGINEERING
 MANAGEMENT STUDIES & RESEARCH**
 Prin. T. A. Kulkarni Vidyanagar, Nashik 422 005 (M.S.), India

Name : Gotarne Sarika Suresh Roll No. 66
 Academic Year : 2017-18 PRN : _____ Unit Test : I
 Class / Branch : BE / Mechanical Date : 23/01/2018
 Div. / Sem. : A / II Marks Obtained : 10
 Subject : MSD Max. Marks : 20
 Name & Sign. of Jr. Supervisor : _____ Name & Sign. of Examiner : _____

Q.1 Loss of economic cutting speed

Economic cutting speed is defined as the difference between actual cutting speed and optimum cutting speed.



Here v_k & v_{k+1} are the cutting speed
 v_{opt} is lies betⁿ v_k & v_{k+1}

$$v_k < v_{opt} < v_{k+1}$$



$$V_k = \frac{\pi N_k D_k}{1000}$$

$$V_{k+1} = \frac{\pi n D_{k+1}}{1000}$$

$$V_{opt} = \frac{V_k + V_{k+1}}{2} = \frac{\pi n_k D_k + \pi n_{k+1} D_{k+1}}{1000 \cdot 2}$$

$$V_{opt} = \frac{\pi d}{2000} \left[\frac{D_k + D_{k+1}}{D_{k+1}} \right]$$

$$V_{opt} = \frac{\pi d}{2000} (n_{k+1} - n_k)$$

$$V_{opt} = \frac{\pi d}{1000} \cdot 2$$

Select the spindle speed V_{k+1}

$$(\Delta V)_{opt} = V_{k+1} - V_{opt}$$

$$= \frac{\pi d n_{k+1}}{1000} - \frac{\pi d}{2000} (n_k + n_{k+1})$$

$$= \frac{\pi d}{1000} \left[n_{k+1} - \frac{(n_k + n_{k+1})}{2} \right]$$

$$= \frac{\pi d}{1000} \left[\frac{2n_{k+1} - n_k - n_{k+1}}{2} \right]$$

$$= \frac{\pi d}{2000} [n_{k+1} - n_k] \quad \text{--- (2)}$$



$$\frac{(\Delta V)_{opt}}{V_{opt}} = \frac{\frac{\pi d}{2000} (n_{k+1} - n_k)}{\frac{\pi d}{2000} (n_{k+1} + n_k)}$$

$$\frac{(\Delta V)_{opt}}{V_{opt}} = \frac{n_{k+1} - n_k}{n_{k+1} + n_k}$$

We know $\phi = \frac{n_{k+1}}{n_k}$

$$\frac{(\Delta V)_{opt}}{V_{opt}} = \frac{\phi - 1}{\phi + 1}$$

$$\therefore (\Delta V)_{opt} = \left(\frac{\phi - 1}{\phi + 1} \right) V_{opt}$$



Q.2 Draw structural dia.

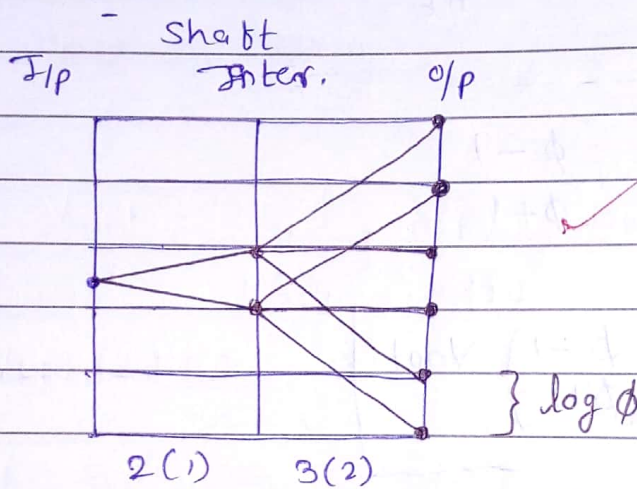
① 2(1) 3(2)

$$P_1 = 2 \quad ; \quad x_1 = 1$$

$$P_2 = 3 \quad ; \quad x_2 = 2$$

$$Z = P_1 P_2 = 2 \cdot 3 = 6$$

$$n = 2$$



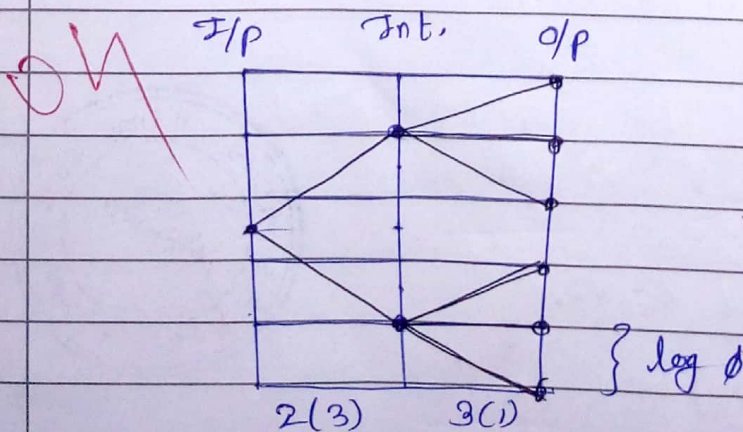
② 2(3) 3(1)

$$P_1 = 2 \quad ; \quad x_1 = 3$$

$$P_2 = 3 \quad ; \quad x_2 = 1$$

$$Z = P_1 P_2 = 6$$

$$n = 2$$



410448 & 410455: Project Work Book (Guidelines and Log)

Fourth Year Computer Engineering

Year 2017 - 2018

Group/Project ID:

		0	3
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Team Members:

1. Lokhande Rohit Kiran
2. Patel Kruti Pravinchandra
3. Lonari Asmita Satish
4. Ghorpade Abhijit Kailas

Project Title:

Employee Self Service for Winjit Technology

Project Guide:

Prof. C.R.Barde

Area of the Project:

E. R. P.



Department of Computer Engineering
Gokhale Education Society's R. H. Sapat College of Engineering,
Management Studies and Research
Krishi Nagar, Nashik, Maharashtra 422005

Affiliated to Savitribai Phule Pune University, Pune

Annexure vii: Report Documentation

Report Documentation				
Report Code: CS-BE-Project 2017-2018		Report Number:		
Report Title: Employee Self Service for Winjit Technology				
Address (Details): Gokhale Education Society's R. H. Sapat College of Engineering, Management Studies and Research Krishi Nagar, Nashik, Maharashtra 422005				
Author 1: Lokhande Rohit Kiran Address: N-42, JE1, 17/3, Savata Nagar, Nashik E-mail : er.rohitlokhande@gmail.com Roll: Cell No: 9970677520	Author 2: Patel Kruti Pravinchandra Address: Vapi, Gujrat E-mail : patelkrutipravin@gmail.com Roll: Cell No: 7016806641	Author 3: Lonari Asmita Satish Address: Manmad, Nashik E-mail : asmitalonari@gmail.com Roll: Cell No: 9604825703	Author 4: Ghorpade Abhijit Kailas Address: Igitpuri, Nashik E-mail : er.abhijitghorpade@gmail.com Roll: Cell No: 7745057992	
Year: 2017 - 2018				
Branch: Computer Engineering				
Key Words:				
Type of Report: FINAL	Report Checked By:	Report Checked Date:	Guides Complete Name:	Total Copies
Abstract: Human Resources Management also deal with the facilities and requirements the Human Workforce are availing and need for their working process and carrier growth. It used to act as a bidirectional process flow which increase the "Workforce" and "Senior Management" and collaborate everybody's requirements in a solution space and help to provide a better and value added service or outcome to customer or client of the organization.				

General Instructions

1. Students should enter the correct information in the work book.
2. Get all entries verified by respective project guide. No changes are to be made
Without project guide permission.
3. Students should report to their respective guides as per the schedule and its log is to be maintained in the work book.
4. Follow all deadlines and submit all documents strictly as per prescribed Formats.
5. The work book should be produced at the time of all discussions, presentations and examinations.
6. The work book must be submitted to project coordinator/ guide/ department / College after successful examination at the end of year.
7. All documents and reports are to be prepared in Latex only (All the formats specifications provided adheres to MS Word but consequently applicable to final project report published using Latex)
8. Submit hard as well as soft copy. Maintain one copy with each member.
9. As a conscious effort and little contribution towards green IT and environment awareness, it is recommended to avoid printed version of this workbook and use soft version.

4. Undertaking by Students

Gokhale Education Society's
R. H. Sapat College of Engineering, Management Studies and Research
Krishi Nagar, Nashik, Maharashtra 422005

UNDERTAKING BY STUDENT

We, the students of B.E. Computer hereby assure that we will follow all the rules and regulations related to project activity for the academic year 2017 -2018. The Project entitled-



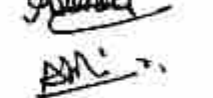
Employee Self Service

Will be fully designed/ developed by us and every part of the project will be original work and will not be copied/ purchased from any source.

Name of the student

1. Lokhande Rohit Kiran
2. Patel Kruti Pravinchandra
3. Lonari Asmita Satish
4. Ghorpade Abhijit Kailas

Signature

5. Instructions Regarding Project Proposal and Finalization

1. The project work may involve the designing a system/subsystem or upgrading / improving an existing system. The design is to be implemented into a working model (software or hardware or both) with necessary software interface as an executable package (installable package or hardware model) along with
 - User & system manual and quick reference guide
 - A project report including all necessary documents.
2. Group may come up with sponsored project. Sponsorship may not be in terms of money or resources. It might be in terms of just suggesting problem definition and associated guidance. Students may collect the letter required for applying the Institute/Industries for the project sponsorship from project coordinator
3. List of suggested projects, prominent domains and respective expert , whom you may contact for guidance, with Project Coordinator. Students may contact respective staff along with synopsis for the guidance. Students may contact respective staff for projects suggested by them in the respective areas.
4. Meet Project Coordinator for project title registration.
5. Synopsis must include project title, group members, sponsor details (if any), detailed problem definition, area, abstract, details of existing similar systems if any, scope of the project and software-hardware requirements. Sponsorship details include name of sponsoring authority, address, name of guide, sponsorship terms & conditions and respective documents certifying the same from authorities.
6. A Panel of experts will approve the project group and title only after presentation as per schedule. Presentation will cover details mentioned in the synopsis as above.

7. Copy of Proposal / Synopsis as per format (Annexure I)

1 Group ID

03

2 Project Title

Employee Self Service for Winjit Technology

3 Project Option

Industry

4 Internal Guide

Prof.C.R.Barde

5 Sponsorship and External Guide

Winjit Technology Pvt.LTD, C 1/1 A Road, NICE, MIDC Satpur, Nashik, 9175723773

Mr.Pratap Kuyate

6 Technical Keyword

Organizations, Measurement

7 Problem Statement

Develop a system which help to maintain employee - client details and helps to track project details

8 Abstract

Human Resources Management also deal with the facilities and requirements the Human Workforce are availing and need for their working process and carrier growth. It used to act as a bidirectional process flow which increase the "Workforce" and "Senior Management" and collaborate everybody's requirements in a solution space and help to provide a better and value added service or outcome to customer or client of the organization. To make a human resource department more effective and efficient new technologies are now being introduced on a regular basis so make things much simpler and more modernized. One of the latest human resource technologies is the introduction of a Human Resources Management System this integrated system is designed to

help provide information used in HR decision making such as administration, payroll, recruiting, training, and performance analysis.

9 Goals and Objectives

9.1 To Empower Employees

9.2 To Expedite Leave Application Process

9.3 To Establish a Paper Free Process

9.4 To Eliminate Errors and to bridge the Gaps

10 Relevant Mathematics associated with the project

System Description: Input: User Are Input Output: Status of user are output
Identify data structures, classes, divide and conquer strategies to exploit distributed/parallel/concurrent processing, constraints. Functions: Identify Objects, Morphisms, Overloading in functions, Functional relations

11 Names of Conferences / Journals

<http://ieeexplore.ieee.org/document/7996177/>

<http://ieeexplore.ieee.org/document/7029301/>

12 Review of Conference/Journal Papers supporting Project idea

<http://ieeexplore.ieee.org/document/6450571/>

13 Plan of Project Execution

Trello

8.2 Project Review-II: Feasibility and Scope

Student is expected to deliver presentation covering Feasibility and Scope

Sr. No.	Question	Date	Remark / Grade	Sign of Guide
1)	Is the project's view point is understood?	3-7-17	} ok	eha
2)	Is the project goal statement is in alignment with the sponsoring organization's business goal and mission?	3-7-17		
3)	Who is the project's end user?	4-7-17	} Vonged	eha
4)	What is the projected cost of producing a product?	4-7-17		
5)	Is project achievable in specified (Time, Cost Budget)?	4-7-17		
6)	Are the requirements within the scope of the project?	5-7-17	} ok	eha
7)	Is the scope properly defined?	5-7-17		
8)	Does the problem statement clearly define scope of the project?	7-7-17	} ok	eha
9)	Do the project requirements fit into available software and hardware?	7-7-17		
10)	Whether the milestones are stated completely and project timeline is given?	7-7-17		
11)	Whether risks like technical risks, Operational risks, schedule risks, business risks are identified correctly or not?	8-7-17	} Vonged	eha
12)	Whether Risk prioritization is done properly or not and any back up plan is there or not?	8-7-17		
Remark and Suggestions:				

Name and Sign of Reviewers:

1. Prof. C. R. Barde 
- 2.

8.3 Project Review-III: Requirement Analysis

Student is expected to deliver presentation covering Requirement Analysis

Sr. No.	Question	Date	Remark / Grade	Sign of Guide	
1)	Is information domain analysis complete, consistent and accurate?	24/7/17	}		
2)	Is problem statement categorized in identified area and targeted towards specific area there in?	24/7/17		ok	eha
3)	Is external and internal interfacing properly defined?	24/7/17			
4)	Are requirement consistent with schedule, resources and budget?	25/7/17	}		
5)	Are all requirements traceable to system level?	25/7/17		Yes	eha
6)	What is needed to make the product?	25/7/17			
7)	Is there a demand for the produce?	26/7/17	}		
8)	Is identification of stakeholders is done properly?	26/7/17		ok	eha
9)	Whether all requirements are captured and documented in line with scope?	28/7/17			
10)	Whether all type of analysis classes are identified or not?	29/7/17	}	Yes	eha
11)	Whether the Acceptance criteria is decided are not?	29/7/17			

Remark and Suggestions:

Name and Sign of Reviewers:

1. Prof. C.R. Bhande 
- 2.


8.4 Project Review-IV: Design

Student is expected to deliver presentation covering Design

Sr. No.	Question	Date	Remark / Grade	Sign of Guide
1)	Are requirement reflected in the system architecture?	4/9/17	} Verified	eha
2)	Does the design support both project (product) and project goals?	4/9/17		
3)	Does the design address all the issues form the requirement?	4/9/17		
4)	Is effective modularity achieved and modules are functionally independent?	5/9/17	} ok	eha
5)	Are structural diagrams (class, Object, etc) are well defined?	8/9/17		
6)	Are all class associations clearly defined and understood?(Is it cleat which classes provide which services)?	8/9/17		
7)	Are the classes in the class diagram clear? (What they represent in the architecture design document?)	9/9/17	} ok	eha
8)	Is inheritance appropriately used?	9/9/17		
9)	Are the multiplicities in the use case diagram depicted in the class diagram?	11/9/17		
10)	Are all objects used in sequence diagram?	11/9/17	} Yes	eha
11)	Are the symbols used in all diagrams corresponding to UML standards?	12/9/17		
12)	Are behavioral diagrams (use case, sequence, activity, etc.) well defined and understood?	12/9/17		
13)	Does each case have clearly defined actors and input/ output?	13/9/17	} tested	eha
14)	Does the sequence diagram matches with class diagram?	13/9/17		
15)	Is aggregation/ containment (used) clearly defined and understood?	14/9/17	} ok	eha
16)	Whether State charts are capturing system's dynamic behavior correctly or not?	14/9/17		
17)	Related to procedural thinking whether DFDs and CFDs along with transaction and transformation flow are done correctly or not	16/9/17		

Remark and Suggestions:

Name and Sign of Reviewers:

1. Prof. C. R. Bante  2.

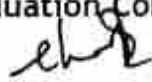
9. Internal Evaluation Sheet (Semester I)

Sr. No.	Name(s) of the student in the project group	Problem Statement / Motivation / Objectives / Scope/ Feasibility Requirement (05)	Literature Survey (05)	Requirement Analysis (05), Modeling & Designing(10)	planning & Prototyping (05)	Presentation & Question - Answer (10)	Partial Project Report (10)	Total (50)
1.	Rohit Kiran Lokhande	04	04	12	04	08	10	42
2.	Krunali Patil	04	04	12	04	08	10	42
3.	Asmita S. Lonari	04	04	11	04	08	10	41
4.	Abhijit K. Ghorpade	04	04	10	04	08	10	40

(Refer Rubrics - page number 26)

Name and Signature of Evaluation Committee:

1. Prof. C.R. Barde



2. Prof.

Examiners Feedback and Suggestions:


Signature of Guide

Prof.C.R.Barde


Signature of Head

Dr.D.V.Patil
Head of Department



10. Project Review: (Semester II)

The group members are expected to present their work undertaken during the semester. Journey of development has to be rationally presented.

10.1 Project Review-I: Modeling (Model Refinement and Algorithm development)

Sr. No.	Question	Date	Remark / Grade	Sign of Guide
1)	Which software Development Process model is used? (Water fall, Incremental, RAD) How? (? at this level?)	18/12/17	} ok	ehz
2)	Do you clearly identify data objects, their attributes and relationships?(All constraints from SRS are captured or not?)	18/12/17		
3)	Have you clearly matched the objects with respective classes and their responsibilities?	18/12/17		
4)	Have you analyzed the requirements and represented them into respective models?	11/11/18	} Verified	ehz
5)	Can you differentiate between different system states and depict them in the form of state transition diagram?	11/11/18		
6)	Does the mathematical model clearly imply design of the project?	11/11/18		
7)	Does the mathematical model clearly states goal of project?	8/11/18	} ok	ehz
8)	Does the interface between the modules properly identified?	8/11/18		
9)	Does any functional dependencies are identified and described?	15/11/18	} ok	ehz
10)	Which architectural model does your system supports?	15/11/18		
11)	Whether Deployment diagram is inline with selected architecture?	15/11/18		
12)	Whether all components are designed properly and represented in component diagram?	15/11/18		
13)	Whether NP-completeness of algorithms is checked or not	22/11/18	ok	ehz
Remark and Suggestions:				

Name and Sign of Reviewers:

1. Prof. C.R. Barde 
2. D.V. Patil 

10.2 Project Review-II: Coding / Implementation

Student is expected to deliver presentation covering Coding / Implementation

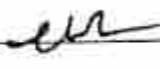
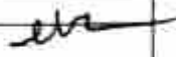

Sr. No.	Question	Date	Remark / Grade	Sign of Guide
1)	Does the code completely and correctly implement the design?	22/1/18	OK	<i>eha</i>
2)	Does the code comply with the coding standard?	5/2/18	}	<i>eha</i>
3)	Is the code well structured, consistent in style, and consistently formatted?	5/2/18		
4)	Are all functions in the design coded?	5/2/18		
5)	Does the code make use of object oriented concepts?	12/2/18	} Verified	<i>eha</i>
6)	Does the code support granularity?	12/2/18		
7)	Does the language used for coding is correctly chosen as per the project need?	12/2/18		
8)	If any off the shelf components are used, Have you understood the functionalities of using it?	26/2/18	} Tested.	<i>eha</i>
9)	Are all comments consistent with the code?	26/2/18		
10)	Whether code optimization is done properly or not.	26/2/18		
Remark and Suggestions:				

Name and Sign of Reviewers:

1. Prof. C.R. Barse. *eha*
2. D.V. Patil *[Signature]*

10.4 Project Review-III: Report Writing

Student is expected to deliver presentation covering Report Writing

Sr. No.	Question	Date	Remark / Grade	Sign of Guide
1)	Is the report written as per the prescribed format?	22/3/18	} Ok	
2)	Is the report timely prepared?	22/3/18		
3)	Is the report properly organized, spelled, grammatically correct?	25/3/18	} Pending	
4)	Is the report plagiarism free?	28/3/18		
5)	Is the report precise and written to the point?	4/4/18		
6)	Is the report contains complete results and comparative graphs?	5/4/18	} Ok	
7)	Are all figures and tables properly numbered and labeled?	6/4/18		
8)	Are all figures and tables properly cited	6/4/18		
9)	Weather references are properly cited?	6/4/18		
Remark and Suggestions:				

Name and Sign of Reviewers:

1. Prof. C.R. Basde. 

2. D.V. Patil 

14. Rubrics

A. Idea Inception

Grade (Grade Point)	Excellent (10-9)	Very Good (6-8)	Fair (3-5)	Poor (1-2)
Parameter				
Problem Definition and Scope of the Project		✓		
Literature Survey	✓			
Software Engineering Approach		✓		
Requirement Analysis	✓			

B. Implementation

Grade (Grade Point)	Excellent (10-9)	Very Good (6-8)	Fair (3-5)	Poor (1-2)
Parameter				
Implementation-Design, platform, coding,	✓			
Optimization considerations(Memory, time, Resources, Costing)		✓		
Thorough Testing of all modules	✓			
Integration of modules and project as whole	✓			

C. Documents

Grade (Grade Point)	Excellent (10-9)	Very Good (6-8)	Fair (3-5)	Poor (1-2)
Parameter	✓			
Synopsis		✓		
Project Report	✓			

Quick references	✓			
System manual	✓			
Installation Guide	✓			
Work Book		✓		

D. Demonstration

Grade (Grade Point)	Excellent (10-9)	Very Good (6-8)	Fair (3-5)	Poor (1-2)
Parameter				
Project Presentation and Demonstration (User Interface, ease of use, usability)	✓			
Understanding individual capacity & involvement in the project		✓		
Team Work (Distribution of work, intra-team communication and togetherness)		✓		
Outcomes/ Usability	✓			

E. Contest Participation / Awards, Publications and IPR

Grade (Grade Point)	Excellent (10-9)	Very Good (6-8)	Fair (3-5)	Poor (1-2)
Parameter				
Participation in various contests	✓			
Appreciation and Awards		✓		
Publications	✓			
Copyright	✓			
Patent		✓		
Commercial value /product conversion of Work	✓			

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**R. H. SAPAT COLLEGE OF ENGINEERING
MANAGEMENT STUDIES & RESEARCH**

Print. T. A. Kulkarni Vidyanagar, Nashik - 422 005. (M.S.), India



Practical Continuous Assessment

ACADEMIC YEAR : 2017 - 2018

TERM : FIRST / SECOND

CLASS : SE DIV A _____ BRANCH : Electrical _____

SUBJECT : Electrical Machine - I Lab _____

NAME OF THE STAFF : Jayesh V Kothavade _____

DEPARTMENT OF THE STAFF Electrical Engg. _____

Gokhale Education Society's
**R. H. SAPAT COLLEGE OF ENGINEERING
 MANAGEMENT STUDIES & RESEARCH**
 Print. T. A. Kulkarni Vidyanagar, Nashik - 422 005. (M.S.), India

Academic Year : 2017-18





Semester From : 18/12/17 To 06/04/18




Class & Branch

Code No. / Subject Name

1) SE DIV A Electrical

203146 - Electrical Machine-I Lab

Initials of H.O.D. With Date	End of 1 st Month	End of 2 nd Month	End of 3 rd Month	End of the Semester
	   			

Signature with Date	Staff Members	H.O.D.	Principal
			

R. H. Sapat College of Engineering Management Studies and Research, Nashik

Roll No.	Name of Student	Date	Experiment No. 1	Date	Experiment No. 2	Date	Experiment No. 3	Date	Experiment No. 4	Date	Experiment No. 5	Date	Experiment No. 6	Date	Experiment No. 7	Date	Experiment No. 8
21	GANGURDE AKSHAY NIVRUTHI	04/01	3	11/01	3	18/01	3	25/01	3	01/02	3	22/02	3	15/03	3	22/03	3
22	GANGURDE ASHUTOSH RAMESH	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
23	GAVT AKSHAY NARAYAN	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
24	GAWALKAR ABHIRAM SONAY	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
25	GAWALKAR TEJAS LITANI	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
26	GERVAL KRISHNAKANT KISHOR	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
27	GOSAVIPALLAVI HARIBHAU	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
28	GOTARBNE DARSHAN ROHIDAS	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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Roll No.	Name of Student	Date	Experiment No. 1	Date	Experiment No. 2	Date	Experiment No. 3	Date	Experiment No. 4	Date	Experiment No. 5	Date	Experiment No. 6	Date	Experiment No. 7	Date	Experiment No. 8
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46	JADHAV HARSHAL DIPAK	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3

OKAY

OKAY

OKAY

R. H. Sapat College of Engineering Management Studies and Research, Nashik

Roll No.	Name of Student	Experiment No. 1		Experiment No. 2		Experiment No. 3		Experiment No. 4		Experiment No. 5		Experiment No. 6		Experiment No. 7		Experiment No. 8	
		Date	08/01	Date	15/01	Date	22/01	Date	29/01	Date	26/02	Date	12/03	Date	19/03	Date	25/03
47	MAHESHWARI ANKUSH	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4
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71	MAHESHWARI ANKUSH	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4



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2017-18

R.H.SAPAT COLLEGE OF ENGINEERING, MANAGEMENT STUDIES & RESEARCH

Prin. T.A. Kulkarni Vidyanagar, Nashik- 422 005.

DEPARTMENT OF MECHANICAL ENGINEERING

In semester Assessment Record

Subject: Mechanical Measurement and Control [6022214] ME (Design)

ME-IInd

Academic Year: 2017-18

Sr. No.	Exam Seat No.	Name of Student	Test-I (15 Marks)	Test-II (15 Marks)	Assignment (20 Marks)	Total Insem 50 Marks
1	—	Naikwade Ajinkya Bharat	AB	AB	AB	AB
2	8080	Vadghule Avdhoot Yogendra	12	12	18	42
3	—	Rahane Sarthak Nitin	AB	AB	AB	AB
4	5861	Ghorpade Deepali Prabhakar	9	8	16	33
5	7711	Shinde Nilesh Devidas	8	9	18	35
6	7693	Shinde Atul A.	9	8	19	36
7	7413	Rao Sudendra N.	8	09	17	34
8	5448	Sanjay G. Chaudhari	AB	AB	AB	AB
9	6160	Joshi Prajata S.	10	8	18	36
10	7197	Vivek Patil	10	12	09	31


Prof. R.S. Pawar


Dr. P.B. Nehe




Dr. K.V. Chandratre

Name of Subject In charge:

ME Coordinator

HOD