



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY (A Unit of Alva's Education Foundation)


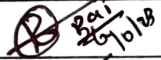
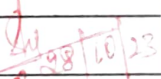
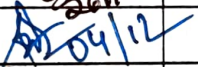
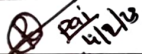


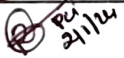

Shobhavana Campus, Mijar--574227, Moodbidri , D.K

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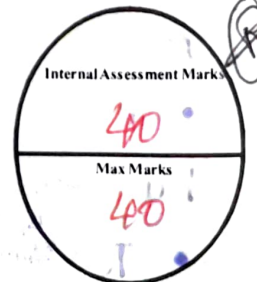
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INTERNAL ASSESSMENT ANSWER BOOK

Branch : AIML

Test	Date	Signature of the invigilator	Maximum Marks	30	Signature of the Student with Date	Signature of the Teacher with Date
			Marks Obtained			
I	26/10/23		29			
II	4/12/23		30			
III	2/1/24		30			
Total Marks			89/90			
Average Marks			30/30			
Average of Assignment/ Quiz/Seminar etc			10			
Grand Total			40			
Marks in words			Four Zero.			

Name : Preetham
USN : HAL20A1034
Sem. & Section : 7th sem
Course Name / Code : Computer Vision
Name of the Faculty : Shrikanth N



Signature of the Faculty

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidri - 574 225, D.K. Karnataka, India

VISION OF THE INSTITUTE

Transformative education by pursuing excellence in Engineering and Management through enhancing skills to meet the evolving needs of the community

MISSION OF THE INSTITUTE

- * To bestow quality technical education to imbibe knowledge creativity and ethos to students community
- * To inculcate the best engineering practices through transformative education
- * To develop a knowledgeable individual for a dynamic industrial scenario
- * To inculcate research entrepreneurial skills and human values in order to cater the needs of the society

VISION OF THE DEPARTMENT

Foster competent professionals by instilling knowledge and skills in the Artificial Intelligence and machine Learning realm to later needs of industry and community.

MISSION OF THE DEPARTMENT

- To strengthen the assimilation of concept in AIML through experiential learning
- To create a better Academia-Industry liaison by means of skill enhanced training.
- To develop a Support system for research & development for broader application in AIML domain.
- To promote Entrepreneurial culture through interaction with collaborative knowledge partners

INTERNAL ASSESSMENT MARKS ENTRY

Q.No's		I.A -I			I.A -II			I.A -III		
		Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's
1	a	8	8	1	8	8	2			
	b	7	7	1	7	7	2			
	c									

OR

2	a	8	-		8	-		8	8	3
	b	7	-		7	-		7	7	3
	c									

3	a	8	7	1	8	8	3	8	8	4
	b	7	7	1	7	7	3	7	7	4
	c									

OR

4	a	8	-		8	-		8	-	
	b	7	-		7	-		7	-	
	c									

TOTAL		30	29	---	30	30	---	30	30	---
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COURSE OUTCOMES

CO 1	Demonstrate the concept of fundamental image processing techniques Required for computer vision
CO 2	understand image formation Process
CO 3	Apply the techniques like stereopsis to understand the shape of the Picture or image
CO 4	Develop application using computer vision technique like Segmentation representation grouping and model fitting motion
CO 5	understand video processing and motion computation.
CO 6	

PROGRAM OUTCOMES (POs)

PO1	Engineering Knowledge : Apply the knowledge of mathematics, science, Engineering fundamentals and an engineering specialization to the solution of complex engineering problems
PO2	Problem analysis : Identify formulate review research literature and analyze complex engineering problems reaching substantiated conclusion using first principles of mathematics natural sciences and engineering sciences
PO3	Design / development of solutions : Design solution for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural societal and environmental considerations
PO4	Conduct investigations of complex problems : Use research based knowledge and research methods including design of experiments analysis and interpretation of data and synthesis of the information to provide valid conclusions
PO5	Modern tool usage : Create select and apply appropriate techniques resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations
PO6	The engineer and society : Apply reasoning informed by the contextual knowledge to assess societal health safety legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice
PO7	Environment and sustainability : Understand the impact of the professionals engineering solution in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development
PO8	Ethics : Apply ethical principles and commit to professionals ethics and responsibilities and norms of the engineering practice
PO9	Individual and team work : Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings
PO10	Communication : communicate effectively on complex engineering activities with the engineering community and with society at large such as being able to comprehend and write effective reports and design documentation make effective presentations and give and receive clear instructions
PO11	Project management and finance : Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work as a member and leader in a team to manage projects and in multidisciplinary environments
PO12	Life long learning : Recognize the need for and have the preparation and ability to engage in independent and life long learning in the broadest context of technological change

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	understand analyse and demonstrate the knowledge of human cognition, AI ML in terms of real world problems
PSO2	Interpret PI & ML techniques for industrial application in areas of autonomous system IoT, cloud computing
PSO3	Develop computational knowledge and project develop skills using innovative tools and techniques to solve problem
PSO4	Provide solution to complex problem using the latest hardware and software tools along with analytical skill

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1	Expand knowledge in field of AI/ML
PEO2	Develop continuous learning attitude ethic & values
PEO3	Self educate and expand to innovative entrepreneurship
PEO4	Provide solutions for technical & social problems



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INTERNAL ASSESSMENT ANSWER BOOK

Branch : AGRICULTURE ENGINEERING.

Test	Date	Signature of the invigilator	Maximum Marks	Signature of the Student with Date	Signature of the Teacher with Date
			Marks Obtained		
I	02/01/2024	[Signature]	20	[Signature] 2/1/24	[Signature] 2-24
II	09/02/2024	[Signature]	20	[Signature] 9/2/24	[Signature] 12-24
III	11/03/2024	[Signature]	10	[Signature] 11/03/2024	[Signature] 16-24
Total Marks			50	50 = 50	
Average Marks			20		
Average of Assignment/ Quiz/Seminar etc			20		
Grand Total			99/100		
Marks in words			Fifty Seven Fifty		

Name

SANTHOSH .M

USN

4AL2IAG028

Sem. & Section

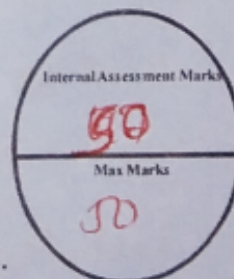
Vth Sem & 'A' Section

Course Name / Code

SOIL AND WATER CONSERVATION ENGINEERING / 2IAG54

Name of the Faculty

Dr. VINUTHA .M. BETAGERT



Signature of the Faculty

Signature of the HoD

VISION OF THE INSTITUTE

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VISION OF THE DEPARTMENT

To Serve the Country by producing high quality technocrats who can combine farming with engineering and technology interventions & contribute to global food security & sustainable growth in agriculture production.

MISSION OF THE DEPARTMENT

M1:- To impart knowledge by establishing an environment that is conducive to teaching and learning.

M2:- To Create agriculture engineers who are both, technically proficient and morally admirable in order to benefit society.

M3:- To develop and enhance novel technologies to address current and foreseeable issues in agriculture.

INTERNAL ASSESSMENT MARKS ENTRY

Q.No's		I.A -I			I.A -II			I.A -III		
		Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's
1	a	5	4.75	CO1	8	8	CO2	4	4	CO4
	b	4	4 4	CO1	4	4	CO2	4	4	CO4
	c	6	5.75	CO1	3	3	CO2			

OR

2	a									
	b									
	c									

3	a	5	4.75 5	CO2	5	5	CO3	3	3	CO5
	b							5	5	CO5
	c							4	4	CO5

OR

4	a									
	b									
	c									

TOTAL	20	19.25 20	---	20	20	---	20	20	---
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COURSE OUTCOMES

CO 1	Various basic terms related to Soil erosions, Rainfall - Run off relationships.
CO 2	Some of the basic Concepts related to Soil Conservation
CO 3	Simple terms related to Soil loss estimation Models
CO 4	Recognize importance of various Soil Conservation structures and their designs.
CO 5	understand the importance of hydro-metry
CO 6	

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PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	using knowledge of basic & eng sciences. identify challenges in agricultural eng. & design sustainable solutions.
PSO2	Embrace proper technology to pursue a successful professional career in agro industry, govt agencies, educational & research institutes.
PSO3	take the initiative in the growing field for the good of society. Adapt to a world of is creating technologies while maintaining professional ethics.
PSO4	

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1	To give students a theory education, so they can solve problems related to farmers & to pursue higher education.
PEO2	to equip graduates with the knowledge they need to function successfully in tractor food processing, irrigation & renewable energy sources
PEO3	To expose students to cutting edge technologies & inspire them to take on new challenges, to address theory research & skill development.
PEO4	



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INTERNAL ASSESSMENT ANSWER BOOK

Branch : Agriculture Engineering

Test	Date	Signature of the invigilator	Maximum Marks	Signature of the Student with Date	Signature of the Teacher with Date
			Marks Obtained		
I	2/1/2024	<u>Prajna</u>	19	<u>Prajna</u> 2/1/2024	<u>P</u> 3-1-24
II	10/2/2024	<u>SDS</u>	20	<u>Prajna</u> 10/2/2024	<u>P</u> 11-2-24
III	6/3/2024	<u>Pey 6/3/24</u>	22	<u>Prajna</u> 6/3/2024	<u>P</u> 11-3-24
IN	<u>Best of Three</u> Total Marks		41 \Rightarrow 15	<u>Fifty 50</u>	
Assignment	Average Marks		\Rightarrow 10		
Practical	Average of Assignment/ Quiz/Seminar etc		19 25		
Grand Total			50		
Marks in words			<u>Fifty</u>		

Name : Prajna Shree Jain

USN : HNL22AG013

Sem. & Section : IIIrd Sem

Course Name / Code : SMSL (BAG303)

Name of the Faculty : Dr. Vinuta M. Betageri



[Signature]
Signature of the Faculty

[Signature]
Signature of the HoD

PROGRAM OUTCOMES (POs)

PO1	Engineering Knowledge : Apply the knowledge of mathematics, science, Engineering fundamentals and an engineering specialization to the solution of complex engineering problems
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PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	<i>Using knowledge of basic and engineering sciences, identify challenges in agricultural engineering and design sustainable solutions</i>
PSO2	<i>Embrace proper technology, resources and modelling to pursue a successful professional career in the agro-industries</i>
PSO3	<i>Take the initiatives in the growth of Agricultural engineering and related business for the good of Society.</i>
PSO4	

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1	<i>To give students a thorough understanding of the principles of maths, Science & Agriculture engineering to solve the problems</i>
PEO2	<i>To equip graduates with the knowledge they need to be able to succeed successfully in the sector, food processing, irrigation.</i>
PEO3	<i>To expose students to cutting edge technology and inspire them to take on new challenges to address societal & national issues</i>
PEO4	

INTERNAL ASSESSMENT MARKS ENTRY

Q.No's		I.A -I			I.A -II			I.A -III		
		Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's
1	a							5	4+1	CO3
	b							5	4+1	CO3
	c							5	5	CO3

OR

2	a	6	5.5	CO1	10	8+1.5	CO2			
	b	6	5.5+ 0.5	CO1	5	5	CO2			
	c									

3	a				10	4+0.5	CO2	5	4+1	CO4
	b				5	3+2	CO2	5	5	CO4
	c									

OR

4	a	4	3.5	CO1						
	b	8	7.5	CO1						
	c	1	1	CO1						

TOTAL	25	19.0+	---	25	20+4.5	---	25	22+3	---
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COURSE OUTCOMES

CO 1	Acquire an understanding of the procedures to determine properties of any type of soil, classify the soil based on its index properties.
CO 2	Able to determine permeability property of soils and acquires conceptual knowledge about stresses due to seepage and effective stress.
CO 3	Able to estimate shear strength parameters to different types of soils using the data of different shear tests.
CO 4	Ability to solve practical problems related to bearing capacity.
CO 5	Possess a sound knowledge of fundamental principles of geodesy.
CO 6	Analyse the obtained spatial data and compute areas & volumes. Represent 3D on plane figures as contours.

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VISION OF THE DEPARTMENT

To serve the country by producing high caliber technocrats who can combine farming with engineering and technology interventions and contribute to global food security and sustainable growth of agriculture production.

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To impart knowledge by establishing an environment that is conducive to teaching and learning.

To create agriculture engineers who are both technically proficient and morally admirable in order to benefit society.

To develop and enhance novel technologies to address current and foreseeable issues in agriculture



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ALVA'S
Education Foundation

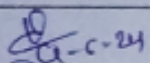
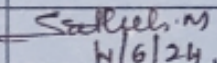
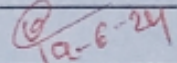
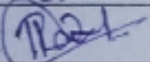
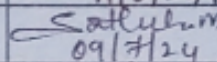
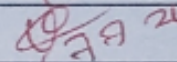
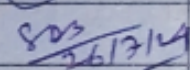
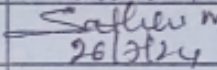
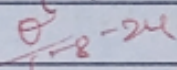
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INTERNAL ASSESSMENT ANSWER BOOK

Branch : AGRICULTURE ENGINEERING.

Test	Date	Signature of the invigilator	Maximum Marks	Signature of the Student with Date	Signature of the Faculty with Date
			Marks Obtained		
I	04/06/2024		18.5	 4/6/24	 4-6-24
II	09/07/2024		18.5	 09/7/24	 9-7-24
III	26/07/2024		18.5	 26/7/24	 26-8-24
Total Marks			55	50/50	
Average Marks			20		
Average of Assignment / Average Practical Marks (For IPCC Course)			20		
Grand Total			99.0/127 = 77.95%		
Marks in words			Fifty only		

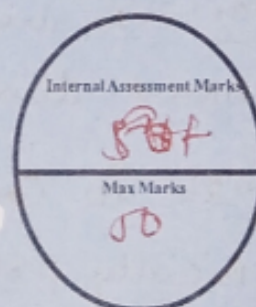
Name : SANTHOSH . M

USN : AAL2IAG028

Sem. & Section : VI A 'A' - Section

Course Name / Code : Waste land Development / 2IAG644

Name of the Faculty : Dr. VINUTA M BETAGERI.



Signature of the Faculty

Signature of the HoD

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INTERNAL ASSESSMENT MARKS ENTRY

Q.No's		I.A -I			I.A -II			I.A -III		
		Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's
1	a	5	4.5	1				5	4.5	3
	b	5	4.5	1				5	4.5	3
	c									

OR

2	a				3	3	1			
	b				4	3.5	1			
	c				3	3	1			

3	a	5	4.5	1				4	4	4
	b	5	3.5	1				4	3.5	4
	c							2	2	5

OR

4	a				5	4.5	2			
	b				5	4.5	2			
	c									

TOTAL		20	18	---	20	18.5	---	20	18.5	---
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COURSE OUTCOMES

CO 1	Impart knowledge on Concept and Causes of land degradation, assessment of land degradation and block land development.
CO 2	Study about socio-economic perspectives of wasteland development, government policies and participatory approach.
CO 3	Recognize importance of watershed.
CO 4	To understand the geomorphology of watershed and watershed management.
CO 5	Be proficient about the integrated watershed management practices.
CO 6	Formulation of project proposal for watershed management programme.

PROGRAM OUTCOMES (POs)

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PO12	Life long learning : Recognize the need for and have the preparation and ability to engage in independent and life long learning in the broadest context of technological change

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	using knowledge of basic & Eng Sciences, identify challenges in Ag & Design Sustainable Solutions.
PSO2	Establish proper tech. resources & modelling to pursue a successful professional career in agri industries, education & research institutions.
PSO3	Take the initiative in the growth of A.E. Adapt to a world of increasing technologies while maintaining professional ethics.
PSO4	

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1	To give students a thorough education of Principles of Matter Science & A.E. so they can solve problems related to Ag & Farmers.
PEO2	To equip graduates with the knowledge they need to function successfully in tractor food process & renewable energy fields.
PEO3	To expose students to cutting edge technologies & inspire them to take on new challenges to address societal & national issues through research
PEO4	entrepreneurship & Skill Development



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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


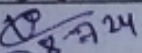
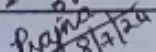
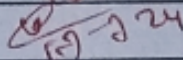
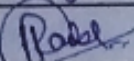
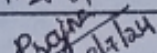
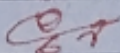
(Affiliated to VTU Belagavi, Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka)

(Accredited by NAAC with A+ Grade)

Shobhavana Campus, Mijar--574227, Moodbidri , D.K

INTERNAL ASSESSMENT ANSWER BOOK

Branch : *Agricultural Engineering*

Test	Date	Signature of the invigilator	Maximum Marks	Signature of the Student with Date	Signature of the Faculty with Date
			Marks Obtained		
I	3/6/2024		20+5	 3/6/24	 3/6/24
II	8/7/2024		20+5	 8/7/24	 8/7/24
III	29/7/2024		20+5	 29/7/24	
IA Total Marks			25	50/50	
Seminar/Viva Average Marks			15		
Average of Assignment / Average Practical Marks (For IPCC Course)			10		
Grand Total					
Marks in words					

Name

: Prajna Shree Jain

USN

: 4A122AGD13

Sem. & Section

: IVth Sem

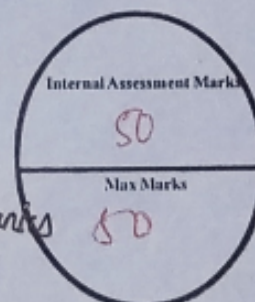
Course Name / Code

: Thermodynamics and Fluid Mechanics

Name of the Faculty

: Dr. Vinutha M. Betagasi

(BAG401)



[Signature]
Signature of the Faculty

Signature of the HoD

VISION OF THE INSTITUTE

Transformative education by pursuing excellence in Engineering and Management through enhancing skills to meet the evolving needs of the community

MISSION OF THE INSTITUTE

- * To bestow quality technical education to imbibe knowledge creativity and ethos to students community
- * To inculcate the best engineering practices through transformative education
- * To develop a knowledgeable individual for a dynamic industrial scenario
- * To inculcate research entrepreneurial skills and human values in order to cater the needs of the society

VISION OF THE DEPARTMENT

To serve the country by producing high caliber technocrats who can combine farming with engineering and technology interventions and contribute to global food security and sustainable growth in agricultural productions

MISSION OF THE DEPARTMENT

- M1: To impart knowledge by establishing an environment that is conducive to teaching and learning.
- M2: To create agricultural engineers who are both technically proficient and morally admirable.
- M3: To develop and enhance novel technologies to address current and foreseeable issues in agriculture

INTERNAL ASSESSMENT MARKS ENTRY

Q.No's		I.A -I			I.A -II			I.A -III		
		Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's
1	a									
	b									
	c									

OR

2	a	5	5	CO1	5	5	CO2	5	5	CO3
	b	5	5	CO1	5	5	CO2	5	5	CO3
	c	5	4.5	CO1	5	5	CO2	5	5	CO3

3	a									
	b									
	c									

OR

4	a	5	5	CO1	5	5	CO2	5	5	CO3
	b	5	5	CO1	5	5	CO2	5	5	CO3
	c									

TOTAL		25	24.5	---	25	25	---	25	25	---
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COURSE OUTCOMES

CO 1	Understand the basic principles of fluid mechanics and fluid kinematics.
CO 2	Acquire the basic knowledge of fluid dynamics and flow measuring instruments.
CO 3	Understand the nature of flow and flow over bodies and the dimensionless analysis.
CO 4	Acquire the compressible flow fundamental and basis of CFD packages and the need for CFD analysis.
CO 5	Conduct basic experiments of fluid mechanics and understand the experimental uncertainties.
CO 6	

PROGRAM OUTCOMES (POs)

PO1	Engineering Knowledge : Apply the knowledge of mathematics, science, Engineering fundamentals and an engineering specialization to the solution of complex engineering problems
PO2	Problem analysis : Identify formulate review research literature and analyze complex engineering problems reaching substantiated conclusion using first principles of mathematics natural sciences and engineering sciences
PO3	Design / development of solutions : Design solution for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural societal and environmental considerations
PO4	Conduct investigations of complex problems : Use research based knowledge and research methods including design of experiments analysis and interpretation of data and synthesis of the information to provide valid conclusions
PO5	Modern tool usage : Create select and apply appropriate techniques resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations
PO6	The engineer and society : Apply reasoning informed by the contextual knowledge to assess societal health safety legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice
PO7	Environment and sustainability : Understand the impact of the professionals engineering solution in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development
PO8	Ethics : Apply ethical principles and commit to professionals ethics and responsibilities and norms of the engineering practice
PO9	Individual and team work : Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings
PO10	Communication : communicate effectively on complex engineering activities with the engineering community and with society at large such as being able to comprehend and write effective reports and design documentation make effective presentations and give and receive clear instructions
PO11	Project management and finance : Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work as a member and leader in a team to manage projects and in multidisciplinary environments
PO12	Life long learning : Recognize the need for and have the preparation and ability to engage in independent and life long learning in the broadest context of technological change

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	Using knowledge of basic and engineering sciences, identify the challenges in agricultural engineering and design sustainable solutions.
PSO2	Embrace proper technologies, resources and modelling to pursue a successful professional career in the agro-industries.
PSO3	Take the initiative in growth of agricultural engineering and related businesses for the good of society.
PSO4	

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1	To give students a thorough understanding of the principles of mathematics, science and agricultural engg. so they can solve problems.
PEO2	To equip graduates with the knowledge they need to function successfully in the sector, food processing.
PEO3	To expose students to cutting edge technology and inspire them to take on a new challenges to address societal issues through research, entrepreneurship and skill development.
PEO4	



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INTERNAL ASSESSMENT ANSWER BOOK

Branch : computer Science and Engineering.

Test	Date	Signature of the invigilator	Maximum Marks	Signature of the Student with Date	Signature of the Teacher with Date
			Marks Obtained		
I	01/01/24		16	 01/01/24	 01/01/24
II	08/02/24		18	 02/02/24	 02/02/24
III	11/03/24		17	 11/03/24	 11/03/24
Total Marks			51		
lab Average Marks			19		
Average of Assignment/ Quiz/Seminar etc			20		
Grand Total			45		
Marks in words			FORTY FIVE		

Name : SANTHOSH
USN : APLDICS131
Sem. & Section : 5th & C
Course Name / Code : Computer Network / DICS52
Name of the Faculty : Dr. Aslam B Mandya



Signature of the Faculty

Signature of the HoD

VISION OF THE INSTITUTE

Transformative education by pursuing excellence in Engineering and Management through enhancing skills to meet the evolving needs of the community

MISSION OF THE INSTITUTE

- To bestow quality technical education to imbibe knowledge creativity and ethos to students community
- To inculcate the best engineering practices through transformative education
- To develop a knowledgeable individual for a dynamic industrial scenario
- To inculcate research entrepreneurial skills and human values in order to cater the needs of the society

VISION OF THE DEPARTMENT

"Engendering competent, excellent professional by transforming the knowledge and computing skills to individuals through modern innovation tools & techniques."

MISSION OF THE DEPARTMENT

- To produce skilled creative software developers through rigorous training
- To conduct specific technical courses to keep abreast to the latest technological development & transformation
- To implement the ideas of research & innovations for interdisciplinary domains
- To establish Industry Institute Interaction program to enhance the skills of employability & entrepreneurship.

INTERNAL ASSESSMENT MARKS ENTRY

Q.No's		I.A -I			I.A -II			I.A -III		
		Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's
1	a	5	3	CO1	10	10	2	5	4	3
	b	5	5	CO1				5	4	3
	c									

OR

2	a	5		CO1	10	—				
	b	5		CO1						
	c									

3	a	5	4	CO1	10	—		5	5	4
	b	5	4	CO1				5	4	4
	c									

OR

4	a	5		CO1	10	08	5			
	b	5		CO1						
	c									

TOTAL		20	16	---	20	18	---	20	17	---
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COURSE OUTCOMES

CO 1	Assess the concept of data communication at physical layer and compare ISO-OSI model with TCP/IP model.
CO 2	Explore different design issues at the data link layer and ways to tackle the channel allocation problem.
CO 3	Design the network considering the various design issues, routing algorithms, congestion control algorithms.
CO 4	Analyze transport layer protocols and congestion control protocols at the transport layer.
CO 5	Explore protocols at the application layer such as HTTP, SMTP, DNS, etc.
CO 6	

PROGRAM OUTCOMES (POs)	
PO1	Engineering Knowledge : Apply the knowledge of mathematics, science, Engineering fundamentals and an engineering specialization to the solution of complex engineering problems
PO2	Problem analysis : Identify formulate review research literature and analyze complex engineering problems reaching substantiated conclusion using first principles of mathematics natural sciences and engineering sciences
PO3	Design / development of solutions : Design solution for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural societal and environmental considerations
PO4	Conduct investigations of complex problems : Use research based knowledge and research methods including design of experiments analysis and interpretation of data and synthesis of the information to provide valid conclusions
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PO11	Project management and finance : Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work as a member and leader in a team to manage projects and in multidisciplinary environments
PO12	Life-long learning : Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change
PROGRAM SPECIFIC OUTCOMES (PSOs)	
PSO1	The ability to understand & implement the computer programs & database management system with design, maintenance.
PSO2	The ability to solve real-world problems by discrete mathematical model using area of computer technology.
PSO3	Knowledge in these area of computer engineering program candidate the following skills for successful careers.
PSO4	
PROGRAM EDUCATIONAL OBJECTIVES (PEOs)	
PEO1	Exhibit fundamental strong skills course of computer engineering to solve the problems of computer world.
PEO2	Adapt and contribute towards the changing technological change.
PEO3	Employed the computer profession engaged to the pure higher studies.
PEO4	



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INTERNAL ASSESSMENT ANSWER BOOK

Branch : Computer Science and Engineering

Test	Date	Signature of the invigilator	Maximum Marks	Signature of the Student with Date	Signature of the Teacher with Date
			Marks Obtained		
I	11/01/2024		20	Veda Chavara 11/24	
II	08/02/24		20	Veda Chavara	
III	11/03/24		19	Veda Chavara	
Total Marks			59		
Lab Average Marks			20		
Average of Assignment/Quiz/Seminar etc			20		
Grand Total			50/50		
Marks in words FIFTY ONLY					

Name

Veda Ishwar Chavara

USN

4AL2ICS171

Sem. & Section

Vth SEM 'C'

Course Name / Code

Computer Network [2ICS52]

Name of the Faculty

Dr. Islam Nandyal



Signature of the Faculty

Signature of the HoD

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- M2: To conduct specific technical courses to keep abreast to latest technologies
- M3: To establish Industry-Institute Interaction programs.
- M4: To implement the ideas of research and innovations in interdisciplinary domains.

INTERNAL ASSESSMENT MARKS ENTRY

Q.No's		I.A -I			I.A -II			I.A -III		
		Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's	Max Marks	Marks obtained	Co's
1	a	5	5	1	10	10	2	5	5	3
	b	5	5	1				5	5	3
	c									

OR

2	a									
	b									
	c									

3	a	5	5	1	10	10	5	5	4	4
	b	5	5	1				5	5	4
	c									

OR

4	a									
	b									
	c									

TOTAL	20	20	---	20	20	---	20	19	---
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COURSE OUTCOMES

CO 1	Fundamentals of data communication network
CO 2	Compare ISO-OSI model with TCP/IP Model
CO 3	Software and hardware interfaces Explore Difference design issues of the data
CO 4	Application of various physical components and protocols. Porties algon and Congestion
CO 5	Communication challenges and remedies in the networks
CO 6	Explore protocol at the application layer such as HTTP, SMTP, DNS, etc

PROGRAM OUTCOMES (POs)

PO1	Engineering Knowledge : Apply the knowledge of mathematics, science, Engineering fundamentals and an engineering specialization to the solution of complex engineering problems
PO2	Problem analysis : Identify formulate review research literature and analyze complex engineering problems reaching substantiated conclusion using first principles of mathematics natural sciences and engineering sciences
PO3	Design / development of solutions : Design solution for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural societal and environmental considerations
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PO12	Life long learning : Recognize the need for and have the preparation and ability to engage in independent and life long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	Professional skills: The ability to understand & implement the computer programs.
PSO2	Problem-solving skills: The ability to solve real world
PSO3	Successful career and Entrepreneurship: Knowledge in diverse.
PSO4	

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1	Exhibit the Knowledge and skills to adapt to the dynamic
PEO2	Get adapted to a co-operate working environment
PEO3	Get engaged in an Innovative task to exploit.
PEO4	