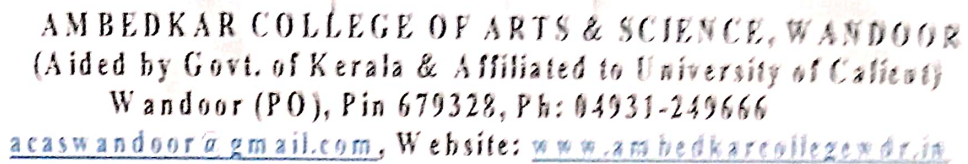




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COURSE PLAN										
Course code and title	CSC2FM106- DIGITAL EMPOWERMENT THROUGH ETHICAL STANDARDS									
Class	BSC COMPUTER SCIENCE	Semester	TWO							
Regulation	2024	Academic year	2024-25							
Course prerequisites	Basic understanding of computers									
Course objectives	- This course explores the evolution from pre-digital challenges to the current digital landscape, covering historical milestones, key technologies, and the vision of Digital India. - It emphasizes the benefits and importance of digital revolution while addressing ethical and security considerations. - Participants engage with digital tools for personal and professional growth and examine case studies on digital infrastructure, missions, and services to understand real-world applications.									
COURSE OUTCOMES										
At the end of the course the student would be able to...										
CO1	Students will be able to analyze the challenges of the pre-digital age and comprehend the importance and benefits of digital revolution, facilitating a deeper understanding of technological evolution									
CO2	Participants will gain familiarity with key digital technologies like Cloud Computing, IoT, AI, and Block chain, equipping them with the knowledge to identify their applications and potential benefits in different sectors.									
CO3	Students will develop insights into Digital India initiatives and emergence of Kerala as Digital Society									
CO4	Through exploration of digital tools for personal and professional growth, students will enhance their digital literacy and ability in utilizing tools for data sharing, online learning, networking, and content creation, empowering them to thrive in the digital age.									
CO5	Learners will become aware of ethical and security considerations in the digital age, including privacy concerns, Intellectual Property Rights, key terminologies related to cyber security, and an introduction to cyber laws in India, fostering responsible digital citizenship.									
CO6	Students will analyze real-world case studies of digital infrastructure projects, digital missions, and digital services to demonstrate a comprehensive understanding of the practical applications and implications of digital technologies in various contexts, fostering critical thinking and strategic decision making skills in digital transformation initiatives.									
MAPPING OF PROGRAM OUTCOMES										
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10

[illegible]



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PSO6	Adapt to emerging trends and tackle the challenges in the software field.
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MAPPING OF COURSE OUTCOMES TO PROGRAM EDUCATIONAL OUTCOMES						
PROGRAM EDUCATIONAL OUTCOMES	COURSE OUTCOMES					
	CO1	CO2	CO3	CO4	CO5	CO6
PEO1: Development of Leadership Qualities. Graduates will demonstrate Leadership qualities by utilizing their full intellectual potential, engaging with their communities, and contributing to the social, cultural, and economic development of society.		✓	✓	✓	✓	✓
PEO2: Lifelong Learning and Societal Contribution. Graduates will be equipped with core values and intellectual capabilities enabling them to pursue lifelong learning and meaningfully contribute to societal well-being through innovative thinking and service.		✓	✓	✓	✓	✓
PEO3: Entrepreneurial and Global Competence. Graduates will possess entrepreneurial skills and a global perspective, promoting sustainable national growth through ethical leadership, innovative ventures, and responsible citizenship.		✓	✓		✓	✓

REFERENCES:

1. "Digital India Importance Needs and Values" by S K Kaushal
2. "Cyber Security in India: Government, Law Enforcement and Corporate Sector" by Vipin M. Chaturvedi and Shivani Kapoor
3. "Information Security: Principles and Practices in Indian Context" by R.S. Pressman, G. Sharma, and G. Sridhar
4. "Introduction to Computer Security" by Michael Goodrich and Roberto Tamassia

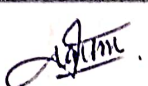
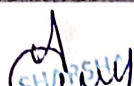
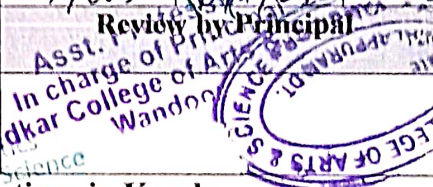
e-learning resources	https://kdisc.kerala.gov.in/ https://itmission.kerala.gov.in/
Mode of Evaluation	Internal Examination (30%) End Semester Examination (70%)
Faculty	Jasmine MT, Assistant Professor/ Department of Computer Science
e-mail id	Jasminefasil123@gmail.com



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COURSE PLAN

CSC2FM106- DIGITAL EMPOWERMENT THROUGH ETHICAL STANDARDS

No of lecture hours	Planned Date	Topics to be covered			Reference/ Teaching aids and methods	Actual date	Week ly review
MODULE I - Transition to Digital World							
1	13-12-2024	Challenges of Pre-Digital Age			T/WB	13/12/24	
2	16-12-2024	Importance of Digital Revolution			T/WB	16/12/24	
3	17-12-2024	Benefits of Digital Revolution			T/WB	16/12/24	
4	30-12-2024	Key concepts: digitization, digitalization, digital transformation			T/WB	17/12/24	
5	31-12-2024	Introduction to Key Digital Technologies			T/WB	31/12/24	
6	03-01-2025	Cloud Computing, IoT			T/WB	01/1/25	
7	06-01-2025	AI, Block Chain			T/WB	01/1/25	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		
7	6	1/1/25					
MODULE II - Perspective of Digital India & Digital Innovations in Kerala							
8	07-01-2025	Understanding Digital India: Concept, Objectives, and Evolution			PPT/T	10/1/25	
9	10-01-2025	Overview of Digital Infrastructure, Broadband Connectivity			PPT/T	20/1/25	
10	13-01-2025	Digital Literacy, and Access to Information			PPT/T	21/1/25	
11	14-01-2025	Vision of Digital India			PPT/T	21/1/25	
12	17-01-2025	DigiLocker, E-Hospitals			PPT/T	24/1/25	
13	20-01-2025	e-Pathshala, BHIM, e-Health Campaigns			PPT/T	24/1/25	
14	21-01-2025	Kerala-Emergence as Digital Society : Internet & Mobile Penetration in Kerala, 4 Pillars of Digital Emergence in Kerala			PPT/T	28/1/25	
15	24-01-2025	Akshaya Project, IT@School Project, Digital Infrastructure Availability, State Data Centre & allied Applications			PPT/T	31/1/25	
16	27-01-2025	Role of K-DISC in Digital			PPT/T	3/2/25	



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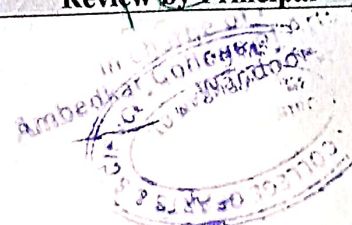
17	28-01-2025	Empowerment Kerala State IT Mission, Core IT Infrastructure,			PPT/T	4/2/25	
18	31-01-2025	e-Governance Applications, Service Delivery Platforms			PPT/T	4/2/25	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		
11	9	4/2/25					

MODULE III - Digital Tools for Personal and Professional Growth

19	03-02-2025	Digital Tools for Data Sharing			NA/PPT	7/2/25	
20	04-02-2025	Google Drive			PPT	7/2/25	
21	07-02-2025	Google Sheets			PPT	10/2/25	
22	10-02-2025	Google Docs			PPT	10/2/25	
23	11-02-2025	Google Classroom			PPT/T	11/2/25	
24	14-02-2025	Online learning platforms and resources, Coursera			PPT/T	14/2/25	
25	17-02-2025	Khan Academy, MOOCs, Duolingo			PPT/T	14/2/25	
26	18-02-2025	Networking Tools: LinkedIn			PPT/T	17/2/25	
27	21-02-2025	Content Creation and Management: Canva			PPT/T	18/2/25	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		
9	6	18/2/25					

MODULE IV - Ethical and Security Considerations in the Digital Age

28	24-02-2025	Understanding privacy in the digital age			WS/PPT	24/2/25	
29	25-02-2025	Legal and ethical considerations in data collection and processing			WS/T	24/2/25	
30	28-02-2025	Intellectual Property Rights (IPR)			WS/T	24/2/25	
31	03-03-2025	Key Terminologies, Cyber Security, Cyber Crime			WS/T	28/2/25	
32	04-03-2025	Cyber Attack, Cyber Espionage, Cyber Warfare			WS/T	28/2/25	
33	07-03-2025	Authentication, Authorisation			WS/T	28/2/25	
34	10-03-2025	Cyber Crimes and Classification			WS/T	28/2/25	
35	11-03-2025	Cyber Crimes and Classification			WS/T	3/3/25	
36	14-03-2025	Introduction to Cyber Laws in India			WS/T	4/3/25	
Planned	Actual	Date	Sign of	Review by	Review by Principal		





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hours	hours		Faculty	HoD		
9	6	4/3/25	<i>[Signature]</i>	<i>[Signature]</i>		
MODULE V - Open Ended Module: Case Study (One from each set)						
37	17-03-2025 To 28-03-2025	Case Study on Digital Infrastructure Projects: Google Data Center				
38		Case Study on Digital Mission: Digital Literacy Missions in Kerala				
39		Case Study on Digital Services: Digital Payment Services				
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal	
9					<i>[Signature]</i>	

FACULTY

[Signature]

HOD

[Signature]
SHARSHAD AMEER A.U.
Asst. Professor & Head
Department of Mathematics
Ambedkar College of Arts & Science
Wandoor, Malappuram DL.

PRINCIPAL

[Signature]
AMBEDKAR COLLEGE OF ARTS & SCIENCE
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KERALA



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Course outcome –Program outcome Mapping Table

CSC2FM106- DIGITAL EMPOWERMENT THROUGH ETHICAL STANDARDS	Cognitiv e level	Program outcomes									
		1- Low Correlation 2- Moderate Correlation 3- High correlation									
		P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10
DIRECT METHOD											
CO1	Rememb er	2			1	1			1		
CO2	Apply	3		3	2	3		1	2		
CO3	Apply & Analyze	2			2		1		2	1	
CO4	Create	1		1	2	2		1	1		
CO5	Innovate	1			2	1	2		1	1	
CO6		1			3	1		1	1		
INDIRECT METHOD											
Class Room contests	Analyze & Create	3		3	1	1	1	1	1		

Course Faculty

IQAC Member



HoD

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COURSE PRE-ANALYSIS

Dear Students,

Welcome back to class, I would like to thank all of you for sparing your time in filling up this Course Pre-Analysis survey for the effective conduct of Computer Aided Design and Manufacturing Course. As you know that this survey is meant for knowing the knowledge level of the students with respect to this course, please fill it very carefully. At this juncture, I am glad to welcome the suggestions from you all (if any).

Rate your prior knowledge about the topics mentioned below

Course Outcomes	Description	Rate your prior knowledge about the topics			
		Excellent (4)	Good (3)	Moderate (2)	Fair (1)
CO1	Students will be able to analyze the challenges of the pre-digital age and comprehend the importance and benefits of digital revolution, facilitating a deeper understanding of technological evolution				✓
CO2	Participants will gain familiarity with key digital technologies like Cloud Computing, IoT, AI, and Block chain, equipping them with the knowledge to identify their applications and potential benefits in different sectors.				✓
CO3	Students will develop insights into Digital India initiatives and emergence of Kerala as Digital Society				✓
CO4	Through exploration of digital tools for personal and professional growth, students will enhance their digital literacy and ability in utilizing tools for data sharing, online learning, networking, and content creation, empowering them to thrive in the digital age.				✓
CO5	Learners will become aware of ethical and security considerations in the digital age, including privacy concerns, Intellectual Property Rights, key terminologies related to cyber security, and an introduction to cyber laws in India, fostering responsible digital citizenship.				✓
CO6	Students will analyze real-world case studies of digital infrastructure projects, digital missions, and digital services to demonstrate a comprehensive understanding of the practical applications and implications of digital technologies in various contexts, fostering critical thinking and strategic decision making skills in digital transformation initiatives.				✓

Name of the student:

Anusree. CT

Signature of the student

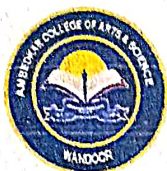
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Syllabus

Module	Unit	Content	Hrs (36+9)	Marks (50)
I	Transition to Digital World		7	8
	1	Challenges of Pre-Digital Age	1	
	2	Importance and Benefits of Digital Revolution	2	
	3	Key concepts: digitization, digitalization, digital transformation	1	
	4	Introduction to Key Digital Technologies: Cloud Computing, IoT, AI, Block Chain	3	
II	Perspective of Digital India & Digital Innovations in Kerala		11	15
	5	Understanding Digital India: Concept, Objectives, and Evolution	1	
	6	Overview of Digital Infrastructure: Broadband Connectivity, Digital Literacy, and Access to Information	2	
	7	Vision of Digital India: DigiLocker, E-Hospitals, e-Pathshala, BHIM, , e-Health Campaigns	3	
	8	Kerala-Emergence as Digital Society : Internet & Mobile Penetration in Kerala, 4 Pillars of Digital Emergence in Kerala (Akshaya Project, IT@School Project, Digital Infrastructure Availability, State Data Centre & allied Applications),	2	
	9	Role of K-DISC in Digital Empowerment	1	
	10	Kerala State IT Mission: Core IT Infrastructure, e-Governance Applications, Service Delivery Platforms,	2	
	Digital Tools for Personal and Professional Growth		9	12



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III	11	Digital Tools for Data Sharing: Google Drive, Google Sheets	2	
	12	Digital Tools for Data Sharing: Google Docs, Google Classroom	3	
	13	Online learning platforms and resources (e.g., Coursera, Khan Academy, MOOCs, Duolingo)	2	
	14	Networking Tools: LinkedIn	1	
	15	Content Creation and Management: Canva	1	
	Ethical and Security Considerations in the Digital Age		9	15
IV	16	Understanding privacy in the digital age	1	
	17	Legal and ethical considerations in data collection and processing: Intellectual Property Rights (IPR)	2	
	18	Key Terminologies: Cyber Security, Cyber Crime, Cyber Attack, Cyber Espionage, Cyber Warfare	2	
	19	Authentication, Authorisation	1	
	20	Cyber Crimes and Classification	2	
	21	Introduction to Cyber Laws in India	1	
	Open Ended Module: Case Study (One from each set)		9	
V	Case Study on Digital Infrastructure Projects: (Bharat Broadband Network (BBNL) , Submarine Cable Project, Google Data Center)		3	
	Case Study on Digital Mission: (Digital Literacy Missions in Kerala, SmartDubai Project, China's Digital Silk Road)		3	



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Case Study on Digital Services:
(MyGov.in , Moodle LMS, Digital Payment Services)

3

References

1. "Digital India Importance Needs and Values" by S K Kaushal
2. "Cyber Security in India: Government, Law Enforcement and Corporate Sector" by Vipin M. Chaturvedi and Shivani Kapoor
3. "Information Security: Principles and Practices in Indian Context" by R.S. Pressman, G. Sharma, and G. Sridhar
4. "Introduction to Computer Security" by Michael Goodrich and Roberto Tamassia
5. <https://kdisc.kerala.gov.in/>
6. <https://itmission.kerala.gov.in/>

HOD


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Course outcome –Program Specific outcome Mapping Table

Course outcomes	Program Specific outcomes					
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1			✓		✓	✓
CO2					✓	✓
CO3					✓	✓
CO4			✓		✓	✓
CO5					✓	✓
CO6			✓		✓	

Course Faculty

IQAC Member



HoD

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DIRECT ASSESSMENT OF COURSE OUTCOMES

INTERNAL ASSESSMENT TEST 25 MARKS				
Objective	To Identify What Students Have Learned and also to identify students strength and weakness			
To file	Answer scripts	Frequency	1 time in a semester on dates specified by University	
Format	.			
Evaluation	Based on answer given in the scripts			
ASSIGNMENT: 5 MARKS				
Objective	To enhance students understanding of a complex structural problems			
Product	Hand written assignment sheets			
Frequency	Semester			
Format	-			
Evaluation	Based on rubrics			
Criteria	No. of assignments: 1, Submit on or before the date of submission			
END SEMESTER EXAMINATION 100 MARKS (Reduced to 50 Marks)				
Objective	To assess the each student's knowledge of the course			
Product	Result analysis			
Frequency	Semester			
Format	Part -A 10 x 2 =16 marks, Part -B 5 x 6 = 24 marks, 1 x 10 = 10 marks Total marks = 50, Duration : 1.5hours			
Evaluation	Based on answer given in the scripts			
Marks out of 100	30-50	50- 70	71-100	0-50
Levels of attainment	1	2	3	Counseling / Coaching classes.



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COURSE EXIT SURVEY

Dear Students,

We are seeking valuable feedback from you, to improve upon the course contents, coverage, methods of instruction and teaching learning methods of the course you have learned for the semester; kindly rate the process of delivering the syllabus from 1 – 5 scale (5 Excellent, 4-Very good, 3-Good 2-Average, 1-Below average)

Name		Anuska . CT		Reg No		Ufa Y Sm T004	
Course Code		CSC2FM106	Name of Course		DIGITAL EMPOWERMENT THROUGH ETHICAL STANDARDS		
Dept		COMPUTER SCIENCE	Semester		II	Date 4-3-25	
Sl No	Questioners			1	2	3	4
1.	Quality of the Course content						✓
2.	Suitability of Contents beyond syllabus topics						✓
3.	Relevance of the text& Reference books suggested						✓
4.	Support of Library for the Course contents					✓	
5.	Course delivery methods by teacher					✓	
6.	Use of ICT tools in class					✓	
7.	Relevance of Syllabus topics for your placement					✓	
8.	Usefulness of the topics for life						✓
9.	Content stimulates intellectually						✓
10.	Fairness of the internal evaluation system						✓
11.	Assignments, competitive evaluation methods						✓
12.	Topics covered supported by online resources & LMS						✓
I am able to achieve the following (Relating to Course outcomes)							
CO1	Students will be able to analyze the challenges of the pre-digital age and comprehend the importance and benefits of digital revolution, facilitating a deeper understanding of technological evolution						✓
CO2	Participants will gain familiarity with key digital technologies like Cloud Computing, IoT, AI, and Block chain, equipping them with the knowledge to identify their applications and potential benefits in different sectors.					✓	

Signature of the Student

Anuska

Class Advisor

Sharshad

HoD

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Wandoor, Malappuram Dt.

CO3	Students will develop insights into Digital India initiatives and emergence of Kerala as Digital Society			✓		
CO4	Through exploration of digital tools for personal and professional growth, students will enhance their digital literacy and ability in utilizing tools for data sharing, online learning, networking, and content creation, empowering them to thrive in the digital age.			✓		
CO5	Learners will become aware of ethical and security considerations in the digital age, including privacy concerns, Intellectual Property Rights, key terminologies related to cyber security, and an introduction to cyber laws in India, fostering responsible digital citizenship.			✓		
CO6	Students will analyze real-world case studies of digital infrastructure projects, digital missions, and digital services to demonstrate a comprehensive understanding of the practical applications and implications of digital technologies in various contexts, fostering critical thinking and strategic decision making skills in digital transformation initiatives.			✓		
Suggestions for						
Inclusions			Deletion of topics			

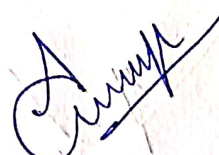
Signature of the Student



Class Advisor



HoD


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Attainment Levels of COs

Course Name: CSC2FM106-DIGITAL EMPOWERMENT THROUGH ETHICAL STANDARDS			
Assessment Methods	Target-Attainment Levels		Attainment
Internal Assessment	Level 1	50% of students scoring more than 35% marks in internal assessment tools	LEVEL 03
	Level 2	60% of students scoring more than 35% marks in internal assessment tools	
	Level 3	70% of students scoring more than 35% marks in internal assessment tools	
Assessment Methods	Target-Attainment Levels		Attainment
University Assessment	Level 1	50% of students scoring more than 35% marks in UE assessment tools	LEVEL 03
	Level 2	60% of students scoring more than 35% marks in UE assessment tools	
	Level 3	70% of students scoring more than 35% marks in UE assessment tools	



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DEPARTMENT OF MATHEMATICS

CO ATTAINMENT - IA TEST MARKS (ODD SEM. 2024-2025)

Semester: II

**Course: CSC2FM106-DIGITAL EMPOWERMENT THROUGH
ETHICAL STANDARDS**

Name of the faculty member: JASMINE MT

Sl. No.	Name of the student	REG NO	IA TEST	COURSE OUTCOMES	
			Q1 TO Q14	IA TEST	
			CO1 TO CO6	CO1 TO CO6	
Max. Marks			25	%age	Y/N
1	ADITHYA U	UFAYSMT001	19	76	Y
2	ANUSREE C T	UFAYSMT004	15	60	Y
3	AYISHA NAHRIN CP	UFAYSMT005	25	100	Y
4	FIDA MK	UFAYSMT007	17	68	Y
5	HIBA K T	UFAYSMT008	6	24	N
6	MAJIDA SHERIN K K	UFAYSMT010	15	60	Y
7	MUHAMMED FAHIZ T P	UFAYSMT012	19	76	Y
8	NAJA NASRIN . P	UFAYSMT014	6	24	N
9	RABIYATHUL ADHBIYYA	UFAYSMT016	15	60	Y
10	RIFANA K	UFAYSMT017	8	32	N
11	RIHANA K	UFAYSMT018	6	24	N
12	SHAHANA T P	UFAYSMT019	19	76	Y
13	SHIBIYA JEBIN T H	UFAYSMT020	19	76	Y
14	ANSHA P	UFAYBCM006	25	100	Y
15	ASHIFA . P	UFAYBCM010	25	100	Y
16	ASHIQA. P	UFAYBCM012	21	84	Y
17	DEVITHEERTHA P K	UFAYBCM017	21	84	Y
18	FATHIMA DIYA P	UFAYBCM019	25	100	Y
19	FATHIMA RINFA.C	UFAYBCM021	25	100	Y
20	FATHIMA RISHANA	UFAYBCM022	25	100	Y
21	FATHIMA SHAHANA P K	UFAYBCM023	21	84	Y
22	HENNA. K	UFAYBCM024	25	100	Y
23	JISMI . K	UFAYBCM027	19	76	Y
24	MUHAMMED SHAHEEN P	UFAYBCM035	25	100	Y



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25	NAJA RAHMA V P	UFAYBCM037	23	92	Y
26	RANHA P	UFAYBCM042	25	100	Y
27	SAHALA . K	UFAYBCM044	17	68	Y
28	SAHANA . K	UFAYBCM045	17	68	Y
29	SREENATH P	UFAYBCM057	25	100	Y
30	FATHIMA HIBA K	UFAYAEG020	10	40	Y
31	HESNA NAZRIN. K. P	UFAYAEG028	19	76	Y
32	DIYA VP	UFAYAEC014	6	24	N
				27	
				84.38	
			FOR LAL (CSC2FM106)		
			CO1 to CO6		
TARGET: 50% OF STUDENTS WILL SCORE 35% OF MARKS			84.4		



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CO ATTAINMENT - ASSIGNMENT(ODD SEM. 2024-2025)

Semester: II Course: CSC2FM106-DIGITAL EMPOWERMENT THROUGH ETHICAL STANDARDS

Name of the faculty member: JASMINE MT

Sl. No.	Name of the student	REG NO	ASSIGNMENT	VIVA	COURSE OUTCOMES		
					CO1 - CO6	CO1 - CO6	CO1 - CO6
		Max. Marks	CO1 to CO6	CO1 to CO6	%age	Y/N	%age
1	ADITHYA U	UFAYSMT001	5	8	100	Y	100
2	ANUSREE C T	UFAYSMT004	5	7	100	Y	87.5
3	AYISHA NAHRIN CP	UFAYSMT005	5	8	100	Y	100
4	FIDA MK	UFAYSMT007	5	8	100	Y	100
5	HIBA K T	UFAYSMT008	5	6	100	Y	75
6	MAJIDA SHERIN K K	UFAYSMT010	5	7	100	Y	87.5
7	MUHAMMED FAHIZ T P	UFAYSMT012	5	8	100	Y	100
8	NAJA NASRIN . P	UFAYSMT014	5	7	100	Y	87.5
9	RABIYATHUL ADHBIYYA	UFAYSMT016	5	0	100	Y	0
10	RIFANA K	UFAYSMT017	5	0	100	Y	0
11	RIHANA K	UFAYSMT018	5	0	100	Y	0
12	SHAHANA T P	UFAYSMT019	5	7	100	Y	87.5
13	SHIBIYA JEBIN T H	UFAYSMT020	5	8	100	Y	100
14	ANSHA P	UFAYBCM006	5	8	100	Y	100
15	ASHIFA . P	UFAYBCM010	5	8	100	Y	100
16	ASHIQA . P	UFAYBCM012	5	7	100	Y	87.5

17	DEVITHEERTHA P K	UFAYBCM017	5	8	100	Y	100	Y
18	FATHIMA DIYA P	UFAYBCM019	5	8	100	Y	100	Y
19	FATHIMA RINFA.C	UFAYBCM021	5	8	100	Y	100	Y
20	FATHIMA RISHANA	UFAYBCM022	5	7	100	Y	87.5	Y
21	FATHIMA SHAHANA P K	UFAYBCM023	5	8	100	Y	100	Y
22	HENNA. K	UFAYBCM024	5	8	100	Y	100	Y
23	JISMI. K	UFAYBCM027	5	8	100	Y	100	Y
24	MUHAMMED SHAHEEN P	UFAYBCM035	5	8	100	Y	100	Y
25	NAJA RAHMA V P	UFAYBCM037	5	8	100	Y	100	Y
26	RANHA P	UFAYBCM042	5	8	100	Y	100	Y
27	SAHALA. K	UFAYBCM044	5	8	100	Y	100	Y
28	SAHANA. K	UFAYBCM045	5	8	100	Y	100	Y
29	SREENATH P	UFAYBCM057	5	8	100	Y	100	Y
30	FATHIMA HIBA K	UFAYAEG020	5	7	100	Y	87.5	Y
31	HESNA NAZRIN. K. P	UFAYAEG028	5	8	100	Y	100	Y
32	DIYA VP	UFAYAEC014	5	6	100	Y	75	Y
					32		29	
					100.00		90.63	

FOR LAL (CSC2FM106)	CO1 TO 6	CO1 TO 6
	100.00	90.63

TARGET: 1) 90% OF STUDENTS WILL SCORE 35% OF MARKS IN
ASSIGNMENT



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DIRECT ASSESSMENT METHOD - CO ATTAINMENT (EVEN SEM . 2024-2025)

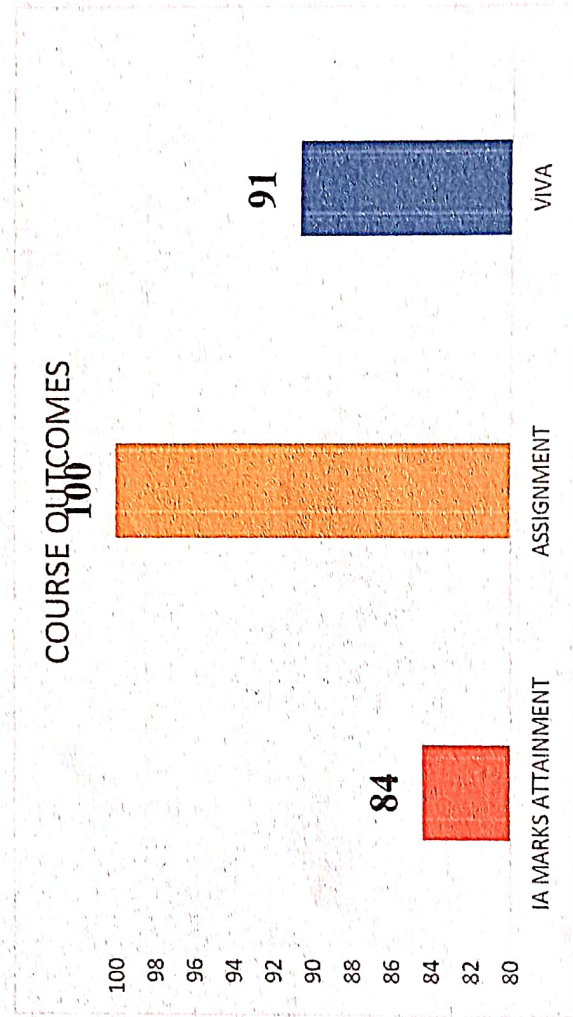
Semester: II

Course: CSC2FM106-DIGITAL EMPOWERMENT
THROUGH ETHICAL STANDARDS

Name of the faculty member: JASMINE MT

TARGET: 60% ATTAINMENT

COs	CO1 to CO6
IA MARKS ATTAINMENT	84
ASSIGNMENT	100
VIVA	91
AVERAGE	92





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DEPARTMENT OF MATHEMATICS

COURSE EXIT SURVEY RESPONSES (EVEN SEM. 2023-2024)

Course: CSC2FM106-DIGITAL EMPOWERMENT THROUGH ETHICAL STANDARDS

Semester: II

Name of the faculty member: JASHNINE MT

Sl. No.	NAME OF THE STUDENT	REG NO	Are you able to analyze the challenges of the pre-digital age and comprehend the importance and benefits of digital revolution, facilitating a deeper understanding of technological evolution	Are you able to gain familiarity with key digital technologies like Cloud Computing, IoT, AI, and Block chain, equipping them with the knowledge to identify their applications and potential benefits in different sectors.	Are you able to develop insights into Digital India initiatives and emergence of Kerala as Digital Society	Are you able to enhance digital literacy and ability in utilizing tools for data sharing, online learning, networking, and content creation, empowering them to thrive in the digital age	Are you able to become aware of ethical and security considerations in the digital age, including privacy concerns, Intellectual Property Rights, key terminologies related to cyber security, and an introduction to cyber laws in India, fostering responsible digital citizenship	Are you able to analyze real-world case studies of digital infrastructure projects, digital missions, and digital services to demonstrate a comprehensive understanding of the practical applications
COURSE OUTCOMES			CO1	CO2	CO3	CO4	CO5	CO5
1	ADITHYA U	UFAYSMT001	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
2	ANUSREE C T	UFAYSMT004	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
3	AYISHA NAHRIN CP	UFAYSMT005	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
4	FIDA MK	UFAYSMT007	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
5	HIBA K T	UFAYSMT008	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	3 (Good)
6	MAJIDA SHERIN K K	UFAYSMT010	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
7	MUHAMMED FAHIZ T P	UFAYSMT012	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	3 (Good)
8	NAJIA NASRIN . P	UFAYSMT014	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
9	RABIYATHUL ADHIBIYYA	UFAYSMT016	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)
10	RIFANA K	UFAYSMT017	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)
11	RUHANAK	UFAYSMT018	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)
12	SHAHANA T P	UFAYSMT019	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)
13	SHIBIYA JEBIN T H	UFAYSMT020	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
14	ANSHA P	UFAYBCM006	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)
15	ASHIFA . P	UFAYBCM010	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
16	ASHIQA . P	UFAYBCM012	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)
17	DEVITHEERTHA P K	UFAYBCM017	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)
18	FATHIMA DIYA P	UFAYBCM019	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)

19	FATHIMA RINFAC	UFAYBCM021	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)
20	FATHIMA RISHANA	UFAYBCM022	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)
21	FATHIMA SHAHANA P K	UFAYBCM023	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
22	HENNA K	UFAYBCM024	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
23	JISMI . K	UFAYBCM027	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)
24	MUHAMMED SHIAHEEN P	UFAYBCM035	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
25	NAJA RAHMA V P	UFAYBCM037	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)
26	RANHA P	UFAYBCM042	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)
27	SAHALA . K	UFAYBCM044	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)
28	SAHANA . K	UFAYBCM045	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)
29	SREENATH P	UFAYBCM057	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	3 (Good)	3 (Good)
30	FATHIMA HIBA K	UFAYAE020	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	3 (Good)
31	HESNA NAZRIN K. P	UFAYAE028	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
32	DIYA VP	UFAYAE014	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)
No. of graded "0"			0	0	0	0	0	0
No. of graded "1"			0	0	0	0	0	0
No. of graded "2"			0	0	0	0	0	0
No. of graded "3"			0	1	2	8	5	5
No. of graded "4"			18	19	18	16	18	18
No. of graded "5"			14	12	12	9	9	9

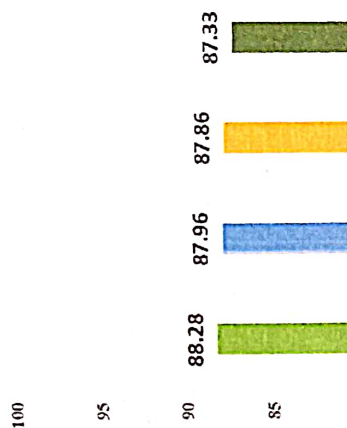


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DEPARTMENT OF MATHEMATICS													
COURSE EXIT SURVEY RESPONSES (EVEN SEM. 2024-2025)													
Course: CSC2FM106-DIGITAL EMPOWERMENT THROUGH ETHICAL STANDARDS													
Name of the faculty member: JASMINE MT		Semester: II											
CO No.	CO description	Course Exit Survey Questions		No. of students given the ratings						Total Responses	Weighted Average	CO Max. Count	%age CO attainment
				0	1	2	3	4	5				
CO1	Students will be able to analyze the challenges of the pre-digital age and comprehend the importance and benefits of digital revolution, facilitating a deeper understanding of technological evolution	Are you able to analyze the challenges of the pre-digital age and comprehend the importance and benefits of digital revolution, facilitating a deeper understanding of technological evolution		0	0	0	0	18	14	32	3.74	5	74.74
CO2	Participants will gain familiarity with key digital technologies like Cloud Computing, IoT, AI, and Block chain, equipping them with the knowledge to identify their applications and potential benefits in different sectors.	Are you able to gain familiarity with key digital technologies like Cloud Computing, IoT, AI, and Block chain, equipping them with the knowledge to identify their applications and potential benefits in different sectors.		0	0	0	1	19	12	32	3.66	5	73.16
CO3	Students will develop insights into Digital India initiatives and emergence of Kerala as Digital Society	Are you able to develop insights into Digital India initiatives and emergence of Kerala as Digital Society		0	0	0	2	18	12	32	3.63	5	72.63
CO4	Through exploration of digital tools for personal and professional growth, students will enhance their digital literacy and ability in utilizing tools for data sharing, networking, and content creation, empowering them to thrive in the digital age.	Are you able to enhance digital literacy and ability in utilizing tools for data sharing, networking, and content creation, empowering them to thrive in the digital age		0	0	0	8	16	9	33	3.50	5	70.00

CO5	Learners will become aware of ethical and security considerations in the digital age, including privacy concerns, Intellectual Property Rights, key terminologies related to cyber security, and an introduction to cyber laws in India, fostering responsible digital citizenship.	0	0	0	5	18	9	32	3.47	5	69.47
CO6	Students will analyze real-world case studies of digital infrastructure projects, digital missions, and digital services to demonstrate a comprehensive understanding of the practical applications and implications of digital technologies in various contexts, fostering critical thinking and strategic decision making skills in digital transformation initiatives.	0	0	0	5	18	9	32	3.47	5	69.47

CO Assessment method	CO1	CO2	CO3	CO4	CO5	CO6
Direct method (IA Test, Assignment/quiz AND Viva)	92	92	92	92	92	92
Weightage (80%)	73	73	73	73	73	73
Indirect method (Course Exit Survey)	74.74	73.16	72.63	70.00	69.47	69.47
Weightage (20%)	14.95	14.63	14.53	14.00	13.89	13.89
Final CO Attainment	88.28	87.96	87.86	87.33	87.23	86.89





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CO-PO-PSO MAPPING (EVEN SEM . 2023-2024)

Semester: II

Name of the faculty member: JASMINE MT

Course: CSC1FM105-DATA ANALYSIS AND VISUALISATION THROUGH SPREAD SHEETS

(I) CO Attainment

A: Direct assessment (80%)-Tests, Assignment, Examination

B: Indirect assessment (20%)-Course end survey

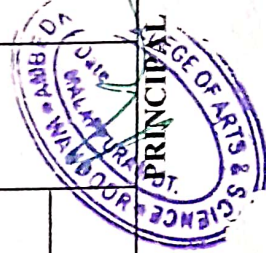
COs	Mapping of POs	Mapping of PSOs	Direct Assessment (a)	Indirect Assessment (b)	Overall Attainment 0.8 (a) + 0.2(b)	Target (%)	Attainment
CO1	PO1,PO4,PO5 & PO8	PSO1,PSO2, PSO3,PSO5 & PSO6	92	74.74	88	75	YES
CO2	PO1,PO3,PO4,PO5,PO7 & PO8	PSO1,PSO2, PSO3,PSO5 & PSO6	92	73.16	88		
CO3	PO1,PO4,PO6,PO8 & PO9	PSO1,PSO2, PSO3,PSO5 & PSO6	92	72.63	88		
CO4	PO1,PO3,PO4,PO5,PO7 & PO8	PSO1,PSO2, PSO3,PSO5 & PSO6	92	70.00	87		
CO5	PO1,PO4,PO5,PO6,PO8 & PO9	PSO1,PSO2, PSO3,PSO5 & PSO6	92	69.47	87		
CO6	PO1,PO4,PO5,PO7 & PO8,	PSO1,PSO2, PSO3,PSO5 & PSO6	92	69.47	87		

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