SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2025-2026

Course Code: 21CSP401L

Course Name: MAJOR PROJECT

VIII SEMESTER

BATCH No: _____

Project Title: Live Deepfake Detection

STUDENT NAME(S)	REGISTER NUMBER(S)
AAKASH A	RA2211008020132
DEEPANKUMAR.S	RA2211008020150
SDR ARUN VARSHAN	RA2211008020153

Supervisor Name: Dr R Kiruthiga

VISION OF THE INSTITUTE

To emerge as a World – Class University in creating and disseminating knowledge, and providing students a unique learning experience in science, technology, medicine, management and other areas of scholarship that will best serve the world and mankind.

MISSION OF THE INSTITUTE

1. MOVE UP through international alliances and collaborative initiatives to achieve global excellence.
2. ACCOMPLISH A PROCESS to advance knowledge in a rigorous academic and research environment.
3. ATTRACT AND BUILD PEOPLE in a rewarding and inspiring environment by fostering freedom, empowerment, creativity and innovation.

DEPARTMENT OF INFORMATION TECHNOLOGY

DEPARTMENT VISION

To become the department of excellence in producing quality IT engineers by empowering them with the latest trends in IT, research, and project management by imparting professional skills to ensure their ability to serve as proactive leaders offering innovative solutions to global modern industries.

DEPARTMENT MISSION

M1: To impart knowledge in the cutting edge Information technologies in par with industrial standards.

M2: To collaborate with renowned academic institutions to uplift innovative research and development in Information technology in its allied fields to serve the needs of society.

M3: To demonstrate strong communication skills and possess the ability to design computing systems individually as well as part of a multidisciplinary teams.

M4: To instil societal, safety, cultural, environmental, and ethical responsibilities in all professional activities.

M5: To produce successful graduates in Information Technologies with personal and professional responsibilities and commitment to lifelong learning.

PROGRAMME EDUCATIONAL OBJECTIVES

The graduates will

PEO 1	Graduates will have skills and knowledge to excel in their professional career in Information Technology and related disciplines
PEO 2	Graduates will contribute and communicate effectively within the team to grow into leaders
PEO 3	Graduates will practice lifelong learning for continuing professional development
PEO 4	Graduates will have the capability to continue their formal education and successfully complete an advanced degree.

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

After successful completion of B.Tech (IT) programme, the graduates will be able to

PO 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO 2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO 3	Design/development of solutions: Design solutions 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..
PO 4	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.
PO 5	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.
PO 6	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.

PO 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO 9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO 10	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,
PO 11	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
PO 12	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.

After successful completion of B.Tech(IT) programme, the graduates will be able to

PSO 1	Ability to Utilize Concepts and Practices in Information Technology.
PSO 2	Evaluate and Administer Information Technology Systems.
PSO 3	Effective Integration of Information Technology Systems and Practices.

COURSE OUTCOMES

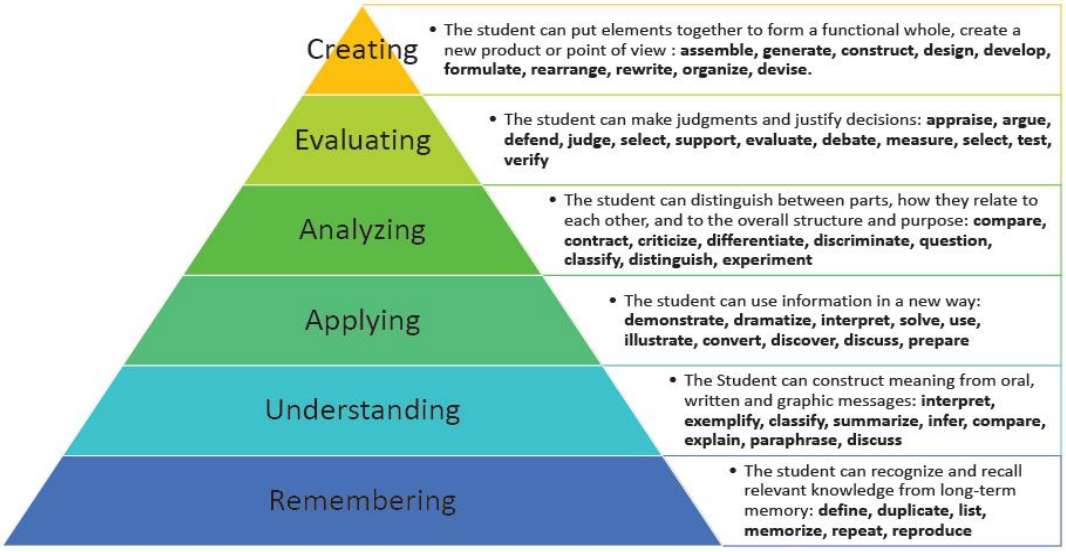
COURSE OUTCOMES	At the end of the course, students will be able to:
CO 1	Carry out problem identification and formulation.
CO 2	Create research based solutions for complex computer engineering or multidisciplinary problems, and design system components or processes by applying appropriate techniques, resources, and modern IT tools.
CO 3	Conduct an engineering project by functioning effectively as an individual, and as a team member or leader in diverse teams and Demonstrate the knowledge, skills and attitudes of a professional engineer.
CO 4	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
CO 5	Communicate effectively on complex engineering activities with the engineering community and write effective reports and design documentation, make effective presentations.

MAPPING OF COURSE OUTCOMES WITH POs and PSOs

COs	Programme Outcome												Programme Specific Outcome		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
CO1	3	3	2	2	1	1	1	3	3	3	3	2	3	2	3
CO2	3	3	3	3	3	1	1	3	3	3	3	2	3	3	3
CO3	3	3	3	1	2	3	3	3	2	2	2	1	3	3	3
CO4	3	3	3	3	3	3	2	3	2	2	2	1	3	3	3
CO5	3	3	3	3	2	2	2	3	3	3	3	3	3	2	2
Overall	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

BLOOMS TAXONOMY

KNOWLEDGE DOMAIN



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1.IMPORTANT DATES

Description	Date
Zeroth Review	
First Review	
Second Review	
Third Review	
Demo	
Project Report Verification	
Project Report Submission	

2. TYPE OF THE PROJECT

Specify the type of the proposed system

Research

Specify the domain of the proposed system

3.PROJECT PROPOSAL - PROPOSED SYSTEM

4. SOFTWARE REQUIREMENTS FOR PROPOSED SYSTEM

5. HARDWARE REQUIREMENTS FOR PROPOSED SYSTEM

Signature of the student(s):

6. PROJECT REGISTRATION FORM

BATCH NO. (to be filled by the coordinator):

TEAM MEMBERS:

S.No	Reg. No	Name	Phone	E Mail
1.				
2.				
3.				

Note: If there is valid reason, three members per team are allowed but prior permission from the Head of the Department is required. Team members cannot be from different sections. Team leader for a team should be identified.

NAME OF THE TEAM LEADER:

PROPOSED TECHNICAL AREA OF THE PROJECT (Just Mention, details not required):

NAME OF THE SUPERVISOR IDENTIFIEDBY THE STUDENTS

1. 2. 3.

(Signature of the students)

7. ZEROTH REVIEW

PERIODIC DISCUSSION WITH SUPERVISOR PRIOR TO ZEROTH REVIEW

DATE	DISCUSSION DETAIL	SIGNATURE OF SUPERVISOR

PPT VERIFICATION BY SUPERVISOR FOR ZEROTH REVIEW

SLIDE NO	CONTENT	SUGGESTION GIVEN BY SUPERVISOR
TITLE SLIDE	Title, student name with register number supervisor name with affiliation, salutation, qualification	
1	Abstract of the project	
2	Problem Identification	
3	References	

Approval of supervisor _____

PROGRESS REPORT BY SUPERVISOR

Supervisor, please give your feedback about your student's proposed project to confirm worthy/progress of their project.

Project Title:

What is your overall opinion about the project?

What new technology tools your student can learn during the project?

What would you change about the project?

What new ideas or suggestions can you make to make the project even moreexciting?

Kindly comment about the regular interaction of your students had with you before appearing for the review.

Will you recommend this project? (Please tick)

Recommended		Recommended with reservations	
Marks awarded by the supervisor	**Name of the supervisor**		**Signature**

COMMENTS ON 0th REVIEW

DATE OF REVIEW:

COMMENTS OF REVIEW COMMITTEE MEMBERS	
☐ **Approved**	☐ **Not Approved**
Review Panel Member(s)	

REVIEW MARKS

Register number	Objective and domain explanation (CO1) 10	Preparation for PPT presentation and reports (CO5) 30	Adhering to principles and ethics (CO4) 10	Total 50

8. LITERATURE SURVEY

Title of the base paper:

Author details

Publication details

Description about the paper

Outcome

Challenges

Future scope

9. PROJECT SCHEDULE –GANTT CHART

10. FIRST REVIEW

PERIODIC DISCUSSION WITH SUPERVISOR PRIOR TO FIRST REVIEW

DATE	DISCUSSION DETAIL	SIGNATURE OF SUPERVISOR

PPT VERIFICATION BY SUPERVISOR FOR FIRST REVIEW

SLIDE NO	CONTENT	SUGGESTION GIVEN BY SUPERVISOR
TITLE SLIDE	Title, student name with register number supervisor name with affiliation, salutation, qualification	
1	Abstract	
2	Introduction	
3	Related Works	
4	Project Analysis	
5	Project Requirements	
6	Project Architecture	
7	Conclusion	
8	References	

Approval of supervisor _____

PROGRESS REPORT UPTO FIRST REVIEW BY SUPERVISOR

Supervisor, please give your feedback about your student's project to confirm worthy/progress of their project.

Project Title:

What are the challenges faced by your students during literature survey?

What new technology tools your studentsidentified during the literature survey?

What would you change about the project?

What new ideas or suggestions can you make to make the project even moreexciting?

Kindly comment about the regular interaction of your students had with you before appearing for the review.

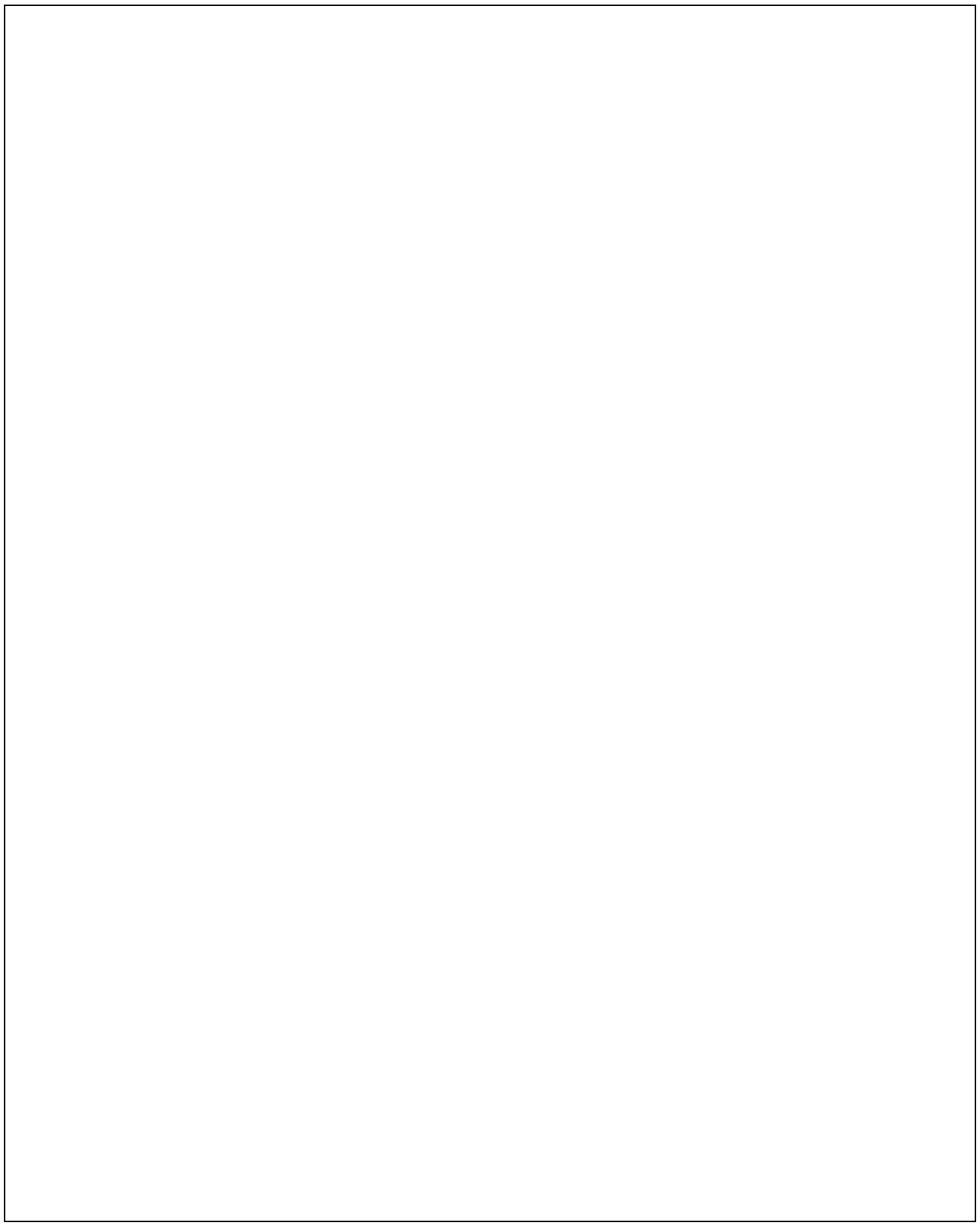
Marks awarded by the supervisor(20)	**Name of the supervisor**	**Signature**

COMMENTS ON 1st REVIEW

DATE OF REVIEW:

COMMENTS OF REVIEW COMMITTEE MEMBERS					
Review Panel Member(s)					
REVIEW MARKS					
Register number	**Design and Implementation (CO2) 30**	**Project influence in society, health, safety, cultural issues and needs (CO3) 5**	**Following principles and ethics (CO4) 5**	**Preparation for presentation and reports (CO5) 10**	**Total 50**

11. PROPOSED SYSTEM DESIGN DIAGRAM



12. SECOND REVIEW

PERIODIC DISCUSSION WITH SUPERVISOR

PRIOR TO SECOND REVIEW

DATE	DISCUSSION DETAIL	SIGNATURE OF SUPERVISOR

PPT VERIFICATION BY SUPERVISOR FOR SECOND REVIEW

SLIDE NO	CONTENT	SUGGESTION GIVEN BY SUPERVISOR
TITLE SLIDE	Title, student name with register number supervisor name with affiliation, salutation, qualification	
1	Abstract	
2	Introduction	
3	Related Works	
4	Project Analysis	
5	Project Requirements	
6	Project Architecture	
7	Project Modules	
8	Project Implementation	
9	Conclusion	
10	References	

Approval of supervisor _____

PROGRESS REPORT UPTO SECOND REVIEW BY SUPERVISOR

Supervisor, please give your feedback about your student's project to confirm worthy/progress of their project.

Project Title:

What are the challenges faced by your students during literature survey?

What new technology tools your studentsidentified during the literature survey?

What would you change about the project?

What new ideas or suggestions can you make to make the project even moreexciting?

Kindly comment about the regular interaction of your students had with you before appearing for the review.

What is the percentage of work completion?

Marks awarded by the Supervisor	**Name of the Supervisor**	**Signature**

COMMENTS ON 2nd REVIEW

DATE OF REVIEW:

COMMENTS OF REVIEW COMMITTEE MEMBERS	
Review Panel Member(s)	
REVIEW MARKS	

Register number	**Design and Implementation (CO2) 30**	**Project influence in society, health, safety, cultural issues and needs (CO3) 5**	**Following principles and ethics (CO4) 5**	**Preparation for presentation and reports (CO5) 10**	**Total 50**

13. THIRD REVIEW

PERIODIC DISCUSSION WITH SUPERVISOR PRIOR TO THIRD REVIEW

DATE	DISCUSSION DETAIL	SIGNATURE OF SUPERVISOR

PPT VERIFICATION BY SUPERVISOR FOR THIRD REVIEW

SLIDE NO	CONTENT	SUGGESTION GIVEN BY SUPERVISOR
TITLE SLIDE	Title, student name with register number supervisor name with affiliation, salutation, qualification	
1	Abstract	
2	Introduction	
3	Related Works	
4	Project Analysis	
5	Project Requirements	
6	Project Architecture	
7	Project Modules	
8	Project Implementation	
9	Performance Analysis	
10	Conclusion	
11	References	

Approval of supervisor _____

PROGRESS REPORT UPTO THIRD REVIEW BY SUPERVISOR

Supervisor, please give your feedback about your student's project to confirm worthy/progress of their project.

Project Title:

What are the challenges faced by your students during literature survey?

What new technology tools your studentsidentified during the literature survey?

What would you change about the project?

What new ideas or suggestions can you make to make the project even moreexciting?

Kindly comment about the regular interaction of your students had with you before appearing for the review.

What is the percentage of work completion?

Marks awarded by the Supervisor	**Name of the Supervisor**	**Signature**

COMMENTS ON 3rd REVIEW

DATE OF REVIEW:

COMMENTS OF REVIEW COMMITTEE MEMBERS	
Review Panel Member(s)	
REVIEW MARKS	

Register number	**Design and Implementation (CO2) 20**	**Project influence in society, health, safety, cultural issues and needs (CO3) 5**	**Following principles and ethics (CO4) 5**	**Preparation for presentation, reports and demo (CO5) 15**	**Future Scope (CO6) 5**	**Total 50**