HINDUSTAN
INSTITUTE OF TECHNOLOGY & SCIENCE
(DEEMED TO BE UNIVERSITY)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2022-2023

B. TECH FINAL YEAR PROJECT INTERNAL EVALUATION

ECB 4441-Project & Viva-voce

NAME OF THE STUDENT : .....

REGISTER NUMBER : .....

PROJECT TITLE : .....

SUPERVISOR NAME WITH DESIGNATION :

HINDUSTAN
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B. TECH. ELECTRONICS AND COMMUNICATION ENGINEERING
ECB4441- PROJECT WORK & VIVA VOCE
EVEN SEMESTER 2022 - 2023

Title of the Project:

Name of the Industry:
(Fill if applicable)
(Attach proof for industry project)
Project Members: (maximum number is limited to 2)

Passport size photo	(To fix photograph here)	(To fix photograph here)
Name with initial		
Register Number		
Mobile		
E-mail		
Signature		

Domain area of the project:

Internal:
Guide name and Designation Guide signature

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ECB4441-PROJECT & VIVA-VOCE

REVIEW SCHEDULE

The Final year B.Tech- ECE Project schedule will be as follows

REVIEW NO	TENTATIVE DATES	WORKS TO BE COMPLETED
REGISTRATION OF BATCHES AND SUPERVISOR	17.10.2022	Submit the details of students in batches and Domain name / Title selection
ZEROTH REVIEW	21.11.2022 & 22.11.2022 29.11.2022 & 30.11.2022	1. Submit the project title with approval by panel members and HoD. 2. Identify the contribution of module to be done by each student in the batch
FIRST REVIEW	5.12.2022 To 7.12.2022	Power point Presentation should be done with 1. Literature Review – Problem Identification 2. Block diagram 3. Overall view of the project 4. Module Explanation done by each student in the batch
SECOND REVIEW	04.01.2023 To 07.01.2023	1. Development of Set-up/Software Methodology with results 2. Block diagram explanation 3. 50 % of the project should have been completed. 4. Module Explanation done by each student in the batch

THIRD REVIEW	06.02.2023 To 10.02.2023	1. Progress of the project from the last review 2. Hardware kit submission with results 3. Overall project explanation with results in power point presentation 4. 80% of the project should have been completed. 5. Module Explanation done by each student in the batch.
FOURTH REVIEW	6.03.2023 To 10.03.2023	1. Implementation of corrections 2. Presentation of Results / DEMO 3. Submit the overall draft report of the project. 4. Submit the acknowledgement form indicating the completion of conference/journal paper signed by the supervisor. **5. Submission Proof of Publication in SCOPUS indexed Conferences / Journal**
MODEL EXAMINATION **(DEMO)** **(FIFTH REVIEW)**	10.04.2023 to 14.04.2023	1. Final Demo 2. Final Power point presentation. 3. Final report submission. 4. Acceptance proof of Publication

IMPORTANT NOTES:

1. Faculty can guide a **maximum of two batches**. However, in special cases with the permission of HOD faculty can be assigned with an additional batch.

2. Student should **bring the project diary** for every review process. If not, they will not be allowed to present the reviews.

3. Students are encouraged to take **industry project** with the proper approval from the HOD (Details to be provided on or before zeroth review)

4. In case of Industry project, the **project completion certificate** from the industry needs to be submitted on or before 4th Review.

5. It is mandatory that **75% of attendance is required per students** for the project work. So, the students are instructed to report to their respective supervisor **every day. Further, weekly report** needs to be submitted to the **Project coordinators**

6. **Attendance is mandatory for the review**, if any student fails to attend the review on the schedule dates, corresponding project review marks will be reduced.

7. **All the students** of the batch should be present during the review process

8. **Proper dress code (Formals)** to be followed during the review dates.

9. Each project will be reviewed by a **panel of Internal / External** faculty members.

10. **Hard copy of the PPT** with the approval signature from the supervisor should be submitted during each review process.

11. It is mandatory that each batch must come out with the **paper publication in Scopus Indexed Conference / journal.**

12. **Acknowledgement** from the supervisor for completion / submission of papers for conference or journal to be produced on fourth review.

SIGNATURE OF THE STUDENT **SIGNATURE OF THE SUPERVISOR**

Abstract

Brief about the Project (200 words)

Signature of the Project Guide

ECB4441- PROJECT WORK & VIVA VOCE
EVEN SEMESTER 2022 – 2023
ATTENDANCE SHEET AND INDIVIDUAL CONTRIBUTION

TITLE OF THE PROJECT:

SUPERVISOR NAME:

PROJECT MEMBERS:

Roll No	Name

WEEKLY MONITORING SHEET

S. No	WEEK No	Work Allotted (Individual)	Completion Status	Supervisor Remarks	Supervisor Signature
1					
2					

S. No	WEEK No	Work Allotted (Individual)	Completion Status	Supervisor Remarks	Supervisor Signature
3					
4					
5					
6					

S. No	WEEK No	Work Allotted (Individual)	Completion Status	Supervisor Remarks	Supervisor Signature
7					
8					
9					
10					

S. No	WEEK No	Work Allotted (Individual)	Completion Status	Supervisor Remarks	Supervisor Signature
11					
12					
13					
14					

S. No	WEEK No	Work Allotted (Individual)	Completion Status	Supervisor Remarks	Supervisor Signature
15					
16					
17					
18					

Supervisor **Design Project Coordinator** **HOD**

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ECB4441-PROJECT & VIVA-VOCE

CHECKLIST AND ACKNOWLEDGEMENTS

- The students should get the signature of the supervisor in this form at least one day before the scheduled review date.

- The supervisors are requested to verify, fill **YES/NO** whichever is applicable and **sign in this form with date**.

Description	**First Review**	**Second Review**	**Third Review**	**Fourth Review**	**Fifth Review**
PPT					
Literature Review					
Project Demo					
Project Report					
Conference/ Journal Paper preparation					
Conference/ Journal Paper Communication					
Guide Signature					

B. Tech Final Year Project Internal Evaluation Rubrics – Continuous Assessment
Academic Year – 2022-23

Review - 1, Literature review, project description **(Maximum marks: 20)**

S. No	Description	Excellent (5)	Good (4)	Satisfactory (3)	Poor (1)
1.	Literature review	Comprehensive review of recent articles / journals	Literature review is good but not sufficient	Study of existing work is average and not in depth to frame the problem	Description of review articles are poor
2.	Identifying the initial problem and domain	Selection of domain and problem formulation are based on literature review	Problem formulation and domain selection are good, but could be improved	Average knowledge on existing work and which affected domain selection and problem formulation	Less focus on the domain selection based on existing literature
3.	Analyse the initial problem by applying knowledge of mathematics/science/engineering fundamentals	Able to formulate idea and express it in mathematical form, with detailed explanation	Able to express mathematical formulation of the project, but lack of clarity on applied science behind it	Able to formulate mathematics for the problem, but less knowledge on the application	Poor understanding on the science behind the project
4.	Organizing the content in terms of logical ordering of information, length of presentation, Collaboration with team mates	Excellent selection of slides, oral communication and conveying idea	Either presentation or oral communication is good	Presentation and interaction are average	Poor presentation and lack of order in slides

Review- 2, Progress Assessment, Stage – 1 **(Maximum marks: 20)**

S. No	Description	Excellent (5)	Good (4)	Satisfactory (3)	Poor (1)
1.	Collecting research papers and data, Identifying the requirements (Software, hardware etc)	Proper identification of tools and quality of acquired papers should be high	Understanding on software of hardware tools to be used are good	Identification of SW and HW tools are average	Poor understanding on SW as well as HW, and are not suitable for the project
2.	Identifying the project influence in societal/environmental/health/legal/cultural needs	Check whether the student able to identify proper application of the project and cost effective implementation	Able to identify the societal application, but do not know the cost effective implementation	Application of the project is not clear or not able to explicitly express	Lack of understanding on application of the project
3.	Demonstration of individual responsibilities	Able to take responsibilities effectively	Able to engage partially in the work	Less understanding on various responsibilities in the project	Poor understanding on various responsibilities in the project
4.	Organizing the content in terms of logical ordering of information, length of presentation, Individual module explanation, Collaboration with team mates	Excellent selection of slides, oral communication and conveying idea	Either presentation or oral communication is good	Presentation and interaction are average	Poor presentation and lack of order in slides

Review- 3, Progress Assessment, Stage – 2 **(Maximum marks: 20)**

S. No	Description	Excellent (5)	Good (4)	Satisfactory (3)	Poor (1)
1.	Presentation of acquired skill sets (e.g. software competency, knowledge on hardware details etc.)	Well demonstrated skill sets acquired through the project	Skillsets are developed and are good	Technical development is average	Presentation of acquired skill sets are poor
2.	Self-assessment of the progress of the project and modification of work plan and process	Able to identify the progress in technical skills acquired	Skillset development identification is good	Skillset development identification is average	Skillset development identification is poor
3.	Demonstration of individual responsibilities	Able to take responsibilities effectively	Able to engage partially in the work	Less understanding on various responsibilities in the project	Poor understanding on various responsibilities in the project
4.	Organization of content in terms of logical ordering of information, length of presentation, Collaboration with other team mates	Excellent selection of slides, oral communication and conveying idea	Either presentation or oral communication is good	Presentation and interaction are average	Poor presentation and lack of order in slides

Review- 4, Progress Assessment, Stage – 3 **(Maximum marks: 20)**

S. No	Description	Excellent (5)	Good (4)	Satisfactory (3)	Poor (1)
1.	Create design documents, skill to solve real-time problems, ability to convert prototype or design concept into actual products / patent etc.	SW and HW skills are excellent to design real time applications.	Ability to convert prototype or design concept into actual products / patent etc. are good	Ability to convert prototype or design concept into actual products / patent are average	Design and problem solving skills are poor
2.	Adhering to specified standards and rules in coding and documenting the work, Adhering to ethic statement and Adhering to rules/guidelines to be followed during the presentation	Strictly adheres to the norms specified wherever required	Specified skills are good	Average skills to adhere to the standards and norms	Poor focus in following the norms laid down
3.	Comprehensive knowledge in the selected domain and skill sets acquired, awareness of future opportunities	Concepts and domain skills related to the project are excellent	Concepts and domain skills related to the project are good	Concepts and domain skills related to the project are average	Concepts and domain skills related to the project are poor
4.	Demonstration of individual responsibilities , Organization of content in terms of logical ordering of information, length of presentation, Collaboration with other team mates	Well demonstrated skill sets acquired through the project, improved presentation skills	Skillsets are developed and are good, and improved presentation skills	Technical development is average, and presentation skills are need to be improved	Presentation of acquired skill sets are poor

Review- 5, Demonstration and Report Evaluation **Maximum marks: 20**

Rubrics for Project Evaluation – Individual and Group Assessment

S. No	Description	Excellent (5)	Good (4)	Satisfactory (3)	Poor (1)
1.	Capacity to communicate effectively with others using ICTs, multimedia, visual, musical and other forms appropriate to their disciplines Providing valid conclusions Following standards in writing reports Function effectively as an individual Efforts taken to publish the work in conf./journal	Communication skills and application of ICT to communicate ideas are excellent, Writing skills are well demonstrated	Documentation skills are good, communication skills and application of ICT to communicate ideas are good	Communication skills and application of ICT to communicate ideas are average	Communication skills and application of ICT to communicate ideas are poor
2.	Capacity to communicate effectively with others in writing, demonstration of working model/software simulations	Capacity to communicate effectively with others in writing, presenting the model/software simulations are well demonstrated	Capacity to communicate effectively with others in writing, demonstration of working model/software simulations are good	Capacity to communicate effectively with others in writing, demonstration of working model/software simulations are average	Capacity to communicate effectively with others in writing, demonstration of working model/software simulations are poor
3.	Individual module explanation, Use of scientific terms/algorithms/codes// symbols/pictures/animations etc. relevant to the project/concept/problem	Individual module explanation, Use of scientific terms etc. are precise and specific to the subject	Individual module explanation, Use of scientific terms etc. are good	Individual module explanation, Use of scientific terms etc. are average	Individual module explanation, Use of scientific terms etc. are poor
4.	Technical merit and application of the project	Clearly able to express the merit and application of the project	Skill for expressing the merit and application of the project are good	Average skills for explaining the technical merit of the project	Skill for expressing the merit and application of the project are poor

1. Internal Evaluation

Sl. No	Description	Assessment	Review Marks	**Overall Weightage	Contribution to final marks
Review -1	Literature review, project description	Rubric –R1	20	10%	2
Review -2	Progress Assessment – Stage 1	Rubric -R2	20	40%	8
Review -3	Progress Assessment – Stage 2	Rubric -R3	20	60%	12
Review -4	Progress Assessment – Stage 3	Rubric -R4	20	70%	14
Review -5	Demonstration and Report evaluation	Rubric -R5	20	70%	14
Overall Internal Mark details			100	60%	60

** Overall weightage of total marks for the project

2. **External Evaluation**

Sl. No	Description	Assessment	Review Marks	**Overall Weightage	Contribution to final marks
1	Final Viva Voce Examination, Demonstration	External examiner review, report evaluation	100	40%	40

Details of Continuous Internal Assessment

Name of the student :

Reg. No :

Project Title :

Supervisor Name :

Review - 1							
Sl. No	**Description**	**Level of achievement**					**Remarks (Panel Members name with sign)**
		Excellent(5)	**Good(4)**	**Satisfactory(3)**	**Poor (1)**	**Total (20)**	
1	Literature review						
2	Identifying the initial problem and domain						
3	Analyse the initial problem by applying knowledge of mathematics / science / engineering fundamentals						
4	Organizing the content in terms of logical ordering of information, length of presentation, Collaboration with team mates						

Review - 2							
Sl. No	**Description**	**Level of achievement**					**Remarks (Panel Members name with sign)**
		Excellent(5)	**Good(4)**	**Satisfactory (3)**	**Poor (1)**	**Total (20)**	
1	Collecting research papers and data, Identifying the requirements (Software, hardware etc.)						
2	Identifying the project influence in societal/environmental/health/legal/cultural needs						
3	Demonstration of individual responsibilities						
4	Organizing the content in terms of logical ordering of information, length of presentation, Individual module explanation, Collaboration with team mates						

Review - 3							
Sl. No	**Description**	**Level of achievement**					**Remarks (Panel Members name with sign)**
		Excellent(5)	**Good(4)**	**Satisfactory (3)**	**Poor (1)**	**Total (20)**	
1	Presentation of acquired skill sets (e.g. software competency, knowledge on hardware details etc.)						
2	Self-assessment of the progress of the project and modification of work plan and process						
3	Demonstration of individual responsibilities						
4	Organization of content in terms of logical ordering of information, length of presentation, Collaboration with other team mates						

Review - 4							
Sl. No	**Description**	**Level of achievement**					**Remarks (Panel Members name with sign)**
		Excellent(5)	**Good(4)**	**Satisfactory (3)**	**Poor (1)**	**Total (20)**	
1	Create design documents, skill to solve real-time problems, ability to convert prototype or design concept into actual products / patent etc.						
2	Adhering to specified standards and rules in coding and documenting the work, Adhering to ethic statement and rules/guidelines to be followed during the presentation						
3	Comprehensive knowledge in the selected domain and skill sets acquired, awareness of future opportunities						
4	Demonstration of individual responsibilities , Organization of content in terms of logical ordering of information, length of presentation, Collaboration with other team mates						

Review - 5							
Sl. No	**Description**	**Level of achievement**					**Remarks (Panel Members name with sign)**
		Excellent(5)	**Good(4)**	**Satisfactory (3)**	**Poor (1)**	**Total (20)**	
1	Capacity to communicate effectively with others using ICTs, multimedia, visual, musical and other forms appropriate to their disciplines Providing valid conclusions Following standards in writing reports Function effectively as an individual Efforts taken to publish the work in conf./journal						
2	Capacity to communicate effectively with others in writing, demonstration of working model/software simulations						
3	Individual module explanation, Use of scientific terms/algorithms/codes// symbols/pictures/animations etc. relevant to the project/concept/problem						
4	Technical merit and application of the project to societal / industrial needs						