



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai

Accredited by NAAC

ANGUCHETTPALAYAM, PANRUTI – 607 106.

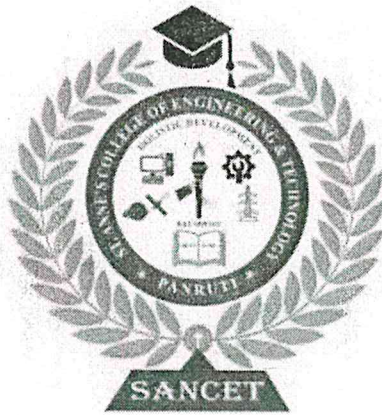
PROJECT CONDUCTION PROOF

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

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ANGUCHETTYPALAYAM, PANRUTI – 607 106.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

UG -PROGRAMME

PROJECT WORK ASSESSMENT RECORD

PROJECT REVIEW DATES





ZEROTH REVIEW	: 24.02.2025
FIRST REVIEW	: 21.03.2025
SECOND REVIEW	: 07.04.2025
THIRD REVIEW	: 20.05.2025
SUBMISSION OF MANUSCRIPT	: 10.05.2025
SUBMISSION OF PROJECT REPORT	: 20.05.2025

PROJECT APPROVAL FORM

Title of the Project : **THAFW SENSE : ARTIFICIAL INTELLIGENCE FOR POULTRY FARM MANAGEMENT.**

Area of Project : **EMBEDDED SYSTEM**

Nature of Project : **Hardware/ Simulation/ Both**

Project Members :(maximum number is limited to 4)				
Passport size photo				
Name with initial at the end	ASHWIN A	SURIYA R	RAGUNATH A	SANJAI S
Register Number	422121106007	422121106036	422121106026	422121106029

Aim of the Project: (Should be specific in not more than five lines/points)

The project aims to develop a effective AI integrated poultry system with performing specific task and to delivet the real-time information to the farmers.

Scope of the Project: (Should be specific in not more than five lines/points)


- Automated and AI control system without Human intervention.
- Providing the real-time information about the farm condition to the farmers
- prevent the birds from environmental factors like (Heat stress, Humidity, gasture)

Referred Journal Name & Year: (Minimum one base and two reference papers)

1. poultry precision : Exploring the impact of Iot Sensors on Smart Farming practices - 2024 - IEEE Xplore
2. IOT - Enabled poultry Farming : Innovations in Automation and Monitoring - 2024 - IEEE Xplore
3. A Low-cost Edge -IOT Based Smart poultry Farm - 2023 - IEEE Xplore .

GUIDE DETAILS

INTERNAL GUIDE:

GUIDE NAME : Mr. S. Balasubramanian
GUIDE AREA OF SPECIALIZATION : Embedded System Technology
GUIDE SIGNATURE : 

EXTERNAL GUIDE: (Optional)

COMPANY NAME : -
GUIDE NAME : -
GUIDE AREA OF SPECIALIZATION : -
GUIDE SIGNATURE : -


Guide signature


Project Coordinator


Approval of HOD

ECE Department,
St. Anne's College of Engineering & Technology,
ANGUCHETTIPALAYAM,
Siruvathur-Post, Panruti Taluk,
Cuddalore-Dist. 607 001

GUIDELINES FOR PROJECT WORK

- Project work may be allotted to a single student or to a group of students not exceeding 4 per group.
- Project batches once allotted will not be changed for any reason.
- The project title must be selected after getting approval from the respective guide, project coordinator, and HOD. The project coordinator/HOD has the right to accept or refuse the title of the project.
- The Project Title once finalized cannot be changed for any reason unless the project is rejected during subsequent reviews.
- Every batch should meet their respective guide at the beginning of each week (Monday), get the work assigned from them and the status of the assigned work in the previous week should be reported.
- An assessment record should be maintained by each batch and the status of the project work should be recorded in it. It is the responsibility of the project batch to get it signed by the respective guide each week. This will ensure the progress of the student's project work.
- Those candidates interested in doing the industrial projects must get prior permission from the HOD/Principal, failing which the work will not be approved.
- A candidate may, however, in certain cases, be permitted to work on projects in an Industry/Research Organization, on the recommendations of the HOD. In such cases, the Project work shall be jointly supervised by a project guide of the department and an expert as a joint supervisor from the organization, the student shall be instructed to meet the project guide periodically and to attend the review meetings for evaluating the progress.
- If a candidate fails to submit the project report on or before the specified deadline, he/she is deemed to have failed in the Project Work and shall re-enroll for the same in a subsequent semester.
- Failure to meet the project guide will reduce marks in the subsequent reviews.
- There shall be three reviews during the semester by the review committee. The total marks obtained in the three reviews shall be **reduced for 60 marks and rounded to the nearest integer.**

- Every batch member should be present for the project review. If a single student fails to appear for the review the entire batch will not be allowed to present their project in the review.
- The project batch should make a PowerPoint presentation and present their reviews. The presentation should be approved by their respective guides in advance.
- Each presentation will be for 10 minutes (to be decided by the review committee at the initial stages and 20 minutes for the final stages including a demonstration).
- A report in a **Word document** should be prepared for each review. The report should be duly approved and countersigned by the respective guide before submitting it at the time of review. Reports not approved by the guide will not be accepted and the batch will not be allowed to present their project in the review.
Note: Handouts of the PowerPoint presentation must not be submitted as the Project Report.
- Marks are awarded to each student of the project group based on individual performance in the review meetings.
- Any number of re-reviews can happen depending on the discretion of the project coordinator and project committee and it should happen within the prescribed time.
- **Note:** Projects which are pure survey reports, with no supporting implementation or theory, are not acceptable.
- Project report to be prepared as per the guidelines and format given by Anna University.
- Absenteeism of reviews will not be entertained for any reason.

Signature of Students

1. A. Ashwin
2. R. Swatiya
3. A. Raghunath
4. S. Sanjay

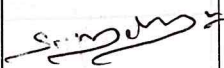











PROJECT REQUIREMENTS
(Expectations from Students for each review)

ZEROTH REVIEW	FIRST REVIEW	SECOND REVIEW	THIRD REVIEW
Abstract	Abstract	Abstract	Abstract
Introduction	Block Diagram of the Proposed System	Block Diagram of the Proposed System	Overall Design
Literature Survey	Flow chart, Algorithms (if necessary}	Detailed Design (Contribution to the project)	Experimental Results
Proposed System	Expected outcomes	Results obtained (intermediate}	Performance Evaluation
References	30% of Project Implementation	80% of Project Implementation	Future Scope
	References	References	References
			100% of Project implementation - Demo

Note:

- ✓ The presentation should have a minimum of 10 slides and a maximum of 25 slides.
- ✓ Presentation will be for 10/20 minutes.
- ✓ All three reviews are compulsory.

PROJECT DIARY

Sl. No.	Major activities	Target date	Actual date	Remarks/Reason for the delay (if any)	Signature of guide
1.	confirmation of title	21/2	22/2	-	
2.	Abstract of the project	22/2	22/2	-	
3.	Literature Survey and References	25/2	26/2	-	
4.	Introduction of Project	26/2	26/2	-	
5.	Existing and concluding proposed system	27/2	28/2	-	
6.	Correcting the drawback	03/3	06/2	visit the Polity form to collect data	
7.	List the components Required	07/3	07/3	-	
8.	Visiting the Research field	12/3	12/3	check the date collected from Polity with Proprietary	
9.	Collect the some components for Setup.	13/3	14/3	-	
10.	Simulating the System Virtually	17/3	18/3	-	
11.	preparing ppt. of Implementation for Review.	19/3	20/3	-	
12.	Reconnect the project by Review	24/3	25/3	-	

SI. NO	Major activities	Target date	Actual date	Remarks	Sign of guide
13.	Rearrange the project for improve	26/03	28/03	-	<u>S. M. M.</u>
14.	Creating dashboard	01/04	02/04	-	<u>S. M. M.</u>
15.	creating database	04/04	05/04	-	<u>S. M. M.</u>
16.	connecting dashboard and database	07/04	07/04	-	<u>S. M. M.</u>
17.	creating graph	08/04	13/04	-	<u>S. M. M.</u>
18.	Error Debug	14/04	20/04	-	<u>S. M. M.</u>
19.	create authentication	21/04	27/04	-	<u>S. M. M.</u>
20.	Sensor error correction	28/04	05/05	-	<u>S. M. M.</u>
21.	Adding LCD display	06/05	11/05	-	<u>S. M. M.</u>
22.	modifying the assembly.	12/05	18/05	-	<u>S. M. M.</u>

PROJECT DIARY

PROGRESS OF THE WORK:

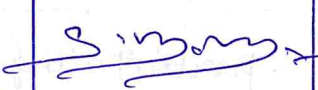






Date	Details of work done	Signature of guide	Remarks
21/2/25	Searching Research journals for base and Reference papers	—	Signature
22/2/25	Analyse the Research papers, existing system and prosing a system	—	Signature
24/2/25	Zeroth Review Presentation	—	Signature
25/2/25	Correcting the projects by Zeroth Review	—	Signature
26/2/25	Analysing about AI and IOT on poultry System Implementation	—	Signature
27/2/25	Study about AI Implementing Software tools and Powers	—	Signature
28/2/25	Studying about the existing Iot System, drawback, Methodology	—	Signature
01/3/25	Research the existing Systems journals and methods	—	Signature
04/3/25	Remodify the presentation for Re-Review.	—	Signature
05/3/25	altering the Blocks and content for Re-Review.	—	Signature

S.NO	DATE	DETAILS OF WORK DONE	SIGN OF GUIDE
	06/03/25	Zeroth - Re-Review	<u>S. M. M.</u>
	07/03/25	Correcting the Bias in project by Re-Review.	<u>S. M. M.</u>
	10/03/25	Deciding the kind list the Hardware components	<u>S. M. M.</u>
	11/03/25	Study about the components and working features.	<u>S. M. M.</u>
	12/03/25	Visiting poultry farm	<u>S. M. M.</u>
	13/03/25	Discuss the Insights with team of poultry farm field visitings.	<u>S. M. M.</u>
	14/03/25	Prepare some Hardware components and Simulating the Systems.	<u>S. M. M.</u>
	17/03/25	Virtually experimental the Systems.	<u>S. M. M.</u>
	18/03/25	Testing the components are functioned correctly.	<u>S. M. M.</u>
	19/03/25	Purchasing some components and preparing AORDOFEST	<u>S. M. M.</u>

PROJECT DIARY







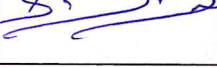


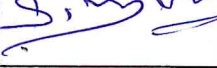


PROGRESS OF THE WORK:








Date	Details of work done	Signature of guide	Remarks
20/03/25	preparing for the competition presentation.	<u>Singam</u>	—
21/03/25	participating the ARDU FEST competition & First Review	<u>Singam</u>	—
24/03/25	Correcting the Project based on Review	<u>Singam</u>	—
25/03/25	Testing the some components are correctly work.	<u>Singam</u>	—
26/03/25	Reassemble the components to make project.	<u>Singam</u>	—
27/03/25	checking the sensors give output.	<u>Singam</u>	—
28/03/25	Testing the Relay for appropriate actuators	<u>Singam</u>	—
01/04/25	Study about the dashboard and database.	<u>Singam</u>	—
02/04/25	Trying to create a dashboard	<u>Singam</u>	—
03/04/25	creating a demo dashboard for project.	<u>Singam</u>	—
04/04/25	Study about the MySQL database.	<u>Singam</u>	—
05/04/25	creating a MySQL dashboard for project.	<u>Singam</u>	—

DATE	DETAILS OF WORK DONE	SIGNATURE OF GUIDE	REMARKS
06/04/25	connecting the dashboard and data base to project.		—
07/04/25	checking the errors and reconnect		—
08/04/25	Researching for cloud database instead local database.		—
09/04/25	Finding firebase database for cloud database.		—
11/04/25	Study about firebase database connection features.		—
15/04/25	Trying to connect the firebase with pwa w.		—
16/04/25	Trying to connect the database.		—

PROJECT DIARY

PROGRESS OF THE WORK:

Date	Details of work done	Signature of guide	Remarks
17/04/25	Verifying the database correctly Store values.		-
21/04/25	checking the database works correctly		-
22/04/25	Solving the Errors of database.		-
23/04/25	Rebuy the connection of database and graph		-
24/04/25	changing and fixing the graph of dashboard		-
25/04/25	fixing the graphical interface of dashboard		-
28/04/25	preparing for attending conference		-
29/04/25	Ready for presentation of conference.		-
30/04/25	Participating the National level conference		-
02 01/05/25	firebase shows the error (security)		-
05/05/25	changing the code for database		-
06/05/25	collecting the web page		-

DATE	DETAILS OF WORK DONE	SIGNATURE OF GUIDE	REMARKS
07/05/25	changing the Error in web		-
08/05/25	collecting the graph		-
09/05/25	modifying the webpage colour		-
12/05/25	colouring the web page		-
13/05/25	changing the coding of web		-
14/05/25	modifying the assembly set		-
19/05/25	changing the web page		-

ZEROth REVIEW APPROVAL

GUIDELINES

Date of Review: 24.02.2025

Guide Remarks:

Seminar Presentation Material was shown by the students' on 24.02.2025. I have gone through the progress of the work and the presentation. The suggestions made by me were incorporated in the presentation.

Recommended for Presentation: Yes / No


Project Guide Signature




ZEROth REVIEW EVALUATION SHEET

Sl. No.	Register No	Name of the Student	Mark Allocation				
			Literature Review	Technical Content	Innovation	Presentation	Total
			25	25	25	25	100
1.	422121106007	ASHWIN A	22	18	20	20	80
2.	422121106036	SURIYA R	0	0	0	0	0.
3.	422121106026	RAGUNATH A	20	20	20	20	80
4.	422121106029	SANJAI S	21	19	20	20	80

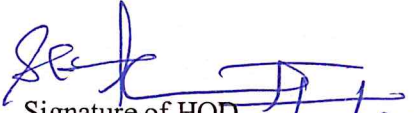
Remarks of the Evaluators (Comments and Major Weaknesses Identified):

- * The field visit has to be conducted to get the Polutary actual data
- * The AI model has to be studied.

FEEDBACKS

DATE/ DAY	MEMBERS	COMMENTS	SIGNATURE
24.02.2021	Panel member I (Project Guide)	<ul style="list-style-type: none"> * The AI has to be added * The Block Diagram has to be updated. * The Data collection Part has to be updated on Fieldvis 	
	Panel member II (Project Coordinator)	<ul style="list-style-type: none"> * change the Block diagram. * Include AI in the project. * study the feasibility of the project. 	
	Panel Member III (Review Member) [Mr. S. Bouboussine]	<ul style="list-style-type: none"> * Visit Poultry farm to get the Parameters to be added to the database. 	

Remarks of the HOD: Title is approved with AI part


Signature of HOD 6/3/2021

ECE Department.
St. Anne's College of Engineering & Technology
ANGUCHETTIPALAYAM,
Siruvathur-Pest, Panruti-1
Coimbatore-Dist. 687

FIRST REVIEW APPROVAL

Date of Review: 21.03.2025

Guide Remarks:

Seminar Presentation Material was shown by the student's on 21.03.2025. I have gone through the progress of the work and the presentation. The suggestions given in the zeroth review and by the guide/coordinator/review member/HOD were incorporated in the presentation.

Recommended for Presentation: Yes / No





Project Guide Signature

FIRST REVIEW EVALUATION SHEET

Sl.No.	Register No	Name of the Student	Mark Allocation				
			Technical Content	Presentation	Progress in Project	Result and Innovation	Total
			25	25	25	25	100
1.	422121106007	ASHWIN A	22	21	22	23	88
2.	422121106036	SURIYA R	21	22	22	23	88
3.	422121106026	RAGUNATH A	22	23	21	23	89
4.	422121106029	SANJAI S	23	22	21	23	89

Remarks of the Evaluators (Comments and Major Weaknesses Identified):

FEEDBACKS

DATE/ DAY	MEMBERS	COMMENTS	SIGNATURE
21.03.25	Panel member I (Project Guide) [S. BALABASU]	* The UI/UX Design has to be updated * The Realtime values to be shown for every 10 seconds	
	Panel member II (Project Coordinator)	* The Data For AI Prediction has to be collected from various forms.	
	Panel Member III (Review Member) [S. BALABASU]	* The Data shown on UI interface has to be updated for every 10 seconds. * The manual mode has to be added.	

Remarks of the HOD:

—


Signature of HOD

ECE Department.
St. Anne's College of Engineering & Technology
ANGUCHETTIPALAYAM,
Siruvathur-Post, Paluruli-T.N.
Cuddalore-Dist. 607 416

SECOND REVIEW APPROVAL

Date of Review: 7.4.25

Supervisor Remarks:

Seminar Presentation Material was shown by the student's on 7.4.25. I have gone through the progress of the work and the presentation. The suggestions given in the first review and by the guide/coordinator/review member/HOD were incorporated in the presentation.

Recommended for Presentation: Yes / No





Project Guide Signature

SECOND REVIEW EVALUATION SHEET

S.NO.	Register No	Name of the Student	Mark Allocation				
			Technical Content	Presentation	Progress in Project	Result and Innovation	Total
			25	25	25	25	100
1.	422121106007	ASHWIN A	23	23	24	24	94
2.	422121106036	SURIYA R	24	24	23	23	94
3.	422121106026	RAGHUNATH A	23	24	23	24	94
4.	422121106029	SANJAI S	24	23	24	23	94

Remarks of the Evaluators (Comments and Major Weaknesses Identified):

FEEDBACKS

DATE/ DAY	MEMBERS	COMMENTS	SIGNATURE
7.4.25	Panel member I (Project Guide)	* The usage of Gas level sensor & its impact on the Poulter farm has to be updated.	
	Panel member II (Project Coordinator)	* The usage of AI in the Poulter management has to be clearly stated.	
	Panel Member III (Review Member)	* The Servo motor connected with the feed level sensor should be updated based on Thrust Vals.	

Remarks of the HOD:

—


Signature of HOD

EOE Department,
St. Anne's College of Engineering & Technology,
ANGICHETTIPALAYAM,
Sivvathur Post, Palani Dist.,
Quddalore-Dist. 626 002

THIRD REVIEW APPROVAL

Date of Review: 20.05.25

Supervisor Remarks:

Project report/Seminar Presentation Material was shown by the student's on 20.05.25. I have gone through the progress of the work and the presentation. The suggestions given in the second review and by the project guide guide/coordinator/review member/HOD were incorporated in the presentation. Subsequently I have verified the project report chapter wise and it is prepared as per Anna University guidelines.

Recommended for Presentation: Yes / No





Project Guide Signature

THIRD REVIEW EVALUATION SHEET

S.NO.	Register No	Name of the Student	Mark Allocation				
			Technical Content	Presentation	Project Report	Result and Innovation	Total
			25	25	25	25	100
1.	422121106007	ASHWIN A	24	25	24	25	98
2.	422121106036	SURIYA R	25	24	25	24	98
3.	422121106026	RAGUNATH A	25	25	24	24	98
4.	422121106029	SANJAI S	24	24	25	25	98

Remarks of the Evaluators (Comments and Major Weaknesses Identified):

COMMENTS

DATE/ DAY	MEMBERS	COMMENTS	SIGNATURE
20.5.25	Panel member I (Project Guide)	* The impact of Humidity in the Polystyrene foam has to be updated timely on UI	
	Panel member II (Project Coordinator)	* The usage of the forecasting model has to be updated. * Try to Patent the work.	
	Panel Member III (Review Member)	* The notification System can be added to the system to send a lot.	

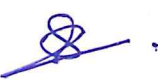




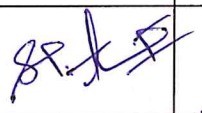








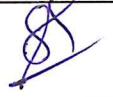
Remarks of the Evaluators

- a) Can this work be published in conference/Journal : Yes / No ✓
- b) Can this work be patented : Yes / No ✓
- c) Can this work be further enhanced for project proposal : Yes / No ✓


Signature of HOD

ECE Department,
St. Anne's College of Engineering & Technology,
ANGUCHETTIPALAYAM,
Sivathur-Post, Papanthi Taluk,

EVALUATION SHEET

Sl. No.	Student Name	Marks						Total Marks (R1+R2)			
		Zeroth Review	First Review(R1)		Second Review(R2)		Third Review(R3)				
		100	100	20	100	20	100	20	100	60	
1.	A. ASHWIN	80	88	18	94	19	98	19	20	93	44
2.	A. RAGUNATH	80	88	18	94	19	98	20		93	44
3.	S. SANJAI	80	89	18	94	19	98	20		94	44
4.	R. SURIYA	00	88	18	94	19	98	20		93	44
	Project Guide										
	Project Coordinator										
	HOD										

PROJECT DIARY
ATTENDANCE SHEET

S. No.	Student Name with Register No	Date	21	22	24	25	26	27	28	1	3	4	5	6	7	10	11			
		Month	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3		
		Period	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7		
1.	A. ASHWIN (422121106007)		/	/	/	/	a	a	a	a	a	/	/	/	/	aa	/	/	aa	
2.	S. SANJAI (422121106029)		/	/	/	/	/	/	/	a	a	/	/	/	/	/	/	/	aa	/
3.	R. SURIYA (422121106036)		a	a	/	/	a	a	a	a	a	aa	a	a	a	a	a	a	aa	
4.	A. RAGUNATH (422121106026)		/	a	/	/	/	a	/	a	/	/	/	/	/	/	/	/	aa	/
Signature of guide																				
Signature of Project Coordinator																				

S. No.	Student Name with Register No	Date	12	13	14	17	18	19	20	21	22	24	25	26	27	28	1	
		Month	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		Period	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3
1.	A. ASHWIN (422121106007)		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
2.	S. SANJAI (422121106029)		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
3.	R. SURIYA (422121106036)		aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
4.	A. RAGUNATH (422121106026)		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
Signature of guide																		
Signature of Project Coordinator																		

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