

# ST. ANNE'S

**COLLEGE OF ENGINEERING AND TECHNOLOGY**

ANGUCHETTYPALAYAM, PANRUTI – 607 110  
(Affiliated to Anna University Chennai)



**DEPARTMENT OF MECHANICAL ENGINEERING**

**UG -PROGRAMME**

**PROJECT WORK ASSESSMENT RECORD**

**SURFACE ANALYSIS AND MECHANICAL BEHAVIOUR**  
**OF POLY SILOXANE COATING ON ALLOY STEEL**  
**SUBSTRATE**

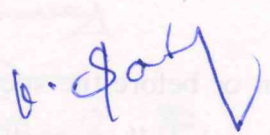
**Project Members:** (maximum number is limited to 4)

Passport size photo				
Name with initial at the end	EDWINRAJ.P	PRAAKASH.A	RAJAMANI.T	—
Register Number	422116114010	422116114026	422116114032	—
Mobile	6382186134	8939051078	9361380850	—
Email	edwinpan99@gmail.com	prakashadhi06@gmail.com	georgeaudiod10696@gmail.com	—
Signature				—

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

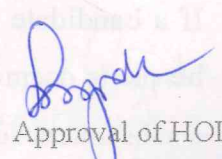
To fabricate polysiloxane composite coating on alloy steel substrate by spray process and analyze the morphology of polysiloxane composite coating by FESEM/EDS

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



Guide signature with name and designation

K. ARAVANAN  
 ASSO. PROF / MECHANICAL



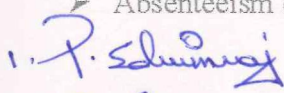
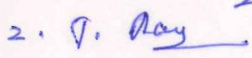

Approval of HOD

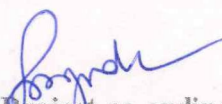
Dr. D. OMMURUGADHASAN

## **GUIDELINES FOR PROJECT WORK (2017-2018)**

- 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.
- Project title must be selected after getting approval from the respective guide and project coordinator. The project coordinator 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 and project coordinator at the beginning of each week (Monday) and get work assigned from them. The status of the assigned work should be reported at the end of the week (Friday or Saturday) to the respective guide and Project coordinator.
- 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 and project coordinator each week. This will ensure the progress of the students project work.
- The candidate interested in doing the industrial projects must get prior permission from the HOD/Institution, failing which the work will not be approved.
- A candidate may, however, in certain cases, be permitted to work on projects in an Industrial/Research Organization, on the recommendations of the HOD. In such cases, the Project work shall be jointly supervised by a supervisor of the department and an expert as a joint supervisor from the organization and the student shall be instructed to meet the supervisor periodically and to attend the review committee 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 or project coordinator will lead to reduction of 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 20 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 power point presentation and present their reviews. The presentation should be presented to their respective guides in advance.
- Each presentation will be for 10 minutes (to be decided by the project committee at the initial stages and 20 for the final stages including a demonstration.
- A report in *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 Power point presentation must not be submitted as the Project Report.
- Marks are awarded to each student of the project group based on the individual performance in the reviews.
- 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/Thesis to be prepared as per the guidelines and format given by Anna University.
- Absenteeism of reviews will not be entertained for any reasons.

1.   
 2.   
 3.   
 Signature of Students

  
 Signature of Project co-ordinator  
 Dr. D. OMMURUGADASAN.

**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	Detailed Design	Overall Design
Literature Survey	Flow chart, Algorithms (if necessary)	Contribution of the candidate	Experimental Results
Proposed System	Expected outcomes	Results obtained (intermediate)	Performance Evaluation
References	30% of Project Implementation	80% of Project Implementation	Contribution of the Project
	References	References	References
			100% of Project implementation - Demo

**Note:**

- ✓ The presentation should have maximum of 10 – 15 slides
- ✓ Presentation will be for 10 minutes
- ✓ All three reviews are compulsory.

*[Faint signature and text, possibly a stamp]*

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**PROJECT DIARY**

A. Action Plan						
Sl. No.	Major activities	Target date	Actual date	Reason for the delay if any	Remarks	Signature of guide
1.	Selection of materials	24.1.20	24.1.20	-	NU	b. S. 24/1/20
2.	Purchasing of materials and preparation of POLYCYCLOXANE	24.1.20	24.1.20	-	NU	b. S. 24/1/20
3.	Preparation of coating material	25.1.20	25.1.20	-	NU	b. S. 25/1/20
4.	Experiment Set up	1.2.20	1.2.20	-	NU	b. S. 1/2/20
5.	Apply Coating.	7.2.20	7.2.20	-	NU	b. S. 7/2/20
6.	Testing FESEM / EDS	14.2.20	14.2.20	-	NU	b. S. 14/2/20
7.	Testing nano hardness vickers	21.2.20	21.2.20	-	NU	b. S. 21/2/20
8.	Report - Rough copy.	07.03.20	07.03.20	-	NU	K. S. 07/03/20
9.	Final report with PPT	14.03.20	14.03.20	-	NU	K. S.

Date: 14.03.2020

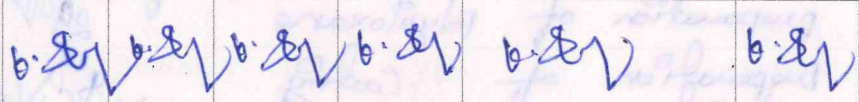
Signature of the Guide

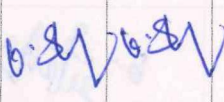
Mr. K. SARAVANAN.



## PROJECT DIARY

### B. ATTENDANCE

Name of the student	Attendance						Remarks
	Date						
	28.2.20 8 hrs	29.2.20 8 hrs	05.3.20 8 hrs	06.03.20 8 hrs	07.03.20 8 hrs	12.03.20 8 hrs	
P. Edwinraj	/	/	/	/	/	/	AB
A. Prakash	/	/	/	/	/	/	
T. Rajamani	/	/	/	/	/	/	
Signature of guide							

Name of the student	Attendance						Remarks
	Date						
	13.03.20 8 hrs	14.3.20 8 hrs					
P. Edwinraj	/	/					
A. Prakash	/	/					
T. Rajamani	/	/					
Signature of guide							

Name of the student	Attendance						Remarks
	Date						
Signature of guide							



PROJECT DIARY

C. PROGRESS OF THE WORK

Date	Details of work done	Signature of guide	Remarks
04.1.20	Selection of materials	B. S. J. 04/1/20	NK
24.1.20	Purchasing of materials and preparation of Polystyrene	B. S. J. 24/1/20	NK
25.1.20	Preparation of Coating material	B. S. J. 25/1/20	NK
1.2.20	Experiment	B. S. J. 1/2/20	NK
7.2.20	Apply Coating	B. S. J. 7/2/20	NK
14.2.20	Testing FESEM/EDS	B. S. J. 14/2/20	NK
21.2.20	Testing nano hardness vickers	B. S. J. 21/2/20	NK
07.3.20	Report - Rough copy.	K. S. J. 07/3/20	NK

**ZEROth REVIEW**

**GUIDELINES**

Date of Review: 11/01/20

Supervisor Remarks:

Seminar Presentation Material was shown by the students' on 10/01/20. 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**

*B. S. S. S. S.*  
Supervisor Signature

**ZEROth REVIEW EVALUATION SHEET**

S.NO.	Name of the Student	Register No	Mark Allocation				
			Literature Review	Technical Content	Innovation	Presentation	Total
			30	30	20	20	100
1.	P. Edwinraj	422116114010	30	30	20	20	100
2.	A. Prakash	422116114026	30	30	20	19	99
3.	T. Rajamani	422116114032	AB	AB	AB	AB	AB
4.	-	-	-	-	-	-	-

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

Signature of the Evaluators

- Mr. A. RICHARD PRAVIN *[Signature]*
- Mrs. ASHATHUNNISA *[Signature]*

Project Coordinator

*[Signature]*  
Dr. D. SUNDARARAJAN

*[Signature]*  
14.2.2020

Dr. R. AROKIADASS, M.E., Ph.D.,  
Principal,  
St. Anne's College of Engineering & Technology,  
ANCHIETTYPALAYAM.

**FEEDBACKS**

DATE/ DAY	MEMBERS	FEEDBACK	SIGNATURE
11-01-20	Panel member I [Redacted] MR. RICHARD PRAVIN ASP/EEE	Improve Presentation.	[Signature]
	Panel member II [Redacted] MRS. AS MATHUNNISA AP/CSE	<ul style="list-style-type: none"> <li>Present the content of the slides legibly.</li> <li>Improve presentation skills.</li> </ul>	[Signature] 11/1/20
	Panel Member III (Project Coordinator) DR. D. OMMURU RADHSON	advised to complete 50% of work in first review and to improve the presentation skill.	[Signature] 11/1/20

Remarks of the HOD:

[Signature]  
Signature of HOD

### FIRST REVIEW APPROVAL

Date of Review: 14.02.2020

Supervisor Remarks:

Seminar Presentation Material was shown by the students on 13.02.2020. I have gone through the progress of the work and the presentation. The suggestions given in the zeroth review and by the supervisor were incorporated in the presentation.

RECOMMENDED FOR PRESENTATION YES

Supervisor Signature

### FIRST REVIEW EVALUATION SHEET

S.NO.	Name of the Student	Register No	Mark Allocation					Review - I
			Technical Content	Presentation	Progress in Project	Result and Innovation	Total	
			30	30	20	20	100	(5)
1.	P. Edwinraj	422116114010	30	30	20	20	100	5
2.	A. Prakash	422116114026	30	30	20	19	99	4.95
3.	T. Rajamani	422116114032	30	30	20	19	99	4.95
4.	—	—	—	—	—	—	—	—

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

Signature of the Evaluators


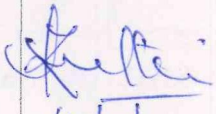
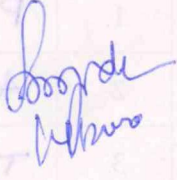
- MR. A. RICHARD PRASAD
- MRS. ASHATHUNNA

Project Coordinator

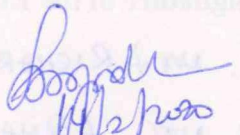
Dr. D. SHANMUGA

Dr. R. AROKIADESS, M.E., Ph.D.,  
Principal,  
St. Anne's College of Engineering & Technology,  
ANGUCHETTPALAYAM,  
Siruvathur-(Post), Panruti-(T.k),  
Cuddalore-(Dist), Pin: 607 110.

## FEEDBACKS

DATE/ DAY	MEMBERS	FEEDBACK	SIGNATURE
	Panel member I  MR. RICHARD PRAVIN ASP/BEE	Explain the Cultural Content  —	
14.02.20	Panel member II  MRS. ASHATHUNNISA AP/CSC	• Improve presentation by acquiring deep knowledge about the project.	 14/2/2020
	Panel Member III (Project Coordinator)  DR. D. OMMURTHANESAN	Batch members advised to Complete as earlier as possible. Explanation should be given clearly without turning to the side of slides	

Remarks of the HOD: —

  
Signature of HOD

SECOND REVIEW APPROVAL

Date of Review: 07.03.2020

Supervisor Remarks:

Seminar Presentation Material was shown by the students on 06.03.2020. I have gone through the progress of the work and the presentation. The suggestions given in the first review and by the supervisor were incorporated in the presentation

RECOMMENDED FOR PRESENTATION **YES**

*K. S. S.*  
06/03/20  
Supervisor Signature

SECOND REVIEW EVALUATION SHEET

S.NO.	Name of the Student	Register No	Mark Allocation					Review - II
			Technical Content	Presentation	Progress in Project	Result and Innovation	Total	
			30	30	20	20	100	(7.5)
1.	P. Edwinraj	A22116114010	30	30	20	20	100	7.5
2.	A. prakash	A22116114026	30	30	20	19	99	7.42
3.	T. Rajamani	A22116114032	30	30	20	19	99	7.42
4.	-	-	-	-	-	-	-	

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

Signature of the Evaluators

1. Mr. A. Richard praveen *Richard*

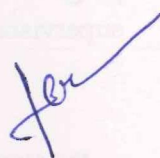

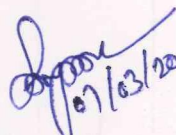
2. Mrs. Asmathumisa *Asmathumisa*

Project Coordinator

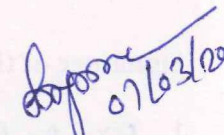
*D. S. S.*  
07/03/20  
Dr. D. Sureshadasan

*R. Aradiadass*  
21/3/20  
**Dr. R. AROKIADASS, M.E., Ph.D.,**  
Principal,  
St. Anne's College of Engineering & Technology,  
ANGUCHETYPALAYAM,  
Chinnathur (Dist) Panruti-T.Kl.

**FEEDBACKS**

DATE/ DAY	MEMBERS	FEEDBACK	SIGNATURE
07.03.2020	Panel member I Mr. A. Richard AP/EEE	Improve presentation skills	
	Panel member II Mrs. As Mathkunnisa AP/CSE	Need more explanation for Questions	
	Panel Member III (Project Coordinator) Dr. D. S. M. V. G. D. H. S.	—	 07/03/20

Remarks of the HOD: —

  
07/03/20  
Signature of HOD

**THIRD REVIEW APPROVAL**

Date of Review: 14.03.2020

Supervisor Remarks:

Project report/Seminar Presentation Material was shown by the students on 13.03.2020 I have gone through the progress of the work and the presentation. The suggestions given in the second review and by the supervisor were incorporated in the presentation. Subsequently I have verified the project report chapter wise and it is prepared as per Anna University guidelines.

*K. S. S.*  
13/3/20

RECOMMENDED FOR PRESENTATION **YES**

Supervisor Signature

**THIRD REVIEW EVALUATION SHEET**

S.NO.	Name of the Student	Register No	Mark Allocation					Review - III
			Technical Content	Presentation	Project Report	Result and Innovation	Total	
			30	30	20	20	100	(7.5)
1.	P. Edwinraj		30	30	20	20	100	7.5
2.	A. Prakash		30	30	20	15	95	7.12
3.	T. Rajamani		30	30	20	10	90	6.75
4.	-	-	-	-	-	-	-	-

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

Signature of the Evaluators

Project Coordinator



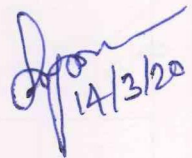
1. Mr. A. Richard Prasad *[Signature]*
2. Mrs. Asmathunisa *[Signature]*

*[Signature]*  
14/3/20

*[Signature]*  
14/3/20  
**DR. R. AROKIADASS, M.E., Ph.D.,**  
Principal,  
St. Anne's College of Engineering & Technology,  
ANGUCHETTYPALAYAM,  
Siruvathur-(Post), Panruti-(T.k),  
Cuddalore-(Dist), Pin: 607 110.



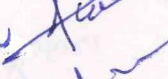

COMMENTS

DATE/ DAY	MEMBERS	COMMENTS	SIGNATURE
	Panel member I Mr. A. Richard pravin	—	
14.3.20	Panel member II Mrs. Asmathunnisa	need more Improvement on presentation skills	
	Panel Member III (Project Coordinator) Dr. P. Omurugachasan	—	 14/3/20

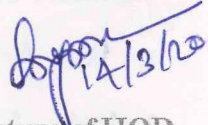
Remarks of the Evaluators

- 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 the Evaluators

1. Mr. A. Richard pravin 
2. Mrs. Asmathunnisa 

Project Coordinator

  
14/3/20  
Signature of HOD