

# **Government College of Engineering, Salem- 11**

*(An Autonomous Institution affiliated to Anna University, Chennai)*



## ***SELF-STUDY REPORT***



### **CRITERION 1**

**1.3.3 Percentage of programmes that have components of field projects / research projects / internships during the last five years.**

*(Submitted to National Assessment and Accreditation Council)*

## **Self Declaration**

This is to certify that the supporting documents for this metric exceed the 5MB upload limit. Therefore, links to sample documents and some samples are provided in the following pages. Any/all Supporting documents will be provided, if required. All links, documents and images are verified and authenticated.



**IQAC – Chairperson**

**Internal Quality Assurance Cell  
Govt. College of Engineering  
Salem - 636 011.**

**1.3.3 Percentage of programmes that have components of field projects / research projects / internships during the last five years (from 2018 – 2019 to 2022-2023).**

1.3.3.1: Total Number of programmes that have components of field projects / research projects / internships (without repeat count) during the last five years (from 2018 – 2019 to 2022-2023)	<b>12</b>
1.3.3.2: Total Number of programmes offered (without repeat count) during the last five years (from 2018 – 2019 to 2022-2023)	<b>12</b>

**Percentage of programmes that have components of field projects / research projects / internships during the last five years.**

$$= \frac{\text{Total Number of Programs that have components of field projects research projects, interships during the last five years}}{\text{Total Number of Programmes offered during the last five years}} \times 100$$

$$= \frac{12}{12} \times 100$$

$$= 100\%$$

  
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**Total Number of programmes that have components of field projects / research projects / internships (without repeat count) during the last five years (from 2018 – 2019 to 2022-2023)**

<b>S.No.</b>	<b>Name of the Programme</b>	<b>Internships/Research Project</b>
1.	Civil Engineering	Internship = 6 Nos
2.	Mechanical Engineering	
3.	Electrical and Electronics Engineering	
4.	Metallurgical Engineering	
5.	Electronics and Communication Engineering	
6.	Computer Science and Engineering	
7.	Structural Engineering	Research Project = 6 Nos
8.	Computer Aided Design	
9.	Thermal Engineering	
10.	Power Electronics and Drives	
11.	Welding Technology	
12.	Communication systems	
<b>Total Number of Programmes</b>		<b>12</b>

  
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 SALEM-636 011

**Supporting Document**

**1.3.3 / Link 1**

**Sample/Reference for Field project/Research project/Internships:**

**Field projects / Research projects / Internships**



**Sample/Reference for Field project/Research project/Internships:**

**Field projects / Research projects / Internships**

ಇಂಡಿಯನ್ ಎಂಜಿನ್/ಇಂಜಿನ್ ವಿಭಾಗ/ENGINE DIVISION  
ಬೆಂಗಳೂರು ಕಾಂಪ್ಲೆಕ್ಸ್ /ಬೆಂಗಳೂರು ಕಾಂಪ್ಲೆಕ್ಸ್/BANGALORE COMPLEX  
ಹಿಂದುಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್  
HINDUSTAN AERONAUTICS LIMITED



ಇಂಡಿಯನ್ ಎಂಜಿನ್ ವಿಭಾಗ, ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್  
ಬೆಂಗಳೂರು 560 093, ಕರ್ನಾಟಕ  
Post Bag No 9310, Bengaluru - 560093, India  
Ph: 91-80-  
Fax: 91-80-


E/HR/Internship/2022

05-01-2022

**CERTIFICATE**

This is to certify that Mr. Diwakar M K, B.E (Mechanical Engineering) Student of Government College of Engineering, Selam, Tamil Nadu has successfully completed his Internship in Management Services Department, Engine Division, Hindustan Aeronautics Limited (Bangalore Complex), Bengaluru -560 093, during the period from 06-12-2021 to 05-01-2022 on No-Pay No-Fee Basis.

(This Certificate is issued for academic purpose only)

  
(Dr. PRIYANKA PRALHAD GOTIPAMUL)  
DY. MANAGER (HR) – PM, TM & ERM

ನೋಂದಾಯಿತ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ  
पंजीकृत कार्यालय : 15 /1, कबबन रोड, बेंगलूरु - 560 001, भारत  
Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India  
CIN: U35301KA1963GOI001622

www.hal-india.co.in

Sample/Reference for Field project/Research project/Internships:

Field projects / Research projects / Internships



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड  
STEEL AUTHORITY OF INDIA LIMITED  
सोलम इस्पात संयंत्र  
SALEM STEEL PLANT

Ref No TR-15(4) / 034621/511

03/01/2022

*Certificate*

Certified that *Shri DINESH KUMAR S, BE MECH, III year student of GOVERNMENT COLLEGE OF ENGINEERING SALEM* has undergone Internship Training in the area of *MECHANICAL MAINTENANCE* at Salem Steel Plant during the period from *20/12/2021 to 02/01/2022.*



R VENKATACHALAPATHY  
GM(TA,EM&HRD)

सोलम - 838 013 तमिलनाडु दूरभाष : 0427-238 3021 फॅक्स : 0427-238 2800 ई-मेल : genladmn@sailssp.in वेबसाईट : www.sail.co.in  
Salem-838 013 Tamil Nadu Phone : 0427-238 3021 Fax : 0427-238 2800 E-mail : genladmn@sailssp.in Website : www.sail.co.in

हर किसी की ज़िन्दगी से जुड़ा हुआ है सैल

There's a little bit of SAIL in everybody's life

**Sample/Reference for Field project/Research project/Internships:**

**Field projects / Research projects / Internships**

Exposys  
Data Labs



**Certificate of Internship**

**TO WHOM IT MAY CONCERN**

This is to certify that **Mr. VIKRAM R** has completed internship programme on **“Web Developer”** from 08.09.2022 to 07.10.2022.

He took keen interest in the work assigned and successfully completed it. During the period of internship, we found him to be punctual, hardworking and inquisitive.

We wish him luck and success in all his future endeavours.

**Y Vishnuvardhan**  
Chief Director




lr@exposysdata.com  
www.exposysdata.com



Sample/Reference for Field project/Research project/Internships:

Field projects / Research projects / Internships


**TAMILNADU GENERATION AND DISTRIBUTION CORPORATION LIMITED**  
( Subsidiary of TNEB Ltd., )



**METTUR THERMAL POWER STATION-I**  
**INTERNSHIP TRAINING CERTIFICATE**

*This is to certify that Thiru / Ms. D RAJATHI THIRD year*  
*B.E / EEE of GOVERNMENT ' COLLEGE OF ENGINEERING,*  
*SALEM. has undergone Internship Training Programme at*  
*Mettur Thermal Power Station, Mettur Dam From 10.08.2022 To 14.09.2022*

*D. Rajathi*  
Signature of the student



*Sankaranarayanan*  
**EXECUTIVE ENGINEER**  
Training and Environment / MITPS-I, Mettur Dam.

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**Sample/Reference for Field project/Research project/Internships:**

**Field projects / Research projects / Internships**

**GOVERNMENT COLLEGE OF ENGINEERING**


**SALEM – 11**

(An Autonomous Institution Affiliated to Anna University, Chennai)

**BONAFIDE CERTIFICATE**

Certified that this project report “EXPERIMENTAL STUDY ON THE PARTIAL REPLACEMENT OF CEMENT BY COAL BOTTOM ASH WITH ADDITION OF SISAL FIBRE IN CONCRETE” is the bonafide work of CHITHRA M(Reg. No. 61772113002)who carried out the Phase-II project under my supervision.


  
21/10/2023  
SUPERVISOR  
**Dr. K. SUDHA, M.E (Structures), Ph.D.**  
Associate Professor in Civil Engineering,  
Government College of Engineering,  
Salem - 636 011.

  
PROFESSOR & HEAD OF THE  
DEPARTMENT

Dr D SHOBA RAJKUMAR, M.E., Ph.D.  
Professor and Head,  
Department of Civil Engineering,  
Government College of Engineering  
SALEM - 636 011

Submitted for the Phase-II viva-voce Examination held on..03.11.2023

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER

**Sample/Reference for Field project/Research project/Internships:**

**Field projects / Research projects / Internships**

DEPARTMENT OF MECHANICAL ENGINEERING

**GOVERNMENT COLLEGE OF ENGINEERING**

(An Autonomous Institution Affiliated to Anna University, Chennai)

Salem - 636 011

DISSERTATION PHASE I

MARCH 2023

This is to certify that this project work entitled

**EXPERIMENTAL ANALYSIS ON ENHANCEMENT  
OF HEAT TRANSFER IN COMPACT HEAT  
EXCHANGER USING NANO PARTICLES**

is the bonafide record of project work done by

**MURALISHANKAR A** (Register Number: 61772153202)

of M.E. Thermal Engineering during the year 2021-2023

Project Guide

**Dr. S. SIVALAKSHMI Ph.D.,**

Head of the Department

**Dr. T. BALUSAMY Ph.D.,**

Submitted for the dissertation phase I Viva -Voce examination held on 27/2/23 FN

Internal Examiner

External Examiner

**Sample/Reference for Field project/Research project/Internships:**

**Field projects / Research projects / Internships**

# *Certificate of Publication*

INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY



The Board of  
International Journal Of Innovative Research In Technology  
is hereby awarding this certificate

**BRINDHA R**

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TECHNIQUES FOR DOWNLINK UPLINK DECOUPLING***

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Volume 9 Issue 10 March 2023

**PAPER ID: 158845**

*Keyhal Mishra*  
**EDITOR IN CHIEF**

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**Sample/Reference for Field project/Research project/Internships:**

**Field projects / Research projects / Internships**



**Sample/Reference for Field project/Research project/Internships:**

**Field projects / Research projects / Internships**

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This is to certify that the paper titled

Experimental Investigation Of Mechanical Characterization On Hybrid Natural Fibers Reinforced Polymer Composites

Authored by  
Harihara. S  
From  
Government College of Engineering, Salem (India))

Has been published in  
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**Teresa Gallart**  
Editor-in-Chief  
Gradiva Review Journal

