

**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
ENGINEERING**

PROJECT BATCH ALLOCATION:

STUDENT NAME	PROJECT TITLE	SUPERVISOR NAME
N. Avinash K.Swastik Kumar S. Vasanth Raj	Smart Solar Panel Cleaner	S.Kavitha
S.Ranjana	Smart Hydroponics System for Terrace Farming	L.V.Revathi
V.Harihara Puthran K.Sujan	Automation in Plastic Bag Industries	J.Uma Maheshwari
MU.Nandhini	Design and Development of Instrumentation for Evaluating the Torsion Strength of Dental Implants	Dr. A. Rajavel
G.Ashok Pandian K.Srihariharan A.Vishwanath	Automatic Land Slide Detection	Dr. S. Jeyadevi


04/3/23
Staff Incharge


HoD/EIE

SMART SOLAR PANEL CLEANER
PROJECT REPORT

Submitted by

AVINASH N (920419107002)
SWASTIK KUMAR K (920419107009)
VASANTHRAJ S (920419107010)

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND INSTRUMENTATION ENGINEERING



**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
ENGINEERING**
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution-Affiliated to Anna University, Chennai)
K.VELLAKULAM-625 701 (Near Virudhunagar)

APRIL 2023

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution-Affiliated to Anna University, Chennai)

K.VELLAKULAM-625701(Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that the project report "SMART SOLAR PANEL CLEANER" is the bonafide work of "AVINASH N (920419107002), SWASTIK KUMAR K (9204109107009) & VASANTHRAJ S (920419107010)" who carried out the project work under my supervision.



SIGNATURE

Dr. D. Prince Winston, M.E., Ph.D.,
Head of the Department,
Professor,
Department of Electronics and
Instrumentation Engineering,
Kamaraj College of Engg &Tech,
K.Vellakulam, Near Virudhunagar



SIGNATURE

Ms. S.Kavitha, M.E.,(Ph.D)
Supervisor,
Assistant Professor,
Department of Electronics and
Instrumentation Engineering,
Kamaraj College of Engg &Tech,
K. Vellakulam, Near Virudhunagar



INTERNAL EXAMINER



EXTERNAL EXAMIER

SMART HYDROPONICS SYSTEM FOR TERRACE FARMING

A PROJECT REPORT

Submitted by

RANJANA S (920419107005)

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND INSTRUMENTATION ENGINEERING



**DEPARTMENT OF ELECTRONICS AND
INSTRUMENTATION ENGINEERING**



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution - Affiliated to Anna University, Chennai)
K.VELLAKULAM, VIRUDHUNAGAR - 626001

APRIL 2023


KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

K.VELLAKULAM, VIRUDHUNAGAR - 626 001

BONAFIDE CERTIFICATE

Certified that the project report "SMART HYDROPONICS SYSTEM FOR TERRACE FARMING" is the bonafide work of "S. RANJANA (920419107005)" who carried out the project work under my supervision.

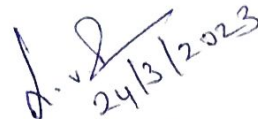


SIGNATURE

Dr. D. Prince Winston,
Head of the Department,
Professor,
Dept. of Electronics and
Instrumentation Engineering ,
Kamaraj College of Engg & Tech,
K.Vellakulam,
Virudhunagar - 626 001.




INTERNAL EXAMINER



SIGNATURE

Mrs. L.V. Revathi,
SUPERVISOR ,
Assistant Professor,
Dept. of Electronics and
Instrumentation Engineering ,
Kamaraj College of Engg & Tech,
K.Vellakulam,
Virudhunagar - 626 001.



EXTERNAL EXAMINER

AUTOMATION IN PLASTIC BAG INDUSTRY

PROJECT REPORT

Submitted by

HARIHARAPUTHRAN V (920419107003)

SUJAN K (920419107008)

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND INSTRUMENTATION ENGINEERING



**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
ENGINEERING**

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution - Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

APRIL 2023

**KAMARAJ COLLEGE OF ENGINEERING AND
TECHNOLOGY**

(An Autonomous Institution- Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that the project report "AUTOMATION IN PLASTIC BAG INDUSTRY" is the bonafide work of "HARIHARAPUTHRAN V (920419107003) & SUJAN K (920419107008)" who carried out the project work under my supervision.



SIGNATURE

Dr.D.Prince Winston M.E., Ph.D.,

PROFESSOR

Head of the Department
Department of Electronics and
Instrumentation Engineering
Kamaraj College of Engg & Tech
K.Vellakulam, Near Virudhunagar

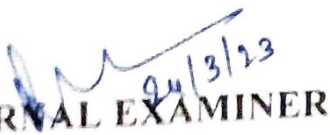


SIGNATURE

Mrs. J. Uma Maheswari M.E.,AP/EIE.,

SUPERVISOR

Assistant Professor
Department of Electronics and
Instrumentation Engineering
Kamaraj College of Engg & Tech
K.Vellakulam, Near Virudhunagar



INTERNAL EXAMINER



EXTERNAL EXAMINER



Cell : 94862 - 03152
Off : 94874 - 89157, 94864 - 44619
E-mail : nagalingamprabha@gmail.com

SRI RAAMJI GRAVURE

61-F, GANDHI ROAD, SIVAKASI - 626 123.

MFRS : GRAVURE PRINTED POUCH MAKING

Date : 22-03-2023

CERTIFICATE

This is to certify that the following final year B.E (Electronics & Instrumentation) engineering students of Kamaraj College of Engineering & Technology ,Virudhunagar have undergone final year project work in our firm at Sivakasi from 2nd January 2023 to 15th March 2023 under the title "Automation in plastic bag industry".

1.V.Harihara puthran

(Reg.No.920419107003)

2.K.Sujan

(Reg.No.920419107008)

During the above said period they took enough initiatives in learning on various activities exposed to them and were very much keen on making their project successfully.

Their character and conduct during the period was good.

We wish them all success.

SRI RAAMJI GRAVURE

Proprietor

Signature,

**DESIGN AND DEVELOPMENT OF INSTRUMENT FOR EVALUATING
THE TORSION STRENGTH OF DENTAL IMPLANTS**
A PROJECT REPORT

Submitted by

MU. NANDHINI (920419107004)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND INSTRUMENTATION ENGINEERING



**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
ENGINEERING**

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution-Affiliated to Anna University, Chennai)

K.VELLAKULAM-625 701 (Near Virudhunagar)

APRIL 2023

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution - Affiliated to Anna University, Chennai)

K. VELLAKULAM, VIRUDHUNAGAR - 626 001

BONAFIDE CERTIFICATE

Certified that this Project report “**DESIGN AND DEVELOPMENT OF INSTRUMENT FOR EVALUATING THE TORSION STRENGTH OF DENTAL IMPLANTS**” is the bonafide work of “**MU. NANDHINI (920419107004)**” who carried out the project work under my supervision.



SIGNATURE

Dr.D. Prince Winston
Professor
Head of the Department
Department of Electronics and
Instrumentation Engineering
Kamaraj College of Engineering
&Technology,
K.Vellakulam,
Virudhunagar - 626 001.

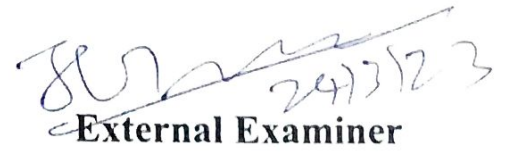


SIGNATURE

Dr. A. Rajavel
SUPERVISOR
Assistant Professor
Department of Electronics and
Instrumentation Engineering
Kamaraj College Of Engineering
& Technology,
K.Vellakulam,
Virudhunagar - 626 001.



Internal Examiner



External Examiner

GSTIN No. : 33BPQPK9028EIQ0

OCTA ENGINEERING ENTERPRISES

No.105 C-1, Annalappen Street, Nallampalayam, Genapathy,
Colmbatore - 641006 Tamil Nadu Mob : 98422- 99341,99437 53062

Certificate

This is to certify that **Mu. Nandhini** from Department of Electronics and Instrumentation Engineering, Kamraj College of Engineering and Technology, Madurai has undergone internship program at the esteemed concern between November 2, 2022 and March 3, 2023.

During her internship, she displayed enthusiasm and self-motivation in completing the project.

We wish her all success in the future endeavours.

For OCTA ENGINEERING ENTERPRISES


PROPRIETOR

**AUTOMATIC LANDSLIDE DETECTION
PROJECT REPORT**

Submitted by

**ASHOK PANDIAN G (920419107001)
SRI HARIHARAN K (920419107007)
VISHWANATH A (920419107011)**

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND INSTRUMENTATION ENGINEERING



**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
ENGINEERING**

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution-Affiliated to Anna University, Chennai)

K.VELLAKULAM-625 701 (Near Virudhunagar)

APRIL 2023

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution-Affiliated to Anna University, Chennai)

K.VELLAKULAM-625701(Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that the project report "AUTOMATIC LANDSLIDE DETECTION" is the bonafide work of "ASHOKPANDIAN G (920419107001), SRI HARIHARAN K (9204109107007) & VISHWANATH A (920419107011)" who carried out the project work under my supervision.



SIGNATURE

Dr. D. Prince Winston, M.E., Ph.D.,

Head of the Department,

PROFESSOR,

Department of Electronics and

Instrumentation Engineering,

Kamaraj College of Engg &Tech,

K.Vellakulam, Near Virudhunagar



SIGNATURE

Dr. S.JEYADEVI ,M.E.,Ph.D.,

SUPERVISOR,

Professor,

Department of Electronics and

Instrumentation Engineering,

Kamaraj College of Engg &Tech,

K. Vellakulam, Near Virudhunagar



INTERNAL EXAMINER



EXTERNAL EXAMIER



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
ENGINEERING**

LIST OF STUDENTS ATTENDED INTERNSHIP

S.no	Name of the Student	Company Name	Dates
1.	S.Vishwa	SARA Equipment's, Coimbatore	15.06.2023 to 30.06.2023
2.	S.Kirubakaran		
3.	T.Ashok Kumar		

A handwritten signature in red ink, appearing to be 'D. ...', positioned above the title 'HoD/EIE'.

HoD/EIE



16 Plot no-304D, RR Industrial Estate, Singanallur, Coimbatore-641005

GST:33FEOPS9932G1ZU/ UDYAM-TN-03-0033521

(Manufacturer Of Conveyors, SPM, Material Handeling Equipments, Rack & Bins Etc.),

CERTIFICATE

OF COMPLETION

presented to :

VISHWA.S

Department of Electronics and Instrumentation Engineering
Kamaraj College Of Engineering & Technology

has successfully Completed Internship in our Concern and learned about
Material Handeling Systems and Industrial Automation.

[from 15.06.2023 to 30.06.2023]

Director

Managing Director





16 Plot no-304D, RR Industrial Estate, Singanallur, Coimbatore-641005
GST:33FEOPS9932G1ZU/ UDYAM-TN-03-0033521

(Manufacturer Of Conveyors, SPM, Material Handeling Equipments, Rack & Bins Etc.),

CERTIFICATE

OF COMPLETION

presented to :

KIRUBAKARN.S

Department of Electronics and Instrumentation Engineering
Kamaraj College Of Engineering & Technology

has successfully Completed Internship in our Concern and learned about
Material Handeling Systems and Industrial Automation.
[from 15.06.2023 to 30.06.2023]

Director

Managing Director





16 Plot no-304D, RR Industrial Estate, Singanallur, Coimbatore-641005
GST:33FEOPS9932G1ZU/ UDYAM-TN-03-0033521

(Manufacturer Of Conveyors, SPM, Material Handeling Equipments, Rack & Bins Etc.),

CERTIFICATE

OF COMPLETION

presented to :

ASHOK KUMAR.T

Department of Electronics and Instrumentation Engineering
Kamaraj College Of Engineering & Technology

has successfully Completed Internship in our Concern and learned about
Material Handeling Systems and Industrial Automation.

[from 15.06.2023 to 30.06.2023]

Director

Managing Director

