

#### MT8811 : Project Work **Batch Allocation**

Venue: SMC Laboratory Date : 24.03.2023 Session FNBAN Branch / Class : IV MTRE					
SI.	Roll	Register	Name of the	Title of the Project Work	
Vo.	Number 19UMTR006	Number 920419115301	Student	Title of the Project Norm	
1	19UMTRO18	the state of the s	Thirumalaiselva.J	Automatic Oil shell Ejection	
	APP CONTRACTOR OF STREET	920419115001	Baskara Pandi, P		
-	19UMTR028	920419115002	Santhosh.5		
,	19UMTR014	920419115003	Siva.A	Semi-automatic lubrication system in washer production	
"	19UMTR016	920419115005	Vikaash.P		
-	19UMTR032	920419115006	NarendraKumar.R	in washer production	
3	19UMTR010	920419115008	AnuAkshayaa.R M	Valet Robot	
	19UMTR029	920419115010	Devadharshini.R		
	19UMTR005	920419115007	Mohammed Ibrahim.S	1	
4	19UMTR038	920419115012	Mohammed Althaf.A	Gantry Welding Robot	
	19UMTR020	920419115011	Ragulraj.K		
	19UMTR004	920419115009	SelvaKumaravel.E		
5	19UMTR039	920419115302	Ananth.R	Adaptation in Washing Liquid	
	19UMTR035	920419115014	Solairagul.R		
	19UMTR001	920419115013	SanthoshElavarasan.D	Packaging System	
6	19UMTR002	920419115015	SabeshNovin.S	Design and Fabrication of Husk Blower	
	19UMTR030	920419115016	ManojPrabhu.M		
	19UMTR041	920419115017	NalanrajShanmugam.S		
7	19UMTR003	920419115303	Arjun.P	Al Based Solar Panel Cleaning Robot	
	19UMTR033	920419115019	JothiVenkatesh.K		
	19UMTR008	920419115018	SankaraNarayanan.S		
	19UMTR013	920419115021	Aravind.N		
8	19UMTR007	920419115020	Krishnaprakash.M	Pneumatic Cotton Feed Mechanism	
	19UMTR015		KarthickNissanth.N		
9	19UMTR011	920419115022	HariRaj.P R	Smart Vacuum Cleaner	
	19UMTR019	920419115502	Hariharan.G		
	19UMTR024	920419115023	Mohamed NazeerAnsari		
10	19UMTR009	920419115304	Sathya.K K	Computation of Length and	
	19UMTR012	920419115024	Gowtham.G	Chopping in Extrusion Process	
	19UMTR036	920419115305	Ramvenkadesh.S	Using PLC	
11	19UMTR027	920419115026	Naveenkumar.V	Design of Autonomous Line	
	19UMTR031	920419115028	Ponram.R	Following Robot for Sterilization	
	19UMTR017	920419115025	VijayaKumar.E		
12	19UMTR026	920419115030	Bawankalyan.A P	Process	
	19UMTR021	920419115027	Rama Chandru.T	An Effective Impeller design for pumps	
	19UMTR034	920419115031	Sanjeev.K		
13	19UMTR023	920419115306	Prasanna.M	Pneumatic Powered Metal Split	
	19UMTR022	920419115032	Mohamed Anas.S		
14	18UMTR036		Prithivirajan.M	Machine	
	18UMTR037		Rajaprabu.T	Design of Automatic Material handling of work piece in Punch Press	
	19UMTR037		SamuvelKingsly.I		

Internal Examiner

Dr.S.RAJESHBABU

AP/MTRE

9204: KCET

**External Examiner** 

Mr.H.RAMESH Assistant Professor/ Department of Mechatronics Engineering Thiagaraja College of Engineering, Madurai

## AUTOMATIC OIL SHELL EJECTION

#### PROJECT REPORT

#### Submitted by

BASKARA PANDI P (920419115005)
SANTHOSH S (920419115027)
THIRUMALAI SELVA J (920419115033)

In partial fulfilment for the award of the degree of

# BACHELOR OF ENGINEERING IN MECHATRONICS ENGINEERING





## DEPARTMENT OF MECHATRONICS ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM - 625 701 (Near Virudhunagar)

MARCH 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 "AUTOMATIC OIL SHELL EJECTION" is the bonafide work of "BASKARA PANDI P (920419115006), SANTHOSH S (920419115027) & THIRUMALAI SELVA (920419115033)" who carried out the project work under my supervision.

**SIGNATURE** 

Dr.K.KANNAN, M.E., M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Department of Mechatronics Engineering Department of Mechatronics Engineering

Kamaraj College of Engineering &

Technology

K. Vellakulam, Madurai

**SIGNATURE** 

Mr.S. DAVID BLESSLEY, M.E., (Ph.D)

**SUPERVISOR** 

Assistant Professor

Kamaraj College of Engineering &

Technology

K. Vellakulam, Madurai

Submitted for the Viva Voce Examination held on 24 | 03 | 202

INTERNAL EXAMINER

GST NO: 33AMBPT1389A1ZB

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## A.E. ENGINEERING

71/2, Ramaiah Street Last Jaihindpuram,

Madurai - 625 011

E.mail ID : avengg2009-yahoo.co.in



Date: 16/03/2013

## TO WHOM IT MAY CONCERN

This is to certify that Mr.P.BASKARA PANDI of B.E. MECHATRONICS ENGINEERING from KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY had undergone project from 07.10.2022 to 10.03.2023.

Throughout the project, his overall conduct and attitude towards the work was found good. He was hardworking, punctual and committed towards the implementation of the project in industry.

Wishing Him all success for his future...



## A.E. ENGINEERING

71/2, Ramaiah Street Last Jaihindpuram.



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#### TO WHOM IT MAY CONCERN

Date: 16103/2013

This is to certify that Mr.S.SANTHOSH of B.E. MECHATRONICS ENGINEERING from KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY had undergone project from 07.10.2022 to 10.03.2023.

Throughout the project, his overall conduct and attitude towards the work was found good. He was hardworking, punctual and committed towards the implementation of the project in industry.

Wishing Him all success for his future...

For A.E. Enigineering

GST NO: 33AMBPT1389A1ZB



### A.E. ENGINEERING

71/2, Ramaiah Street Last Jaihindpuram,





Mobile: 99408 75949

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#### Date: 1610712023 TO WHOM IT MAY CONCERN

This is to certify that Mr. J.THIRUMALAI SELVA of B.E. MECHATRONICS ENGINEERING from KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY had undergone project from 07.10.2022 to 10.03.2023.

Throughout the project, his overall conduct and attitude towards the work was found good. He was hardworking, punctual and committed towards the implementation of the project in industry.

Wishing him all success for his future...

# SEMI-AUTOMATIC LUBRICATION SYSTEM IN WASHER PRODUCTION

#### PROJECT REPORT

#### Submitted by

NARENDRA KUMAR R (920419115018) SIVA A (920419115032) VIKAASH P (920419115035)

In partial fulfilment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN
MECHATRONICS ENGINEERING





DEPARTMENT OF MECHATRONICS ENGINEERING
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)
K. VELLAKULAM, VIRUDHUNAGAR - 626 001

**MARCH 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 "SEMI-AUTOMATIC LUBRICATION SYSTEM IN WASHER PRODUCTION" is the bonafide work of "NARENDRA KUMAR R (920419115018), SIVA A (920418115032) & VIKAASH P (920419115035)" who carried out the project work under my supervision.

**SIGNATURE** 

Dr. K. KANNAN, M.E., M.E., Ph.D.,

Mr. P. BALASUNDAR, M.E., (Ph.D)

HEAD OF THE DEPARTMENT

Professor

Department of Mechatronics

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Kamaraj College of Engineering &

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K. Vellakulam,

Virudhunagar - 626 001

SUPERVISOR

Assistant Professor

Department of Mechatronics

Engineering,

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K. Vellakulam,

Virudhunagar - 626 001

Submitted for the Viva Voce Examination held on \_\_

24-03 -2023

EXTERNAL EXAMINER

i



Shed No 75 , SIDCO Industrial Estate,

Kappalur, Madurai - 625 008.

Phone: 0452 - 2489860, 88838 77746.

Email: pksengineering2013@gmail.com

17.03.2023

#### CERTIFICATE OF PROJECT COMPLETION

This is to certify that Mr. R.Narendra Kumar (920419115018) a student of B.E Mechatronics Engineering from Kamaraj College of Engineering and Technology an Autonomous Institution, S.P.G. Chidambara Nadar- C. Nagammal Campus, K.Vellakullam – 625701 (Virudhunagar) has completed his project on topic "Semi – Automatic Lubrication System in Washer Production" at "PKS Engineering, Kappalur, Madurai-625008" during the period of 05-01-2023 TO 10-03-2023. During this period, his conduct and character was found to be Good.

FOR PKS ENGINEERING

TIN No. : 33635166062 | CST No. :744463 | GST No : 33ANBPP0384Q1ZN



Shed No 75, SIDCO Industrial Estate, Kappalur, Madurai - 625 008.

Phone: 0452 - 2489860, 88838 77746. Email : pksengineering2013@gmail.com

17.03.2023

#### **CERTIFICATE OF PROJECT COMPLETION**

This is to certify that Mr.A.Siva (920419115032) a student of B.E Mechatronics Engineering from Kamaraj College of Engineering and Technology an Autonomous Institution, S.P.G. Chidambara Nadar - C.Nagammal Campus, K.Vellakullam — 625701 (Virudhunagar) has completed his project on topic "Semi-Automatic Lubrication System in Washer Production" at "P.K.S Engineering, Kappalur, Madurai - 625008" during the period of 05-01-2023 TO 10-03-2023. During this period, his conduct and character was found to be Good.

FOP PKS ENGINEERING

**Authorised Sign** 

TIN No.: 33635166062 | CST No.: 744463 | GST No: 33ANBPP0384Q1ZN



Shed No 75, SIDCO Industrial Estate, Kappalur, Madurai - 625 008.

Phone: 0452 - 2489860, 88838 77746. Email : pksengineering2013@gmail.com

17.03.2023

Ror PKS ENGINEERING

#### **CERTIFICATE OF PROJECT COMPLETION**

This is to certify that Mr. P.Vikaash (920419115035) a student of B.E Mechatronics Engineering from Kamaraj College of Engineering and Technology an Autonomous Institution, S.P.G. Chidambara Nadar- C. Nagammal Campus, K.Vellakullam – 625701 (Virudhunagar) has completed his project on topic "Semi – Automatic Lubrication System in Washer Production" at "PKS Engineering, Kappalur, Madurai-625008" during the period of 05-01-2023 TO 10-03-2023. During this period, his conduct and character was found to be Good.

TIN No. : 33635166062 | CST No. :744463 | GST No : 33ANBPP0384Q1ZN

### VALET ROBOT

#### A PROJECT REPORT

Submitted by

ANU AKSHAYAA R M (920419115001)

DEVADARSHINI R (920419115007)

MOHAMMED IBRAHIM S (920419115017)

In partial fulfillment for the award of the degree of

**BACHELOR OF ENGINEERING** 

IN

MECHATRONICS ENGINEERING





DEPARTMENT OF MECHATRONICS ENGINEERING
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution - Affiliated to Anna University, Chennai)
K. VELLAKULAM, VIRUDHUNAGAR - 625 701
MARCH 2023

## KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)
K. VELLAKULAM, VIRUDHUNAGAR - 625701

## **BONAFIDE CERTIFICATE**

Certified that the project report "VALET ROBOT" is the bonafide work of "R. M. ANU AKSHAYAA(920419115001), R. DEVADARSHINI (920419115007) and S. MOHAMMED IBRAHIM (920419115017)" who carried out the project workunder my supervision.

**SIGNATURE** 

Dr.K.KANNAN

Head of the Department,

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Kamaraj College of Engg & Tech,

K. Vellakulam,

Virudhunagar - 626 001.

**SIGNATURE** 

Dr.K.KANNAN

SUPERVISOR,

Dept. of Mechatronics Engineering,

Kamaraj College of Engg & Tech,

K. Vellakulam,

Virudhunagar - 626 001.

S. M 24/8/2 INTERNAL EXAMINER

EXTERNAL EXAMINER

#### GANTRY WELDING ROBOT

#### PROJECT REPORT

#### Submitted by

MOHAMMED ALTHAF A (920419115302) RAGUL RAJ K (920419115022) SELVA KUMARAVEL E (920419115031)

In partial fulfilment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

#### **MECHATRONICS ENGINEERING**





## DEPARTMENT OF MECHATRONICS ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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K. VELLAKULAM VIRUDHUNAGAR - 625 001

**MARCH 2023** 

#### KAMARAJ COLLEGE OF ENGINEERING AND **TECHNOLOGY**

(An Autonomous Institution Affiliated to Anna University, Chennai)

#### K. VELLAKULAM, VIRUDHUNAGAR- 625 701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "GANTRY WELDING ROBOT" is the bonafide work of "MOHAMMED ALTHAF A (920419115302), RAGUL RAJ K (920418115022) & SELVA KUMARAVEL E (920419115031)" who carried out the project work under my supervision.

Dr.K.KANNAN, M.E., M.E., Ph.D.,

Mr.A.ARULKUMAR, M.E., (Ph.D)

HEAD OF THE DEPARTMENT

**SUPERVISOR** 

Professor

**Assistant Professor** 

Department of Mechatronics Engineering

Department of Mechatronics Engineering

Kamaraj College of Engineering &

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Technology

K. Vellakulam,

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Virudhunagar - 626 001

Virudhunagar - 626 001

Submitted for the Viva Voce Examination held on

INTERNAL EXAMINER

EXTERNAL EXAMINER

### ADAPTATION IN WASHING LIQUID PACKING SYSTEM

#### PROJECT REPORT

#### Submitted by

SANTHOSH ELAVARASAN.D

(920419115028)

ANANTH.R

(920419115301)

SOLAI RAGULR

(920419115306)

In partial fulfilment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

**MECHATRONICS ENGINEERING** 





## DEPARTMENT OF MECHATRONICS ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM - 625 701 (Near Virudhunagar)

**MARCH 2023** 

#### KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

#### K. VELLAKULAM - 625 701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "ADAPTATION IN WASHING LIQUID PACKING SYSTEM" is the bonafide work of "SANTHOSH ELAVARASAN D (920419115028), ANANTH R (920419115301) & SOLAI RAGUL R (920419115306)" who carried out the project work under my supervision.

**SIGNATURE** 

Dr.K.KANNAN, M.E., M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Department of Mechatronics

Engineering

Kamaraj College of Engineering &

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K. Vellakulam,

Virudhunagar – 626 001

SIGNATU

S. DAVID BLESSLEY, M.E.,(Ph.D)..,

**SUPERVISOR** 

**Assistant Professor** 

Department of Mechatronics Engineering

Kamaraj College of Engineering &

Technology

K. Vellakulam,

Virudhunagar – 626 001

Submitted for the Viva Voce Examination held on 24/03/2023

GSTIN : 33AENPB5651F1ZR

Bri Kamatchianoman Banihiyoera Swami Thunai

T 94430 67267

## SILVER CHEMICALS MFRS. DETERGENT CAKE, DETERGENT POWDER

Ref:

Date: 18/03/2023

### CERTIFICATE OF COMPLETION

This is to certify that Mr.D.SANTHOSH ELAVARASAN (920419115028) a student of B.E Mechatronics Engineering from Kamaraj College of Engineering and Technology an Autonomous Institution, S.P.G.Chidambara Nadar - C.Nagammal Campus, K. vellakullam -625701 (Virudhunagar) has completed his project on topic "ADAPTATION IN WASHING LIQUID PACKAGING SYSTEM" at "Silver Chemicals (Valayankulam, Madurai – 625022)" during the period of 22-12-2022 to 07-03-2023.

For Silver Chemicals

Old No. 1/255, New No. 1/390, Main Road, Valayankulam, Madurai - 22. E-mail : mdusilvar@yahoo.com baskarannadar1@gmail.com Bit Namadahiyannan Kanthiyaara Swami Flumai

T 94430 67267

## SILVER CHEMICALS MFRS. DETERGENT CAKE, DETERGENT POWDER

Ref :

Date: 18/03/2023

### CERTIFICATE OF COMPLETION

This is to certify that Mr.R.ANANTH (920419115301) a student of B.E Mechatronics Engineering from Kamaraj College of Engineering and Technology an Autonomous Institution, S.P.G.Chidambara Nadar - C.Nagammal Campus, K. vellakullam -625701(Virudhunagar) has completed his project on topic "ADAPTATION IN WASHING LIQUID PACKAGING SYSTEM" at "Silver Chemicals (Valayankulam, Madurai – 625022)" during the period of 22-12-2022 to 07-03-2023.

For Silver Chemicals

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But Kamatahtananan Banishtypere Separal Thursd

## SILVER CHEMICALS MFRS. DETERGENT CAKE, DETERGENT POWDER

Ref :

Date: 18/03/2023

### **CERTIFICATE OF COMPLETION**

This is to certify that Mr.R.SOLAI RAGUL(920419115306) a student of B.E Mechatronics Engineering from Kamaraj College of Engineering and Technology an Autonomous Institution, S.P.G.Chidambara Nadar - C.Nagammal Campus, K. vellakullam -625701(Virudhunagar) has completed his project on topic "ADAPTATION IN WASHING LIQUID **PACKAGING** SYSTEM" "Silver at Chemicals (Valayankulam, Madurai - 625022)" during the period of 22-12-2022 to 07-03-2023.

For Silver Chemicals

Old No. 1/255, New No. 1/390, Main Road, Valayankulam, Madurai - 22. E-mail : mdusilvar@yahoo.com baskarannadar1@gmail.com

## **DESIGN AND FABRICATION OF HUSK BLOWER**

#### A PROJECT REPORT

#### Submitted by

MANOJ PRABHU M (920419115014)

SABESH NOVIN S (920419115024)

NALANRAJ SHANMUGAM S (920419115303)

In partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

**MECHATRONICS ENGINEERING** 





DEPARTMENT OF MECHATRONICS ENGINEERING
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution - Affiliated to Anna University, Chennai)
K.VELLAKULAM, VIRUDHUNAGAR - 625 701

**MARCH 2023** 

#### KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

## (An Autonomous Institution- Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625 701

#### RONAFIDE CERTIFICATE

Certified that the project report "DESIGN AND FABRICATION OF HUSK BLOWER" is the bonafide work of "MANOJ PRABHU S (920419115014), SABESH NOVIN S (920418115024) & NALANRAJ SHNAMUGAM S (920419115303)" who carried out the project work under my supervision.

SIGNATURE

Dr. K. KANNAN,

k de

Head of the Department,

Designation,

Dept. of Mechatronics Engineering,

Kamaraj College of Engg & Tech,

K. Vellakulam,

Virudhunagar - 626 001.

**SIGNATURE** 

Mr. A. GANESAN, M.E.,

& Ju

SUPERVISOR,

Designation,

Dept. of Mechatronics Engineering,

Kamaraj College of Engg & Tech,

K. Vellakulam.

Virudhunagar - 626 001.

INTERNAL EXAMINER

EXTERNAL EXAMINER



### ARONN KINTECH ENGINEERING WORKS

#### PROJECT CERTIFICATE

Date: 20.01 2023

Place: Coimbatore

#### To Whomsoever It May Concern

This is to certify that,

Mr.MANOJ PRABHU.M (Reg.No: 920419115014) Mr.SABESH NOVIN.S (Reg.No: 920419115024)

Mr.NALANRAJ SHANMUGAM.S (Reg. No: 920419115303)

Final year Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, has undergone project at our company during the period of 20/12/2022 to 7/01/2023.

During the project execution, performance and conduct was good.

Title of the Project: Design and Fabrication of husk blower

We wish in all success in his future endeavors.

For Aronn Kintech Engineering Works

ARONN KINTECH ENGINEERING WORKS S.F.No: 488, 7/2, Annalyappar Street

Nallampalayam Colmbatore - 641006.

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7/2, Annalappan Street, Nallampalayam, Colmbatore - 641 006 GSTIN: 33ABXFA4482C1ZC aronnkintech@gmail.com

### AI BASED SOLAR PANEL CLEANING ROBOT

#### PROJECT REPORT

#### Submitted by

**ARJUN P** 

(920419115003)

JOTHI VENKATESH K

(920419115011)

SANKARANARAYANAN S

(920419115026)

In partial fulfilment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

#### **MECHATRONICS ENGINEERING**





DEPARTMENT OF MECHATRONICS ENGINEERING
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM - 625 701 (Near Virudhunagar)

**MARCH 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 "AI BASED SOLAR PANEL CLEANING ROBOT" is the bonafide work of "ARJUN P (920419115003), JOTHI VENKATESH K (920419115011) & SANKARANARAYANAN S (9201419115026)" who carried out the project work under my supervision.

**SIGNATURE** 

Dr.K.KANNAN, M.E., M.E., Ph.D.,

HEAD OF THE DEPARTMENT

**Professor** 

Dept. of Mechatronics Engineering

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K. Vellakulam, Madurai

**SIGNATURE** 

Dr.K.KANNAN, M.E., M.E., Ph.D.,

**SUPERVISOR** 

Professor & Head

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K. Vellakulam, Madurai

Submitted for the Viva Voce Examination held on 24-03-2023

INTERNAL EXAMINER

# PNEUMATIC COTTON FEED MECHANISM PROJECT REPORT

## Submitted by

ARAVIND N

920419115002

KARTHICK NISSANTH N

920419115012

KRISHNAPRAKASH M

920419115013

## In partial fulfillment for the award of the degree of



## BACHELOR OF ENGINEERING IN MECHATRONICS ENGINEERING



## DEPARTMENT OF MECHATRONICS ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND Technology

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K.VELLAKULAM - 625 701 (Near Virudhunagar)

MARCH 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 "Pneumatic Cotton Feed Mechanism" is the bonafide work of N.ARAVIND(920419115002), N.KARTHICKNISSANTH(920419115012), M.KRISHNAPRAKASH(920419115 013) who carried out the project work under my supervision.

Dr.K.KANNAN, M.E., M.E., Ph.D.,

HEAD OF THE DEPARTMENT

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K. Vellakulam, Madurai

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**SUPERVISOR** 

Dept Of Mechatronics Engineering

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K. Vellakulam, Madurai

Submitted for the Viva Voce Examination held on 24.03.202

INTERNAL EXAMINER

#### **GHCL Limited**



February 25, 2023

#### CERTIFICATE

This is to certify that Mr.N.Aravind (Reg.No.920419115002), a student of Final year B.E.Mechatronics from Kamaraj Collage of Engineering & Technology, has completed his "PNEUMATIC COTTON FEED MECHANISM" at GHCL Limited, Paravai during the period from 20.12.2022 to 20.01.2023.

We wish him all success in his future endeavor.

For GHCL Limited, Sree Meenakshi Mills, Paravai-625402. Textile mill in samayanallur, Madurai, Tamilnadu.

Bhuwneshwar Mishra

Sr. GM - Sustainability & Company Secretary (Membership No.: FCS 5330)

B- 38, GHCL House, Institutional Area, Sector- 1, Noida, (U.P.) - 201301, India, Ph. : +91-120-2535335, 4939900, Fex: +91-120-2535 209 CD: L2 4100G11983PLC006 513, E-mail shelmfo@sh cl.co.m. Website hwwwgfrione

#### **GHCL Limited**



February 25, 2023

#### CERTIFICATE

This is to certify that Mr.N.Karthick Nissanth (Reg.No.920419115012), a student of Final year B.E.Mechatronics from Kamaraj Collage of Engineering & Technology, has completed his "PNEUMATIC COTTON FEED MECHANISM" at GHCL Limited, Paravai during the period from 20.12.2022 to 20.01.2023.

We wish him all success in his future endeavor.

For GHCL Limited, Sree Meenakshi Mills, Paravai-625402. Textile mill in samayanallur, Madurai, Tamilnadu.

Bhuwneshwar Mishra

Sr. GM - Sustainability & Company Secretary (Membership No.: FCS 5330)

B- 38, GHCL House, Institutional Area, Sector- 1, Noida, (U.P.) - 201301, India, Ph. : +91-120-2535335, 4939900, Fax: +91-120-2535 209 CIN L2 4100GJ1983PLC006 513, E-mail ghelinfo@gh el eo.m., Website hwwwgfcione

#### **GHCL Limited**



February 25, 2023

#### CERTIFICATE

This is to certify that Mr.M.KrishnaPrakash (Reg.No.920419115013), a student of Final year B.E.Mechatronics from Kamaraj Collage of Engineering & Technology, has completed his "PNEUMATIC COTTON FEED MECHANISM" at GHCL Limited, Paravai during the period from 20.12.2022 to 20.01.2023.

We wish him all success in his future endeavor.

For GHCL Limited , Sree Meenakshi Mills , Paravai-625402. Textile mill in samayanallur, Madurai, Tamilnadu.

1 moures

Bhuwneshwar Mishra Sr. GM - Sustainability & Company Secretary (Membership No.: FCS 5330)

B- 38, OHCL House, Institutional Area, Sector- I, Noida, (U.P.) - 201301, India. Ph.: +91-120-2535335, 4939900. Fax. +91-120-2535 209 CIN: L2 4100GJ1983PLC006 513. E-mail: <a href="mailto:ghclurfo@ghcl.co.in">ghclurfo@ghcl.co.in</a>, Website: hwww.gfcionc

# SMART VACUUM CLEANER PROJECT REPORT

#### Submitted by

HARI HARAN G

920419115009

HARI RAJ P R

920419115010

MOHAMED NAZEER ANSARI H 920419115016

In partial fulfillment for the award of the degree of

## BACHELOR OF ENGINEERING IN MECHATRONICS ENGINEERING





DEPARTMENT OF MECHATRONICS ENGINEERING
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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

K.VELLAKULAM - 625 701 (Near Virudhunagar)

MARCH 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 "Smart Vacuum Cleaner" is the bonafide work of

G.HARI HARAN(920419115009), P.R.HARI RAJ(920419115010),

H.MOHAMED NAZEER ANSARI(920419115016) who carried out the project

work under my supervision.

SIGNATURE

Dr.K.KANNAN, M.E., M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Dept Of Mechatronics Engineering

Kamaraj College Of Engineering &

Technology

K. Vellakulam, Madurai

S. Pt 23/3/00

**SIGNATURE** 

Dr.S.RAJESHBABU M.E.Ph.D

**SUPERVISOR** 

Dept of Mechatronics Engineering

Kamaraj College Of Engineering &

Technology

K. Vellakulam, Madurai

Submitted for the Viva voce Examination held on 24.03.2023

9. 1 24/2/2

INTERNAL EXAMINER

EXTERNAL EXAMINER

#### GSTIN:33AAZFS6203Q1ZE

### SRI VENKATESHWARA BOARDS

Factory:

PETHUREDDIPATTI - 626 205.

ODAIPATTI (P.O.) SATTUR (T.K.)

VIRUDHUNAGAR DIST. TAMILNADU.

Tele Fax: (04562) 284618

Office:

174,Railway Feeder Road.

**SATTUR** - 626 203.

Virudhunagar Dist.

Ph: (04562) 260592

#### **CERTIFICATE**

Date:18-02-2023

This is to certify that Mr.H.MOHAMED NAZEER ANSARI REG.NO(920419115016) a student of B.E Mechatronics Engineering from Kamaraj College of Engineering Technology an Autonomous Institution, S.P.G.Chidambara Nadar-C.Nagammal Campus, K.vellakullam 625701(Virudhunagar) has completed his project "SMART VACUUM CLEANER" at "Sri Venkateshwara Boards" during the period FROM 20-12-2022 TO 28-01-2023.

Wishing him all success for his future.

For Srl Venkateshwara Boarge

pm

•

## SRI VENKATESHWARA BOARDS

Factory:

PETHUREDDIPATTI - 626 205.

ODAIPATTI (P.O.) SATTUR (T.K.)

VIRUDHUNAGAR DIST. TAMILNADU.

Tele Fax: (04562) 284618

Office:

174.Railway Feeder Road,

**SATTUR** - 626 203.

Virudhunagar Dist.

Ph: (04562) 260592

#### **CERTIFICATE**

Date:18-02-2023

This is to certify that Mr.P.R.HARI RAJ REG.NO(920419115010) a student of B.E Mechatronics Engineering from Kamaraj College of Engineering Technology an Autonomous Institution ,S.P.G.ChidambaraNadar - C.Nagammal Campus,K.vellakullam-625701(Virudhunagar) has completed his project "SMART VACUUM CLEANER" at "Sri Venkateshwara Boards" during the period FROM 20-12-2022 TO 28-01-2023.

Wishing him all success for his future.



#### GSTIN:33AAZFS6203Q1ZE

### SRI VENKATESHWARA BOARDS

Factory:

PETHUREDDIPATTI - 626 205.

ODAIPATTI (P.O.) SATTUR (T.K.)

VIRUDHUNAGAR DIST. TAMILNADU.

Tele Fax: (04562) 284618

Office:

174, Railway Feeder Road.

**SATTUR** - 626 203. Virudhunagar Dist. Ph : (04562) 260592

#### CERTIFICATE

Date:18-02-2023

This is to certify that Mr.G.HARI HARAN REG.NO(920419115009) a student of B.E Mechatronics Engineering from Kamaraj College of Engineering and Technology an Autonomous Institution, S.P.G.Chidambara Nadar-C.Nagammal Campus,K.vellakullam-625701(Virudhunagar) has completed his project "SMART VACUUM CLEANER" at "Sri Venkateshwara Boards" during the period FROM 20-12-2022 TO 28-01-2023.

Wishing him all success for his future.



# COMPUTATION OF LENGTH AND CHOPPING USING PLC

### PROJECT REPORT

#### Submitted by

<b>GOWTHAM G</b>	(920419115008)
SATHYA K K	(920419115030)
RAMVENKADESH S	(920419115304)

In partial fulfilment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN

**MECHATRONICS ENGINEERING** 





DEPARTMENT OF MECHATRONICS ENGINEERING
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)
K. VELLAKULAM, VIRUDHUNAGAR - 626 001

**MARCH 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 "COMPUTATION OF LENGTH AND CHOPPING USING PLC" is the bonafide work of "GOWTHAM G (920419115008), SATHYA K K (920418115030) & RAMVENKADESH S (920419115304)" who carried out the project work under my supervision.

X m

SIGNATURE

SIGNATURE

Dr. K. KANNAN, M.E., M.E., Ph.D.,

Mr. A. GANESAN, M.E.,

HEAD OF THE DEPARTMENT

SUPERVISOR

Professor

Assistant Professor

Department of Mechatronics

Department of Mechatronics

Engineering

Engineering

Kamaraj College of Engineering &

Kamaraj College of Engineering &

Technology

Technology

K. Vellakulam,

K. Vellakulam,

Virudhunagar - 626 001

Virudhunagar - 626 001

Submitted for the Viva Voce Examination held on 24.05.2023

9- 24/3/25 INTERNAL EXAMINER

EXTERNAL EXAMINER



Ref: ATC/TVL/ FRG/22-23/01

Date: 31.01.2023

#### **CERTIFICATE**

This is to certify that Mr. G. GOWTHAM (Reg. No. 920419115008), Mr. K. K. SATHYA (Reg. No. 920419115030) & Mr. S. RAMVENKADESH (Reg. No. 920419115304), the students of Final Year B.E Mechatronics Engineering from Kamaraj College of Engineering & Technology, Madurai has successfully completed their project on "Computation of length and chopping using PLC" at ATC Tires Private Limited, Tirunelveli in Engineering Department during the period from 23.12.2022 to 20.01.2023.

We wish him all success in his future endeavor.

For ATC Tires Private Limited

R.SENTIIIL,



#### SALLIANCE GALAXY PRIMEN

ATC Tires Pvt. Ltd.

Plant: Sipool-SEZ, Plot No A-2, Sipool Industrial Growth Centre, Gangaikondan, Dist. Tirunehvell, Temil Nadu- 627 352.
Phone: +91 462 6600612 | Email: info@yokohama-oht.com

Registered Office: Unit No. 1001, 10° Floor Tower A, Embassy 247, LBS Marg, Vikhroll (West), Mumbai - 400 083
Phone: +91 22 3957 9600 | Fax +91 22 3957 9699 | Email : Info@yokohama-ohl.com | CIN : U25111MH2007PTC172456

# DESIGN OF AUTONOMOUS LINE FOLLOWING ROBOT FOR STERILIZATION PROCESS

#### PROJECT REPORT

#### Submitted by

NAVEENKUMAR V (920419115019)
PONRAM R (920419115020)
VIJAYA KUMAR E (920419115034)

In partial fulfilment for the award of the degree of

# **BACHELOR OF ENGINEERING**

IN MECHATRONICS ENGINEERING





# DEPARTMENT OF MECHATRONICS ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM - 625 701 (Near Virudhunagar)

**MARCH 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 "DESIGN OF AUTONOMOUS LINE FOLLOWING ROBOT FOR STERILIZATION PROCESS " is the bonafide work of "NAVEENKUMAR V (920419115019), PONRAM R (920418115020) & VIJAYA KUMAR E (920419115034)" who carried out the project work under my supervision.

**SIGNATURE** 

Dr.K.KANNAN, M.E., M.E., Ph.D.,

HEAD OF THE DEPARTMENT

**Professor** 

Kamaraj College of Engineering &

Technology

K. Vellakulam, Madurai.

Mr.S.WESLEY MOSES SAMDOSS

M.E.,(Ph.D).,

**SUPERVISOR** 

Assistant Professor

Department of Mechatronics Engineering Department of Mechatronics Engineering

Kamaraj College of Engineering &

Technology

K. Vellakulam, Madurai.

Submitted for the Viva Voce Examination held on

INTERNAL EXAMINER

Kanavaipatti Post & Village, Natham Main Road, Near Gopalpatti, Dindigul-624308.

GST IN: 33AAMFA4845RIZV

Date: 4 March 2023

#### CERTIFICATE

This is to certify that Mr.V.NaveenKumar (Reg.No.920419115019), B.E., (Mechatronics Engineering) student from Kamaraj Collage of Engineering & Technology, has done his Project Work titled " Design of Autonomous Line Following Robot for Sterilization Process" in Our Industry from 19.01.2023 to 03.03.2023.

We have noticed that, during the period, he has shown keen interest in his assignments and also regular in attendance.

(Mr.D.Shantha Moorthy) SUPERVISOR





www.adhityaagroproduct.com



0451 - 2559016/2559125



adhitya.agro@gmail.com

Kanavaipatti Post & Village, Natham Main Road, Near Gopalpatti, Dindigul-624308.

GST IN: 33AAMFA4845RIZV

Date: 4 March 2023

#### **CERTIFICATE**

This is to certify that Mr.R.Ponram (Reg.No.920419115020), B.E., (Mechatronics Engineering) student from Kamaraj Collage of Engineering & Technology, has done his Project Work titled " Design of Autonomous Line Following Robot for Sterilization Process" in Our Industry from 19.01.2023 to 03.03.2023.

We have noticed that, during the period, he has shown keen interest in his assignments and also regular in attendance.

(Mr.D.Shantha Moorthy)

SUPERVISOR





Kanavaipatti Post & Village, Natham Main Road, Near Gopalpatti, Dindigul-624308.

GST IN: 33AAMFA4845R1ZV

Date: 4 March 2023

#### CERTIFICATE

This is to certify that Mr.E.Vijaya Kumar (Reg.No.920419115034), B.E., (Mechatronics Engineering) student from Kamaraj Collage of Engineering & Technology, has done his Project Work titled " Design of Autonomous Line Following Robot for Sterilization Process" in Our Industry from 19.01.2023 to 03.03.2023.

We have noticed that, during the period, he has shown keen interest in his assignments and also regular in attendance.

(Mr.D.Shantha Moorthy)

**SUPERVISOR** 



# AN EFFECTIVE IMPELLER DESIGN IN PUMPS

#### PROJECT REPORT

#### Submitted by

BAWANKALYAN A P (920419115006) RAMA CHANDRU T (920419115023) SANJEEV K (920419115025)

In partial fulfilment for the award of the degree of

# **BACHELOR OF ENGINEERING**

IN

**MECHATRONICS ENGINEERING** 





DEPARTMENT OF MECHATRONICS ENGINEERING
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)
K. VELLAKULAM, VIRUDHUNAGAR - 626 001

**MARCH 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 "AN EFFEECTIVE IMPELLER DESIGN FOR PUMPS" is the bonafide work of "BAWANKALYAN A P (920419115006), RAMA CHANDRU T (920418115023) & SANJEEV K (920419115025)" who carried out the project work under my supervision.

SIGNATURE

Dr. K. KANNAN, M.E., M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor & Head

Department of Mechatronics

Engineering,

Kamaraj College of Engineering &

Technology

K. Vellakulam,

Virudhunagar - 626 001

Mr. P. BALASUNDAR, M.E., (Ph.D)

**SUPERVISOR** 

Assistant Professor

Department of Mechatronics

Engineering,

Kamaraj College of Engineering &

Technology

K. Vellakulam,

Virudhunagar - 626 001





# ENBEST PUMPS (INDIA) PRIVATE LIMITED

GSTIN . 33AAACE4591M1ZG CIN U29120TZ1988PTC 002161

Mirs. of Centrifugal Jet Pumps & Monobloc, Multistage and Shallow well jet and its accessories

AN ISO 9001/ ISO 14001 / ISO 45001 CERTIFIED COMPANY

S.F. No.362/3, Somayampalayam, Thadagam Road, Coimbalore - 641 108, Tamilnadu India

16.03.2023

#### CERTIFICATE

This is to certify that A.P.BAWANKALYAN (920419115006) a student of B.E. Mechatronics Engineering from Kamaraj College of Engineering and Technology an Autonomous Institution, S.P.G.Chidambara Nadar-C.Nagammal Campus, K.Vellakullam-625701(Near Virudhunagar) has completed his project on topic "An Effective Impeller Design For Pumps" during the period of 20-12-2022 to 04-03-2023. During this period, his conduct and character was found to be Very Good.

Enbest Pumps India Pvt.Ltd

CBE-108) P





### ENBEST PUMPS (INDIA) PRIVATE LIMITED

GSTIN: 33AAACE4591M1ZG CIN: U29120TZ1988PTC 002161

Mfrs. of: Centrifugal Jet Pumps & Monobloc, Multistage and Shallow well jet and its accessories

AN ISO 9001/ ISO 14001 / ISO 45001 CERTIFIED COMPANY

S.F. No.362/3, Somayampalayam, Thadagam Road, Coimbatore - 641 108, Tamilnadu, India

16.03.2023

#### CERTIFICATE

This is to certify that T.RAMA CHANDRU (920419115023) a student of B.E Mechatronics Engineering from Kamaraj College of Engineering and Technology an Autonomous Institution, S.P.G.Chidambara Nadar-C.Nagammal Campus, K.Vellakullam-625701(Near Virudhunagar) has completed his project on topic "An Effective Impeller Design For Pumps" during the period of 20-12-2022 to 04-03-2023. During this period, his conduct and character was found to be Very Good.

Enbest Pumps India Pvt.Ltd







## ENBEST PUMPS (INDIA) PRÍVATE LIMITED

GSTIN: 33AAACE4591M1ZG CIN: U29120TZ1988PTC 002161

Mfrs. of: Centrifugal Jet Pumps & Monobloc, Multistage and Shallow well jet and its accessories

AN ISO 9001/ ISO 14001 / ISO 45001 CERTIFIED COMPANY

S.F. No.362/3, Somayampalayam, Thadagam Road, Coimbatore - 641 108, Tamilnadu, India

16.03.2023

#### **CERTIFICATE**

This is to certify that K.SANJEEV (920419115025) a student of B.E Mechatronics Engineering from Kamaraj College of Engineering and Technology an Autonomous Institution, S.P.G.Chidambara Nadar-C.Nagammal Campus, K.Vellakullam-625701(Near Virudhunagar) has completed his project on topic "An Effective Impeller Design For Pumps" during the period of 20-12-2022 to 04-03-2023. During this period, his conduct and character was found to be Very Good.

Enbest Pumps India Pvt.Ltd



#### PNEUMATIC POWER METAL SPLIT MACHINE

#### PROJECT REPORT

#### Submitted by

MOHAMED ANAS S

(920419115015)

PRASANNA M

(920419115021)

In partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

#### **MECHATRONICS ENGINEERING**





# DEPARTMENT OF MECHATRONICS ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM - 625 701 (Near Virudhunagar)

**MARCH 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 "PNEUMATIC POWER METAL SPLIT MACHINE" is the bonafide work of "MOHAMED ANAS S (920419115015) & PRASANNA M (920419115021)" who carried out the project work under my super vision.

**SIGNATURE** 

Dr. K. KANNAN, M.E., M.E.,

Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Department of Mechatronics

Engineering

Kamaraj College of Engineering &

Technology

K. Vellakulam, Madurai

Mr. A. ARUL KUMAR, M.E., (Ph.D)

SUPERVISOR

Assistant Professor

Department of Mechatronics

Engineering

Kamaraj College of Engineering &

Technology

K. Vellakulam, Madurai

Submitted for the Viva Voce Examination held on 24/03/2013

# DESIGN AND FABRICATION OF PICK AND PLACE ROBOT FOR PUNCH PRESS

#### PROJECT REPORT

#### Submitted by

SAMUVEL KINGSLY I (920419115305)
PRITHVIRAJAN M (920419115501)

RAJA PRABU T (920419115502)

In partial fulfillment for award of the degree of

# **BACHELOR OF ENGINEERING**







DEPARTMENT OF MECHATRONICS ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM - 625 701 (Near Virudhunagar).

**MARCH 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 this project report "DESIGN AND FABRICATION OF PICK AND PLACE ROBOT FOR PUNCH PRESS" is the bonafide work of "I. SAMUVEL KINGSLEY (920419115305), M. PRITHIVIRAJAN (920419115501) & T. RAJA PRABU (920419115502)" who carried out the project work under my supervision.

SIGNATURE

Dr. K. KANNAN, M.E., M.E., Ph.D.,

HEAD OF THE DEPARTMENT,

Professor,

Dept. of Mechatronics Engineering,

Kamaraj College of Engg. & Tech.,

K. Vellakulam, Madurai.

SIGNATURE

Mr. S. WESLEY MOSES SAMDOSS,

M.E., (Ph.D),

SUPERVISOR,

Assistant Professor,

Dept. of Mechatronics Engineering,

Kamaraj College of Engg. & Tech.,

K. Vellakulam, Madurai.

Submitted for the Viva Voce Examination held on 34/03/2023

INTERNAL EXAMINER

EXTERNAL EXAMINER

GST : 33AMYPR6306E1ZR

959 777 444 9



# RR INDUSTRIES

78/4 RAMAIAH STREET, OVIYAR STREET,JAIHINDPURAM.MADURAI.625 011. TAMIL NADU.

DATE:17/03/2023

#### Certificate

This is to certify that Samuvel Kingsly.I(920419115305), The Student of B.E.Mechatronics Engineering, from Kamaraj College of Engineering and Technology, An Autonomous Institute S.P.G.Chidambara Nadar, C.Nagammal Campus, K.Vellamkulam, Madural-625701, has successfully completed their project on "Pick and place robot for punch press" at R R INDUSTRIES, Madural in Engineering Department during the Period from 20/12/2022 to 25/02/2023

Wishing him all the success for his future...

For R.R.INDUSTRIES

Proprietor

GST: BBAMYPR6306E1ZR

959 777 444 9



# RR INDUSTRIES

78/4 RAMAIAH STREET, OVIYAR STREET,JAIHINDPURAM.MADURAI.625 011. TAMIL NADU.

DATE:17/03/2023

#### **Certificate**

This is to certify that Prithivirajan. M(920419115501), The Student of B.E.Mechatronics Engineering, from Kamaraj College of Engineering and Technology, An Autonomous Institute S.P.G.Chidambara Nadar, C.Nagammal Campus, K.Vellamkulam, Madurai-625701, has successfully completed their project on "Pick and place robot for punch press" at R R INDUSTRIES, Madurai in Engineering Department during the Period from 20/12/2022 to 28/02/2023

Wishing him all the success for his future...

For R.R. HOUSTRIES

Proprietor



# RR INDUSTRIES

78/4 RAMAIAH STREET, OVIYAR STREET,JAIHINDPURAM.MADURAI.625 011. TAMIL NADU.

DATE:17/03/2023

#### Certificate

This is to certify that Raja Prabu.T(920419115502), The Student of B.E.Mechatronics Engineering, from Kamaraj College of Engineering and Technology, An Autonomous Institute S.P.G.Chidambara Nadar, C.Nagammal Campus, K.Vellamkulam, Madural-625701, has successfully completed their project on "Pick and place robot for punch press" at R R INDUSTRIES, Madural in Engineering Department during the Period from 20/12/2022 to 25/02/2023

Wishing him all the success for his future...

For R.B.INDUSTRIES



(An Autonomous Institution - AFFL ATED TO ANNA UNIVERSITY, CHENNAI)

8 PG Chidambars Nadar - C.Negammel Campus

8 PG C. Nagar, K. Velakulam – 625 701 (Near VIRUDHUNAGAR).

# DEPARTMENT OF MECHATRONICS ENGINEERING

(Accredited by NBA, New Delhi)

Consolidated Mark Statement - Internship

Class: III - MTRE Regulation: 2020 2022-2023: Even Semester

S.No.	Roll Number	Register Number	Name of Student	Total (100)*
1.	20UMT001	920420UMT001	R.NAVEEN	90
2.	20UMT002	920420UMT002	G.RAHUL	76
3.	20UMT003	920420UMT003	R.GEMRELTON	92
4.	20UMT004	920420UMT004	C.VEERANAN	90
5.	20UMT005	920420UMT005	S.KARTHIKEYAN	86
6.	20UMT006	920420UMT006	K.SAKTHIBALA	81
7.	20UMT007	920420UMT007	R.RAMANAVEL	84
8.	20UMT008	920420UMT008	M.E.NAVEENPRAKASH	85
9.	20UMT009	920420UMT009	V.ANANDAKRISHNAN	90
10.	20UMT010	920420UMT010	S.BHUVANESHWARAN	94
11.	20UMT011	920420UMT011	S.SABARIVASAN	75
12.	20UMT012	920420UMT012	R.MANIKANDAN	88
13.	20UMT013	920420UMT013	K.HARRISHBABU	83
14.	20UMT014	920420UMT014	P.KRISHNA KUMAR	87
15.	20UMT015	920420UMT015	V.HARISH RAMACHANDRAN	80
16.	20UMT016	920420UMT016	R.ESAKKI ANAND	81

Signature of Internship Incharge

Signature of HoD

Signature of Dean (Academic Courses)



GST No: 33BHFPR3158H1ZA



Mob: 94421 09409, 99440 50490

#### TO WHOM IT MAY CONCERN

This to certify that Mr.R.Naveen a student of B.E Mechatronics Engineering, the Roll No:20UMT001 from Kamaraj College of Engineering and Technology, an autonomous institution, S.P.G Chidhambara Nadar-C.Nagammal campous, K.Vellakulam, Madurai-625-701, had undergone a long internship training programe for

Fifteen Days [From 27/06/2022 To 12/07/2022] which he completed successfully.

Through out the training, his overall conduct and attitude towards work was found satisfactory. He was hard working, punctual, and committed in carrying out his assignments.

Wishing his all success for his future...

FOR VILVAM OFFSET PRINTERS

Proprietor





Date: 12.07.2022

# TO WHOM IT MAY CONCERN

This is to certify that **Mr.RAHUL G,**(Reg. No.920420UMT002) studying Second year department of "**MECHATRONICS ENGINEERING** "at KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, has successfully completed 15 days internship in the field of **LOW COST AUTOMATION** Projects from 28.06.2022 to 12.07.2022 under guidance of Mr. DHARMENDRA BABU A.

During the period of his internship program with us he had exposed to different processes and was found diligent, hardworking and inquisitive. We wish him every success in his life and career

For STAR CONVERTERS,

DHARMENDRA BABU A

(Managing Director)



#### INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. R.Gem Relton student of B.E Mechatronics Engineering from Kamaraj College of Engineering and technology had completed his internship programme of 15 days from June 28th to to July 12th 2022 in our company under our supervision.

During his internship he has demonstrated his skills with self motivation to learn new skills. His performance exceeded our expectation and we wish him for his upcoming career.

DATE: July 12, 2022

For Hi-TECH Services

J. Joanwells (M D)

J. (700)



Date: 12.07.2022

# TO WHOM IT MAY CONCERN

This is to certify that **Mr.VEERANAN C**, (Reg. No.920420UMT004) studying Second year department of "**MECHATRONICS ENGINEERING** "at KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, has successfully completed 15 days internship in the field of **LOW COST AUTOMATION** Projects from 28.06.2022 to 12.07.2022 under guidance of Mr. DHARMENDRA BABU A.

During the period of his internship program with us he had exposed to different processes and was found diligent, hardworking and inquisitive. We wish him every success in his life and career.

For STAR CONVERTERS,

DHARMENDRA BABU A

(Managing Director)



Date: 12.07,2022

#### TO WHOM IT MAY CONCERN

This is to certify that **Mr. KARTHIKEYAN S,**(Reg. No.920420umt005) studying Second year department of "**MECHATRONICS ENGINEERING** "at KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, has successfully completed 15 days internship in the field of **LOW COST AUTOMATION** Projects from 28.06.2022 to 12.07.2022 under guidance of Mr. DHARMENDRA BABU A.

During the period of his internship program with us he had exposed to different processes and was found diligent, hardworking and inquisitive. We wish him every success in his life and career.

For STAR CONVERTERS,

DHARMENDRA BABU A

(Managing Director)



Cell: 94871 68244 9488368244



2C, Chinnapallivasal Complex, Thanthimara Street, VIRUDHUNAGAR - 626 001.

#### **INTERNSHIP COMPLETION CERTIFICATE**

This is to certify that K.Sakthi Bala student of B.E Mechatronics Engineering from Kamaraj College of Engineering and technology had completed his internship programme of 15 days from 28/06/2022 to 12/07/2022 in our company under our supervision.

During his internship he has demonstrated his skills with self motivation to learn new skills. His performance exceeded our expectation and we wish him for his upcoming career.

**DATE: July 12, 2022** 

For GEM AC.R.Service

J. Ragladruban (M D)

Cell: 9487168244, 9488368244

Gen AC.R. Service
2-C, Chinnapallivasal Complex, Thanthimara Street,
VIRUDHUNAGAR - 626001



Date: 12.07.2022

# TO WHOM IT MAY CONCERN

This is to certify that Mr.RAMANAVEL R, (Reg. No.920420UMT007) studying Second year department of "MECHATRONICS ENGINEERING" at KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, has successfully completed 15 days internship in the field of LOW COST AUTOMATION Projects from 28.06.2022 to 12.07.2022 under guidance of

During the period of his internship program with us he had exposed to different processes and was found diligent, hardworking and inquisitive.

We wish him every success in his life and career.

For STAR CONVERTERS,

DHARMENDRA BABU A

(Managing Director)



12.07.2022

Dealership

M/s. Jahnvi Motor Pvt Ltd.

1, Madurai - Dindigul National Highway,
Samayanallur Post, Madurai - 625 402

Tel.:+91-452-2543400 Fax:+91-452-2543402 Mail:info@audimadurai.in

Registered Office No.5, AKS Nagar Thadagam Road Coimbatore - 641 001 www.audimadurai.com

CIN: U50100TZ2011PTC017370

To Whomsoever Concern

This is to certify that Mr.M.E.Naveen Prakash, 920420UMT008 studying B.E (Mechatronics) II Year in

Kamaraj College of Engineering & Technology, Virudhunagar. He has completed internship training in our organization during the period of 28.06.2022 to 12.07.2022.

We found him sincere, hardworking, technically sound and result-oriented during his internship.

We wish him every success in life.

For Jahnvi Motor (P) Ltd

Best regards,

Ranjith.C

HR Manager

Cell: 94871 68244 9488368244



#### INTERNSHIP COMPLETION CERTIFICATE

2C, Chinnapallivasal Complex, Thanthimara Street, VIRUDHUNAGAR - 626 001.

This is to certify that Mr V.Anandakrishnan student of B.E Mechatronics Engineering from Kamaraj College of Engineering and technology had completed his internship programme of 15 days from 28/06/2022 to 12/07/2022 in our company under our supervision.

During his internship he has demonstrated his skills with self motivation to learn new skills. His performance exceeded our expectation and we wish him for his upcoming career.

**DATE: July 12, 2022** 

For GEM AC.R.Service

J.Fymp

J. Ragladruban (M D)

Cell: 9487168244, 9488368244

Gen AC.R. Service

2-C, Chinnapallivasal Complex, Thanthimara Street, VIRUDHUNAGAR - 626001



Date: 12.07.2022

# TO WHOM IT MAY CONCERN

This is to certify that Mr.BHUVANESHWARAN S, (Reg. No.920420UMT010) studying Second year department of MECHATRONICS ENGINEERING at KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, has successfully completed 15 days in the field of LOW COST AUTOMATION Projects from 28.06.2022 to 12.07.2022 under guidance of Mr. DHARMENDRA BABU A.

During the period of his internship program with us he had exposed to different processes and was found diligent, hardworking and inquisitive. We wish him every success in his life and career

For STAR CONVERTERS,

DHARMENDRA BABU A

(Managing Director)



Cell: 94871 68244 9488368244



2C, Chinnapallivasal Complex, Thanthimara Street, VIRUDHUNAGAR - 626 001.

#### INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. S.Sabarivasan student of B.E Mechatronics Engineering from Kamaraj College of Engineering and technology had completed his internship programme of 15 days from 28/06/2022 to 12/07/2022 in our company under our supervision.

During his internship he has demonstrated his skills with self motivation to learn new skills. His performance exceeded our expectation and we wish him for his upcoming career.

**DATE: July 12, 2022** 

For GEM AC.R.Service

J. Ragladruban (M D)

Cell: 9487168244, 9488368244

Gern AC.R. Service
2-C, Chinnapallivasal Complex, Thanthimara Street, VIRUDHUNAGAR - 626001

Cell: 94871 68244 9488368244



#### INTERNSHIP COMPLETION CERTIFICATE

2C, Chinnapallivasal Complex, Thanthimara Street, VIRUDHUNAGAR - 626 001.

This is to certify that R.Manikadan student of B.E Mechatronics Engineering from Kamaraj College of Engineering and technology had completed his internship programme of 15 days from 28/06/2022 to 12/07/2022 in our company under our supervision.

During his internship he has demonstrated his skills with self motivation to learn new skills. His performance exceeded our expectation and we wish him for his upcoming career.

**DATE: July 12, 2022** 

For GEM AC.R.Service

1. Fympy

J. Ragladruban (M D)

Cell: 9487168244, 9488368244

Gen AC.R. Service
2-C, Chinnapallivasal Complex, Thanthimara Street,
VIRUDHUNAGAR - 626001



PCB DESIGNING & MANUFACTURING INDUSTRIAL PRODUCTS & AUTOMATION 3D MODELING & PRINTING INDUSTRIAL TRAINING

10-07-2022

## TO WHOM IT MAY CONCERN

This is certify that Mr. **K.HARRISH BABU** studying 2<sup>nd</sup> year MECHATRONICS at KAMARAJ COLLEGE OF ENGG & TECH has successfully completed 15 days real INDUSTRIAL INTERNSHIP TRAINING in the fields of PRODUCT DESIGN AND MANUFACTURING, EMBEDDED PROGRAMMING from 26-06-2022 to 10-07-2022.

We wish him for his future career.

For SUNSHIV ELECTRONIC SOLUTIONS,

S.SUNDARAMOORTHY

CEO

Email: sunshivpeb@gmail.com Web: www.sunshivelectronics.com

Cell: 94871 68244 9488368244



#### **INTERNSHIP COMPLETION CERTIFICATE**

2C, Chinnapallivasal Complex, Thanthimara Street, VIRUDHUNAGAR - 626 001.

This is to certify that Mr P.Krishna Kumar student of B.E Mechatronics Engineering from Kamaraj College of Engineering and technology had completed his internship programme of 15 days from 28/06/2022 to 12/07/2022 in our company under our supervision.

During his internship he has demonstrated his skills with self motivation to learn new skills. His performance exceeded our expectation and we wish him for his upcoming career.

**DATE: July 12, 2022** 

For GEM AC.R.Service

J. Ragladruban (M D)

Cell: 9487168244, 9488368244

Gene AC.R. Service

2-C, Chinnapallivasal Complex, Thanthimara Street, VIRUDHUNAGAR - 626001



Date: 12.07.2022

#### TO WHOM IT MAY CONVERN

RAMACHANDRAN Mr.V.HARISH certify that to This is department second year (Reg.No.920420UMT015) studying " at KAMARJ COLLEGE "MECHATRONICS ENGINEERING ENGINEERING AND TEHCNOLOGY, has successfully completed 15 days internship in the field of LOW COST AUTOMATION Projects from 28.06.2022 to 12.07.2022 under guidance of Mr.DHARMENDRA BABU A.

During the period of his internship program with us he had exposed to different processes and was found diligent, hardworking and inquisitive.

We wish him success in his life and career.

For STAR CONVERTERS,

DHARMENDRA BABU A

(Managing Director)

Cell: 94871 68244 9488368244



#### INTERNSHIP COMPLETION CERTIFICATE

2C, Chinnapallivasal Complex, Thanthimara Street, VIRUDHUNAGAR - 626 001.

This is to certify that Mr R.Esakkianand student of B.E Mechatronics Engineering from Kamaraj College of Engineering and technology had completed his internship programme of 15 days from 28/06/2022 to 12/07/2022 in our company under our supervision.

During his internship he has demonstrated his skills with self motivation to learn new skills. His performance exceeded our expectation and we wish him for his upcoming career.

**DATE: July 12, 2022** 

For GEM AC.R.Service

J.P. MP

J. Ragladruban (M D)

Cell: 9487168244, 9488368244

Gen AC.R. Service
2-C, Chinnapallivasal Complex, Thanthimara Street, VIRUDHUNAGAR - 626001