



(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), Madurai District.

Department of Polymer Technology

PT8811

PROJECT WORK

L T P C

0 0 20 10

Each student will be assigned a project involving some design and fabrication work as well as theoretical and experimental studies on issues related to Polymer Technology. Continuous internal assessment marks for the project will be given during project review meeting. The student has to prepare and present a detailed project report at the end of the semester and give a presentation about the work done. End semester examination mark will be based on viva voce examination.



(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), Madurai District.

Department of Polymer Technology

PT 8811 PROJECT WORK (2020-2021 Year)– TITLE

B. No	Reg No	Student Name	PROJECT NAME	Guide	INDUSTRY NAME
	920417208041	Vasanth.G	IMPACT MODIFICATION OF GLASS FILLED NYLON 6 IN AUTOMOTIVE APPLICATIONS	Dr.S.Gandhi	
	920417208032	Seenivasan.K			Formulated Polymers , Chennai
2	920417208035	Subash.S	ELIMINATION OF EXCESSIVE FOAM BUILD UP IN SLURRY TANK BY ANTI-TACK SOLUTION	Dr.S.Gandhi	TVS Tyres, Madurai
	920417208036	Sudharsan R			
	920417208030	Santosh Lal P			
	920417208306	Shanmuganathan.J			
B. No	Reg No	Student Name		Guide	
	920417208023	Mohammed Ibrahim.A	STUDY AND OPTIMIZING THE PARAMETER OF VARIOUS MOULDING PROCESS AND PRODUCTIVITY IMPROVEMENT	Dr.C.T.Vijayakumar	Roop Polymers ,Chennai
	920417208022	Mohammed meera . A			
	920417208024	Naveenraj.B			
	920417208043	Vignesh.P	SELECTION OF ALTERNATIVE	Dr.C.T.Vijayakumar	Emerson, Pune

			MATERIALS FOR LED FIXTURE IN HAZARDOUS ENVIRONMENT		
	920417208033	Sowmiya.A	STUDY OF AGEING CHARACTERS IN PEROXIDE CURED EPDM FOR BRAKE HOSE APPLICATION	Dr.C.T.Vijayakumar	Fenner India Pvt Ltd, Madurai
	920417208008	Deepa.B			
B. No	Reg No	Student Name		Guide	
	920417208301	Muthukumar. B	STUDY AND OPTIMIZING THE PARTS PER MILLION OF DAMPER FORK COVER	Dr.S.Vinayagamoorthy	Roop Polymers, Chennai
	920417208002	Ajithkumar.K			
	920417208307	Surya.S			
	920417208012	Gayathri.M	TEST METHODOLOGY FOR RUBBER CEMENT ADHESION BY PEELING	Dr.S.Vinayagamoorthy	TVS Tyres, Madurai
B. No	Reg No	Student Name		Guide	
	920417208039	Thamarai Raja.M	ARRIVING STANDARDS FOR MDR (MOVING DIE RHEOMETER) BY STATISTICAL METHODS	Dr.R.Baskaran	Emrald Tyres, Chennai
	920417208010	Dinesh.S			
	920417208006	Balamurugan. K	STUDY AND OPTIMIZING THE PARAMETER OF VARIOUS MOULDING	Dr.R.Baskaran	Deluxe Rubber, Chennai
	920417208044	Vigneshwaran .A			

			PROCESS AND PRODUCTIVITY IMPROVEMENT			
2	920417208025	Nisanth.M	COST REDUCTION BY ISNR RECLAIMED AND RECOVERED CARBON	Dr.R.Baskaran	Krishna Tyres, Madurai	
	920417208042	Venkatesh Kumar.P				
2	920417208001	Abhishek.G	UNSATURATED POLYESTER-MICROCRYSTALLINE CELLULOSE COMPOSITES	Dr.R.Baskaran	Internal project	
	920417208011	Ganeshkumar .K				
B. No	Reg No	Student Name		Guide		
1	920417208031	Sathya.L	TO REDUCE THE REJECTION RATE OF UPVC WINDOW PROFILE IN EXTRUSION PROCESS	Dr.M.G.Sribal		
1	920417208014	Gomathi Jaya.R	COST REDUCTION BY RMA RECLAIMED AND RECOVERED CARBON WITHOUT DETERIORATING ITS PROPERTIES	Dr.M.G.Sribal	Krishna Tyres, Madurai	
	920417208017	Jeevitha.M				
1	920417208305	Shahul Hameed.A	TO REDUCE THE REJECTION RATE OF UPVC WINDOW PROFILE IN EXTRUSION PROCESS	Dr.M.G.Sribala		
	920417208016	Gurusaran.A				Prominace, Coimbatore
	920417208004	Akash.P				
B. No	Reg No	Student Name		Guide		
1	920417208038	Suresh Kumar.P	REPLACEMENT OF FILLERS	Dr.K.Agathiar	Sri Ram Karthik	

			INRUBBER COMPOSITION BYUSINGSYCA MORE OAK TREE ASH		Polymers , Coimbat ore
	920417208 013	Gokul Raj.G			
1	920417208 302	Sakthi Ganesh.R	SIMULATION AND OPTIMIZATION OF MOSQUITO CATCHER PRODUCT IN MOULDING &MOULD FLOW	Dr.K.Agathian	3DX Mould , Coimbat ore
B. No	Reg No	Student Name		Guide	
1	920417208 029	Reshma.M	IMPROVING MECHANICAL PROPERTIES OF NBR COMPOUND BY ADDING WHITE FILLERS	Dr.S.Kailash	Bhargave rubbers
	920417208 026	Nivetha.J			
	920417208 015	Gunapriya.A			
1	920417208 028	Rajesh Kanna.S	TRANSFORMA TION OF GASKET FROM COMPRESSION TO INJECTION MOULDING	Dr.S.Kailash	Talyor Rubbers, Chennai
	920417208 027	Raja Pandi.D			
1	920417208 034	Srikanth.B	REUSE OF PLASTIC WASTE IN PAVER BLOCKS	Dr.S.Kailash	internal
B. No	Reg No	Student Name		Guide	
1	920417208 021	Marimuthu.S	COST OPTIMIZATION OF RUBBER COMPOUND IN DIAPHRAGM APPLICATIONS	Mr.S.Sivakumara	Mega Rubbers, Hosur
	920417208 018	Johnnickalsh an.N			
	920417208 037	Sureshbabu. M			
	920417208 303	Sasikumar.B			
1	920417208 007	Bhuvaneshwa rar.P	TROUBLE SHOOTING IN EXTRUSION	Mr.S.Sivakumara vel	Promina nce, Coimbat

			PROCESS OF UPVC		ore
B. No	Reg No	Student Name		Guide	
2	920417208304	Selvanayagi.K	CONSOLIDATION OF PHYSICAL PROPERTIES OF COMPOUNDS AGAINST VARIOUS CUSTOMERS	Dr.K.Ponprapakaran	TVS Rubbers, Madurai
2	920417208019	Karthik Raja.J	"REDUCE REJECTION IN B2U UPPERCASE B2U INSERT LENS SPTA RING IN AUTOMOTIVE APPLICATIONS"	Dr.K.Ponprapakaran	TVS Rubbers, Madurai
	920417208005	Arun Kartheeravan.T			
	920417208040	Thivakar.S			



Project In charge



HOD/PT

IMPACT MODIFICATION OF GLASS FILLED NYLON 6 IN AUTOMOTIVE APPLICATIONS

A PROJECT REPORT

Submitted by

Mr.G.VASANTH

&

Mr.K.SEENIVASAN

In partial fulfilment for the award of the degree

Of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



Department Of Polymer Technology



KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous institution affiliated to Anna University, Chennai)

K.VELLAKULAM – 625701 (NEAR VIRUDHUNAGAR)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous institution affiliated to Anna University, Chennai)
K.VELLAKULAM – 625701 (NEAR VIRUDHUNAGAR)

BONAFIDE CERTIFICATE



SIGNATURE

Dr.S.Gandhi M.Tech.,Ph.D.,

HEAD OF THE DEPARTMENT

Associate professor

Department of Polymer Technology

Kamaraj college of Engg&Tech,

Virudhunagar-626001



SIGNATURE

Dr.S.Gandhi M.Tech.,Ph.D.,

SUPERVISOR

Associate professor

Department of Polymer Technology

Kamaraj college of Engg&Tech,

Virudhunagar-626001



INTERNAL EXAMINER



EXTERNAL EXAMINER




29-04-2021

TO WHOSOEVER IT MAY CONCERN

We are glad to inform you that G.VASANTH (17UPT021) from Kamaraj College of engineering & Technology, Virudhunagar has successfully completed his Industry Project from 8th Feb, 2021 to 8th April, 2021.

During the Program, his association with us was very fruitful and we wish him all the best in his future endeavours.

For Formulated polymers Limited


P. Moovendan
Deputy Manager HR/ADMIN

Formulated Polymers Limited

Head Office:

57-60, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600 124, India.

+91 - 44 - 2681 1236 - 7 - 8 +91 - 44 - 2681 1275 info@formulatedpolymers.com

Chennai | Bengaluru | Gurgaon | Pune

CIN: U52599TN991PLCO21129

www.formulatedpolymers.com




29-04-2021

TO WHOSOEVER IT MAY CONCERN

We are glad to inform you that **K.SEENIVASAN** (17UPT039) from Kamaraj College of engineering & Technology, Virudhunagar has successfully completed his Industry Project from 8th Feb, 2021 to 8th April, 2021.

During the Program, his association with us was very fruitful and we wish him all the best in his future endeavours.

For Formulated polymers Limited


P. Moovendan
Deputy Manager HR/ADMIN

Formulated Polymers Limited

Head Office:

57-60, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600 124, India.

☎ +91 - 44 - 2681 1236 - 7 - 8 ☎ +91 - 44 - 2681 1275 ☎ info@formulatedpolymers.com

Chennai | Bengaluru | Gurgaon | Pune

CIN: U52599TN1991PLCO21129

www.formulatedpolymers.com

**ELIMINATION OF EXCESSIVE FOAM BUILD UP IN
SLURRY TANK BY ANTI-TACK SOLUTION**

PROJECT REPORT

Submitted by

S.SUBASH(920417208035)

R.SUDARSHAN (920417208036)

J.SHANMUGANADHAN(920417208306)

C.P.SANTOSHLAL(920417208030)

in partial fulfilment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULLAM – 625 701 (Near VELLAKULAM)

APRIL 2021



28/04/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Subash S **from "KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY"** has successfully completed his **PROJECT** in **ELEMINATION OF EXCESS FOAM IN ANTITACK SLURRY SOLUTION**

Duration: From 01nd Feb 2021 to 05th Mar 2021.

During this period, his performance and conduct was found to be good.

We wish his all success in future endeavors.

For **TVS SRICHAKRA LTD**


VELMURUGARAJA
ASST GENERAL MANAGER – PERSONNAL

TVS Srichakra Limited

CIN: L25111TN1982PLC009414

Regd. Office: TVS Building, 7-B West Veli Street, Madurai 625 001.

Tel: +91 0452 2356400. Fax: +91 0452 2443466 | Website: www.tvseurogrip.com

Manufacturing Unit: Vellaripatti, Melur Taluk, Madurai - 625 122. Tel: +91 452 2443300



28/04/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Shanmuganathan J from "**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**" has successfully completed his **PROJECT** in **ELEMINATION OF EXCESS FOAM IN ANTITACK SLURRY SOLUTION**

Duration: From 01nd Feb 2021 to 05th Mar 2021.

During this period, his performance and conduct was found to be good.

We wish his all success in future endeavors.

For **TVS SRICHAKRA LTD**


VELMURUGARAJA
ASST GENERAL MANAGER – PERSONNAL

TVS Srichakra Limited
CIN: L25111TN1982PLC009414
Regd. Office: TVS Building, 7-B West Veli Street, Madurai 625 001.
Tel: +91 0452 2356400. Fax: +91 0452 2443466 | Website: www.tvseurogrip.com
Manufacturing Unit: Vellaripatti, Melur Taluk, Madurai - 625 122. Tel: +91 452 2443300



28/04/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Sudhran R from "**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**" has successfully completed his **PROJECT** in **ELEMINATION OF EXCESS FOAM IN ANTITACK SLURRY SOLUTION**

Duration: From **01nd Feb2021 to 05th Mar2021.**

During this period, his performance and conduct was found to be good.

We wish his all success in future endeavors.

For **TVS SRICHAKRA LTD**


VELMURUGARAJ.A
ASST GENERAL MANAGER – PERSONNAL

TVS Srichakra Limited

CIN: L25111TN1982PLC009414

Regd. Office: TVS Building, 7-B West Veli Street, Madurai 625 001.

Tel: +91 0452 2356400. Fax: +91 0452 2443466 | Website: www.tvseurogrip.com

Manufacturing Unit: Vellaripatti, Melur Taluk, Madurai - 625 122. Tel: +91 452 2443300



28/04/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Santhoshlal C P from "**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**" has successfully completed his **PROJECT** in **ELEMINATION OF EXCESS FOAM IN ANTITACK SLURRY SOLUTION**

Duration: From **01nd Feb2021 to 05th Mar2021.**

During this period, his performance and conduct was found to be good.

We wish his all success in future endeavors.

For **TVS SRICHAKRA LTD**


VEL MURUGARAJ.A
ASST GENERAL MANAGER – PERSONNAL

TVS Srichakra Limited

CIN: L25111TN1982PLC009414

Regd. Office: TVS Building, 7-B West Velli Street, Madurai 625 001.

Tel: +91 0452 2356400. Fax: +91 0452 2443466 | Website: www.tvseurogrip.com

Manufacturing Unit: Vellaripatti, Melur Taluk, Madurai - 625 122. Tel: +91 452 2443300

BONAFIDE CERTIFICATE

Certified that this project report “**ELIMINATION OF EXCESSIVE FOAM BUILD UP IN SLURRY TANK BY ANTI TACK SOLUTION**” is the bonafide work of “ **S.SUBASH, J.SHANMUGANADHAN, R.SUDARSHAN and C.P.SANTOSHLAL**” who carried out the work under my supervision.



SIGNATURE

Dr.S.GANDHI

ASSOCIATE PROFESSOR

HEAD OF THE DEPARTMENT

Dept. of Polymer Technology

Kamaraj College of Engg. & Tech.

Virudhunagar-626001



SIGNATURE

Dr.S.GANDHI

ASSOCIATE PROFESSOR

INTERNAL GUIDE

Dept. of Polymer Technology

Kamaraj College of Engg. & Tech.

Virudhunagar -626001



INTERNAL EXAMINER



EXTERNAL EXAMINER

**STUDY AND OPTIMIZING THE PARAMETER OF
VARIOUS MOULDING PROCESS AND
PRODUCTIVITY IMPROVEMENT**

A PROJECT REPORT

Submitted by

**A.MOHAMED MEERA (920417208022)
A.MOHAMMED IBRAHIM (920417208023)
B.NAVEEN RAJ (920417208024)**

In partial fulfilment of the award of the degree of

**BACHELOR OF TECHNOLOGY
IN
POLYMER TECHNOLOGY**

DEPARTMENT OF POLYMER TECHNOLOGY

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM -625701(Near Virudhunagar)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM -625701(Near Virudhunagar)

BONAFIDE CERTIFICATE

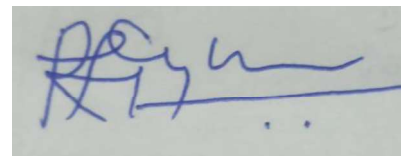
Certified that this project report **“STUDY AND OPTIMIZING THE PARAMETER OF VARIOUS MOULDING PROCESS AND PRODUCTIVITY IMPROVEMENT”** is the bonafide work of **A.MOHAMED MEERA, A. MOHAMMED IBRAHIM** and **B.NAVEEN RAJ** who carried out the project under my supervision



SIGNATURE
Mr.Dr. GANDHI
HEAD OF THE DEPARTMENT,
Associate Professor,
Department of polymer technology
Madurai.



INTERNAL EXAMINER



SIGNATURE
Mr.Dr.C.T. VIJAYA KUMAR
SUPERVISOR
Professor
Department of polymer Technology
Madurai.



EXTERNAL EXAMINER



Roop Polymers Ltd.

F-8/2, SIPCOT Industrial Park
Sriperumbudur - 602 105, (TN) INDIA

Tel : +044-27168030/31
CIN : U18101DL1996PLC079003

Date: 19th March, 2021

TO WHOM SOEVER IT MAY CONCERN

This is certify to **Mr.A.Mohamed Meera**, (Reg. No.920417208022) student of final year B.Tech in Polymer Technology from The Kamaraj College of Engineering Technology, Virudhunagar, has successfully completed his In plant training in our organization on "Productivity Improvement" from 01-Feb-2021 to 19-Mar-2021.

We wish him all the best in his future endeavours.

For Roop Polymers Ltd.,

(Solomon Jayakumar.S)

HR & Admin





Roop Polymers Ltd.

F-8/2, SIPCOT Industrial Park
Sriperumbudur - 602 105, (TN) INDIA

Tel : +044-27168030/31
CIN : U18101DL1996PLC079003

Date: 19th March, 2021

TO WHOM SOEVER IT MAY CONCERN

This is certify to **Mr.B Naveen Raj**, (Reg. No.920417208024) student of final year B.Tech in Polymer Technology from The Kamaraj College of Engineering Technology, Virudhunagar, has successfully completed his In plant training in our organization on "Productivity Improvement" from 01-Feb-2021 to 19-Mar-2021.

We wish him all the best in his future endeavours.

For Roop Polymers Ltd.,

(Solomon Jayakumar.S)

HR & Admin





Roop Polymers Ltd.

F-8/2, SIPCOT Industrial Park
Sriperumbudur - 602 105, (TN) INDIA

Tel : +044-27168030/31
CIN : U18101DL1996PLC079003

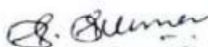
Date: 19th March, 2021

TO WHOM SOEVER IT MAY CONCERN

This is certify to **Mr.A.Mohammed Ibrahim**, (Reg. No.920417208023) student of final year B.Tech in Polymer Technology from The Kamaraj College of Engineering Technology, Virudhunagar, has successfully completed his In plant training in our organization on "Productivity Improvement" from 01-Feb-2021 to 19-Mar-2021.

We wish him all the best in his future endeavours.

For Roop Polymers Ltd.,


(Solomon Jayakumar.S)

HR & Admin



**Selection of alternative materials for LED fixture in
hazardous environment**

A PROJECT REPORT

Submitted by

VIGNESH.P (920417208043)

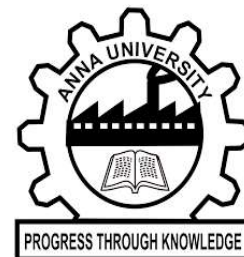
in partial fulfillment for the award of the degree

Of

BACHELOR OF TECHNOLOGY

in

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM-625701 (Near Virudhunagar)

APRIL 2021

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 “**Selection of alternative materials for LED fixture in hazardous environment**” is the bonafide work of “**Vignesh. P (920417208043)**” who carried out the work under my supervision.

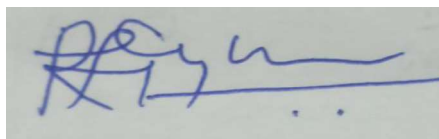


SIGNATURE

**Dr. S. GANDHI, MTech., Ph.D.
Ph.D.
HEAD OF THE DEPARTMENT
ASSOCIATE PROFESSOR
Dept. Of Polymer Technology
Kamaraj College of Engg& Tech.
K. VELLAKULAM-625 701
Madurai**



INTERNAL EXAMINER



SIGNATURE

**Dr. C.T. Vijayakumar, MTech.,
Ph.D.
PROFFESOR
Dept. of Polymer Technology
Kamaraj College of Engg& Tech.
K. VELLAKULAM-625 701
Madurai**



EXTERNAL EXAMINER



Emerson Innovation Center - Pune
Plot No. 23,
Rajiv Gandhi Infotech Park,
MIDC, Phase - II, Hinjawadi,
Village Maan, Taluka - Mulshi,
District Pune - 411 057 (India)

T +91 (20) 4200 1000
F +91 (20) 4200 1001

December 15, 2020

Mr. Vignesh P
Pune

Dear Vignesh,

We are pleased to offer you an opportunity of an internship for a period of 6 months from January 15, 2021 to July 14, 2021.

You will be assigned projects based on the requirement of the project team in the business unit during your internship period.


You will be based in Pune and will be paid a consolidated stipend of **Rs.12,000/- per month** during the internship period.

Any information related to the business of the Company received by you during your internship shall be treated as classified and confidential. You shall not disclose or divulge such confidential information to any third party whatsoever. Please note that you should abide by all rules and regulations of the Company, during your internship period.

This letter and its contents are strictly confidential between you and the company and is **NOT** a matter for discussion with colleagues or work associates. Any disclosure of this information would be considered a serious breach of trust.

Heartiest Congratulations and we welcome you on board.

For Emerson Innovation Center - Pune
(A division of Emerson Electric Co. (India) Pvt. Ltd.)


Laxmikant Dhadge
Manager – Human Resources

Emerson Innovation Center - Pune (A division of Emerson Electric Co. (India) Pvt. Ltd.)
Regd. Office : 604, Delphi Building, B Wing, 6th Floor, Hiranandani Business Park, Hiranandani Gardens, Powai, Mumbai - 400 076, India
CIN No. U29190MH1995PTC087858

Emerson Classification: Confidential

**STUDY OF AGEING CHARACTERS IN PEROXIDE
CURED EPDM FOR
BRAKE HOSE APPLICATION**

PROJECT REPORT

Submitted by

SOWMIYA.A (920417208033)

DEEPA.B (920417208008)

in partial fulfilment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



**DEPARTMENT OF POLYMER TECHNOLOGY
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)
K.VELLAKULLAM – 625 701 (Near Virudhunagar)**

APRIL 2021

**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY(An
Autonomous Institution Affiliated to Anna University, Chennai)
K.VELLAKULLAM – 625 701 (Near Virudhunagar)**

BONAFIDE CERTIFICATE

Certified that this project report “**STUDY OF HEAT AGEING
CHARACTERS IN PEROXIDE CURED EPDM RUBBER FOR
BRAKE HOSE APPLICATION**” is the bonafide work of “**SOWMIYA.A
and DEEPA.B**” who carried out the work under my supervision.



SIGNATURE

Dr.S.GANDHI

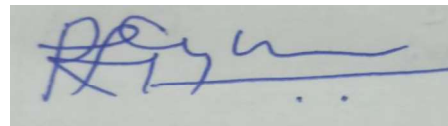
ASSOCIATE PROFESSOR

HEAD OF THE DEARTMENT

Dept. of Polymer Technology

Kamaraj College of Engg. & Tech.

Virudhunagar-626001



SIGNATURE

Dr.Dr(mont.)C.T.VIJAYAKUMAR

PROFESSOR

INTERNAL GUIDE

Dept. of Polymer Technology

Kamaraj College of Engg. & Tech.

Virudhunagar -626001



INTERNAL EXAMINER



EXTERNAL EXAMINER

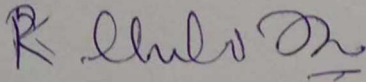
15.03.2021

To Whomsoever It May Concern

This is to certify that **Ms. A. SOWMIYA** (Reg.No:920417208033) IV year B.Tech Polymer Technology student of Kamaraj College of Engineering & Technology, had undergone final year Project Work on “**Study of ageing characters in peroxide cured EPDM for brake hose application**” in our company from 15.02.2021 to 15.03.2021.

During this period, her performance and conduct were found to be good.
We wish her all success in her future endeavors.

For J.K Fenner (India) Limited



R.Chitra Devi
Deputy Manager – HR & Admin

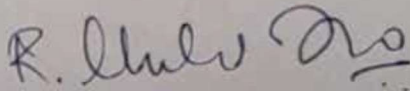
15.03.2021

To Whomsoever It May Concern

This is to certify that **Ms. B. DEEPA (Reg.No:920417208008)** IV year **B.Tech Polymer Technology** student of Kamaraj College of Engineering & Technology, had undergone final year *Project Work* on "**Study of ageing characters in peroxide cured EPDM for brake hose application**" in our company from **15.02.2021 to 15.03.2021**.

During this period, her performance and conduct were found to be good.
We wish her all success in her future endeavors.

For J.K Fenner (India) Limited



R.Chitra Devi
Deputy Manager – HR & Admin

STUDY AND OPTIMIZING THE PARTS PER MILLION(PPM) OF DAMPER FORK COVER

A PROJECT REPORT

Submitted by

MUTHUKUMAR B (920417208301)

SURYA S (920417208307)

AJITH KUMAR K (920417208002)

In partial fulfillment of the award of the degree of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY

KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY

(An autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM-625 701 (Near Virudhunagar)

APRIL 2021

BONAFIDE CERTIFICATE

KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY
(An autonomous Institution Affiliated to Anna University, Chennai)
K.VELLAKULAM-625 701 (Near Virudhunagar)

Certified that this project “**STUDY AND OPTIMIZING THE PARTS PER MILLION OF DAMPER FORK COVER**” is the bonafide work of “**MUTHUKUMAR B , AJITH KUMAR K and SURYA S**” who carried out the project work under my supervision.

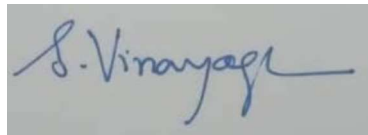


SIGNATURE

Dr. Gandhi, Msc., Ph.D.,
Associate Professor,
HEAD OF THE DEPARTMENT
Dept. of Polymer Technology,
Kamaraj College of Engg&Tech,
Virudhunagar-626001.



INTERNAL EXAMINER



SIGNATURE

Dr. S.Vinayagamorthy, M.Tech., Ph.D.,
Associate professor,
SUPERVISOR
Dept. of Polymer Technology,
Kamaraj College of Engg& Tech
Virudhunagar-626001



EXTERNAL EXAMINER



Roop Polymers Ltd.

F-8/2, SIPCOT Industrial Park
Sriperumbudur - 602 105, (TN) INDIA

Tel : +044-27168030/31
CIN : U18101DL1996PLC079003

Date: 19th March, 2021

TO WHOM SOEVER IT MAY CONCERN

This is certify to **Mr.B Muthu kumar**, (Reg. No.920417208301) student of final year B.Tech in Polymer Technology from The Kamaraj College of Engineering Technology, Virudhunagar, has successfully completed his In plant training in our organization on "PPM Reduction" from 03-Feb-2021 to 19-Mar-2021.

We wish him all the best in his future endeavours.

For Roop Polymers Ltd.,

(Solomon Jayakumar.S)

HR & Admin



Registered Office Address : 1st Floor, Hasan Building, Near Minerva Cinema, Kashmere Gate, Delhi - 110006
Corporate Office : Plot No. 30, Sector-03, IMT Manesar, Gurgaon - 122 050 (Hr.) INDIA
www.rooppolymers.com • sales@rooppolymers.com



Roop Polymers Ltd.

F-8/2, SIPCOT Industrial Park
Sriperumbudur - 602 105, (TN) INDIA

Tel : +044-27168030/31
CIN : U18101DL1996PLC079603

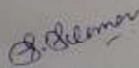
Date: 19th March, 2021

TO WHOM SOEVER IT MAY CONCERN

This is certify to **Mr.S Surya**, (Reg. No.920417208307) student of final year B.Tech in Polymer Technology from The Kamaraj College of Engineering Technology, Virudhunagar, has successfully completed his In plant training in our organization on "PPM Reduction" from 03-Feb-2021 to 19-Mar-2021.

We wish him all the best in his future endeavours.

For Roop Polymers Ltd.,


(Solomon Jayakumar.S)

HR & Admin



Registered Office Address : 1st Floor, Hasan Building, Near Minerva Cinema, Kashmere Gate, Delhi - 110006
Corporate Office : Plot No. 30, Sector-03, IMT Manesar, Gurgaon - 122 050 (Hr.) INDIA
www.rooppolymers.com • sales@rooppolymers.com



Roop Polymers Ltd.

F-8/2, SIPCOT Industrial Park
Sriperumbudur - 602 105, (TN) INDIA

Tel : +044 27168030/31
CIN : U18101DL1998PLC079003

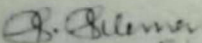
Date: 19th March, 2021

TO WHOM SOEVER IT MAY CONCERN

This is certify to **Mr.K Ajith Kumar**, (Reg. No.920417208002) student of final year B.Tech in Polymer Technology from The Kamaraj College of Engineering Technology, Virudhunagar, has successfully completed his In plant training in our organization on "PPM Reduction" from 03-Feb-2021 to 19-Mar-2021.

We wish him all the best in his future endeavours.

For Roop Polymers Ltd.,


(Solomon Jayakumar.S)

HR & Admin



TEST METHODOLOGY FOR RUBBER CEMENT ADHESION BY PEELING

A PROJECT REPORT

Submitted by

M.GAYATHRI (Reg.no 920417208012)

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

In

POLYMER TECHNOLOGY



**DEPARTMENT OF POLYMER TECHNOLOGY
KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY
(An autonomous Institution Affiliated to Anna University, Chennai)
K.VELLAKULAM-625 701 (Near Virudhunagar)**



APRIL 2021

BONAFIDE CERTIFICATE

KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY
(An autonomous Institution Affiliated to Anna University, Chennai)
K.VELLAKULAM-625 701 (Near Virudhunagar)

Certified that this project work report on “**TEST METHODOLOGY FOR RUBBER CEMENT ADHESION BY PEELING**” is the bonafide work of “**M.Gayathri (920417208012)**”who carried out the project work under my supervision.



SIGNATURE

Dr.S.GANDHIM.Sc., M.Tech., PhD

Associate professor

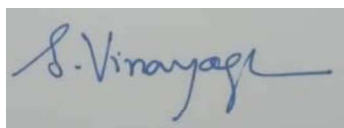
HEAD OF THE DEPARTMENT

Department of Polymer Technology
Kamaraj College of Engg.&Tech.

Virudhunagar.



INTERNAL EXAMINER



SIGNATURE

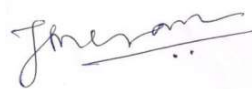
Dr.S.Vinayagamoorthi M.Sc., PhD.,

Associate Professor

SUPERVISOR

Department of Polymer Technology
Kamaraj College of Engg. &Tech.

Virudhunagar.



EXTERNAL EXAMINER



16/04/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. **Gayathri M (REG NO 920417208012)** from "**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**" has successfully completed her **PROJECT in Test Methodology for Rubber Cement Adhesion by Peeling.**

Duration: From **04th Feb2021 to 04th April2021.**

During this period, her performance and conduct was found to be good.

We wish her all success in future endeavors.

For **TVS SRICHAKRA LIMITED**


RATHNA JANANI S P
HR Business Partner

TVS Srichakra Limited
CIN: L25111TN1982PLC009414
Regd. Office: TVS Building, 7-B West Vell Street, Madurai 625 001.
Tel: +91 0452 2356400, Fax: +91 0452 2443466 | Website: www.tvseurogrip.com
Manufacturing Unit: Vellaripatti, Melur Taluk, Madurai - 625 122. Tel: +91 452 2443300

ARRIVING STANDARDS FOR MDR (MOVING DIE RHEOMETER) BY STATISTICAL METHODS

PROJECT REPORT

Submitted by

THAMARAIRAJA M (920417208039)

DINESH S (920417208010)

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

VIRUDHUNAGAR

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM-625701 (Near Virudhunagar)

APRIL 2021

**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
VIRUDHUNAGAR**

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM-625701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that the project report “ARRIVING STANDARDS FOR MDR
(MOVING DIE RHEOMETER) BY STATISTICAL METHODS”
is the bonafide work of “M.THAMARAIRAJA (920417208039) & S.DINESH
(920417208010)” who carried out the project work under my supervision



SIGNATURE

Dr.S.GANDHI,
Head of the Department,
Associate Professor,
Dept. of Polymer Technology,
Kamaraj College of Engg &Tech,
K.Vellakulam, Madurai



SIGNATURE

Dr.R.BASKARAN,
SUPERVISOR ,Associate Professor,
Dept. of Polymer Technology,
Kamaraj College of Engg & Tech,
K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER



**Emerald Resilient Tyre
Manufacturers Pvt Ltd**
(Formerly known as Emerald Resilient Tyre
Manufacturers Private Limited)

CORPORATE OFFICE :
Emerald House
Plot No.2, 2nd Street,
Phase - 1, Porur Garden,
Vanagaram,
Chennai - 600 095.



26th Mar 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. M Thamarai Raja (ID No : 17UPTE013)**, Final year B.Tech Polymer Technology in **KAMARAJ College of Engineering & Technology**, has undergone "**Internship Training**" in our organization from **15th Feb 2021 to 26th Mar 2021**.

During this period his behavior and attendance was good.

We wish him all the best in his future endeavor

Thanking you

Yours faithfully

For **EMERALD RESILIENT TYRE MFRS (P) LTD**

S Sundaram
General Manager





CORPORATE OFFICE :
Emerald House
Plot No.2, 2nd Street,
Phase - 1, Porur Garden,
Vanagaram,
Chennai - 600 095.



26th Mar 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. S DINESH (ID No : 17UPTE026)** , Final year B.Tech Polymer Technology in **KAMARAJ College of Engineering & Technology**, has undergone “**Internship Training**” in our organization from **22nd Feb 2021 to 26th Mar 2021.**

During this period his behavior and attendance was good.

We wish him all the best in his future endeavor

Thanking you

Yours faithfully

For **EMERALD RESILIENT TYRE MFRS (P) LTD**

**S Sundaram
General Manager**



Regd Office: No. 3,9th Lane, Sastri Nagar, Adyar, Chennai, Tamilnadu 600 020, India Cin: U25111TN2002PTC048665
Factory: Plot No. 79 & 80, EPIP Zone, Sipcot Industrial Complex, Gummidipoondi, Thiruvallur District, Tamilnadu 601 201, India
Tel: +91 44 6790 5517 www.emeraldtyres.com

TO REDUCE THE REJECTION RATE OF UPVC WINDOW PROFILE IN EXTRUSION PROCESS

PROJECT REPORT

Submitted by

P.AKASH (920417208004)

A.GURUSARAN (920417208016)

A.SHAHUL HAMEED (920417208305)

in partial fulfilment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



(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).



(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**).

BONAFIDE CERTIFICATE

Certified that the Project report “**TO REDUCE THE REJECTION RATE OF UPVC WINDOW PROFILE IN EXTRUSION PROCESS**” is the bonafide work of “ **P.AKASH (920417208004), A.GURUSARAN (920417208016), A.SHAHUL HAMEED (920417208305)** ” who carried out the project under my supervision.

SIGNATURE

Dr.S.GANDHI, M.Sc., M.Tech., Ph.D.,
HEAD OF THE DEPARTMENT,
Dept. of Polymer Technology,
Kamaraj College of Engineering
and Technology,
K.Vellakulam , Madurai.

SIGNATURE

Mrs.B.SRIBALA, M.Tech,
SUPERVISOR, Associate Professor,
Dept. of Polymer Technology,
Kamaraj College of Engineering
and Technology,
K.Vellakulam , Madurai.

INTERNAL EXAMINER

EXTERNAL EXAMINER

SIGNATURE

SIGNATURE

25, April, 2021



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Akash P** from **"KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY"** has successfully completed his **PROJECT** in **TO REDUCE THE REJECTION RATE OF UPVC WINDOW PROFILE IN EXTRUSION PROCESS**

Duration: From **11thFEB2021** to **30thMAR2021**.

During this period, his performance and conduct was found to be good.

We wish him all success in future endeavors.

For **PROMINANCE PVT LTD**


S.ENIYAN SHIVAM
Director

SF.No. 207/1 B & 1 C, Selakaraichal Road Appanaickenpatti,
Sulur, Coimbatore – 641 402. Tamilnadu, India
Toll-Free No. : 1800 833 4500 | Phone : +91 9500895005

25, April, 2021



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Gurusaran A** from “**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**” has successfully completed his **PROJECT** in **TO REDUCE THE REJECTION RATE OF UPVC WINDOW PROFILE IN EXTRUSION PROCESS**

Duration: From **11thFEB2021** to **30thMAR2021**.

During this period, his performance and conduct was found to be good.

We wish him all success in future endeavors.

For **PROMINANCE PVT LTD**


S.ENIYAN SHIVAM
Director

SF.No. 207/1 B & 1 C, Selakaraichal Road Appanaickenpatti,
Sulur, Coimbatore – 641 402. Tamilnadu, India
Toll-Free No. : 1800 833 4500 | Phone : +91 9500895005

25, April, 2021



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Shahul Hameed A** from **“KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY”** has successfully completed his **PROJECT** in **TO REDUCE THE REJECTION RATE OF UPVC WINDOW PROFILE IN EXTRUSION PROCESS**

Duration: From **11thFEB2021** to **30thMAR2021**.

During this period, his performance and conduct was found to be good.

We wish him all success in future endeavors.

For **PROMINANCE PVT LTD**


S.ENIYAN SHIVAM
Director

SF.No. 207/1 B & 1 C, Selakaraichal Road Appanaickenpatti,
Sulur, Coimbatore – 641 402. Tamilnadu, India
Toll-Free No. : 1800 833 4500 | Phone : +91 9500895005

**COST REDUCTION BY RMA RECLAIMED AND
RECOVERED CARBON WITHOUT
DETERIORATING ITS PROPERTIES**

PROJECT REPORT

Submitted by

JEEVITHA . M (920417208017)

GOMATHIJAYA . R (920417208014)

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

APRIL 2021

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 **“COST REDUCTION BY RMA RECLAIMED**

AND RECOVERED CARBON WITHOUT DETERIORATING ITS

PROPERTIES” is the bonafide work of **"R.GOMATHI JAYA**

(17UPTE042) & M.JEEVITHA (17UPTE017) who carried out the project work under my supervision .



SIGNATURE

Dr.S.GANDHI,

Head of the Department,

Associate Professor,

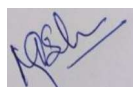
Dept. of Polymer Technology,

Kamaraj College of Engg & Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



SIGNATURE

Dr.M.G.SRIBALA

SUPERVISOR,

Associate Professor,

Dept, of Polymer Technology,

Kamaraj College of Engg & Tech,

K.Vellakulam

Madurai



EXTERNAL EXAMINER



Date: 07/04/2021

Sub: Certificate Of Project Work

This is to Certify that M/s.Jeevitha. M, Reg No:920417208017 from Kamaraj College Of Engineering And Technology, Dept of **Polymer Technology** doing his final year **B.Tech**, has Undergone **Project Work** in Our Origination during the period from 01/02/2021 to 31/03/2021.

Project Topic

1. Cost reduction by RMA or reclaimed & recovered carbon.

She evineed keen interested during the period. We wish him all success in his future endeavours.

Thanking you

for Krishna Rubber Industries

M. Jeevitha M.

Production dept.

KRISHNA RUBBER INDUSTRIES
3/134, New Natham Road,
THIRUPPALAI, MADURAI-625 014 (TN)

KRISHNA RUBBER INDUSTRIES

3/134, New Natham Road, Thiruppalai, Madurai - 625 014.
Tel : +91 452 4255542 GSTIN NO : 33AABFK8726A1ZR
Email ID : krtyes@krn.co.in / krishnarubbermdu@gmail.com
Web : www.krn.co.in

Date: 07/04/2021



Sub: Certificate Of Project Work

This is to Certify that **Mrs.Gomathi Jaya.R, Reg No:920417208014** from **Kamaraj College Of Engineering And Technology, Dept of Polymer Technology** doing his final year **B.Tech**, has Undergone **Project Work** in Our Origination during the period from 01/02/2021 to 31/03/2021.

Project Topic

1. Cost reduction by RMA or reclaimed & recovered carbon.

She evined keen interested during the period. We wish him all success in his future endeavours.

Thanking you

for Krishna Rubber Industries

M. Gopinath Gounder

KRISHNA RUBBER INDUSTRIES
3/134 New Natham Road,
THIRUPPALAI, MADURAI-625 014 (TN)

KRISHNA RUBBER INDUSTRIES
3/134, New Natham Road, Thiruppalai, Madurai - 625 014.
Tel : -91 452 4255542 GSTIN NO 33AABFK8726A1ZR
Email ID : krtyes@kn.co.in / krishnarubbermdu@gmail.com

**REPLACEMENT OF FILLERS IN RUBBER COMPOSITION BY
USING SYCAMORE OAK TREE ASH**

A PROJECT REPORT

Submitted by

SURESH KUMAR.P (Reg. No. 920417208038)

GOKULRAJ.G (Reg. No. 920417208013)

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM-625701 (Near Virudhunagar)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM-625701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this report “**Replacement of fillers in rubber composition by using sycamore oak tree ash**” is the bonafide work of **SURESH KUMAR.P (Reg. No 920417208038)** and **GOKULRAJ.G (Reg. No 920417208013)** who carried out the work under my supervision.



SIGNATURE

Dr.S.GANDHI M.SC., M.Tech., PhD

Associate professor

HEAD OF THE DEPARTMENT

Department of Polymer Technology
Kamaraj college of Engineering and
Technology

K.Vellakulam, Madurai



SIGNATURE

Dr.K.AGATHIAN M.Tech., PhD

Assistant Professor

SUPERVISOR

Department of Polymer Technology
Kamaraj college of Engineering and
Technology

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER



SRI RAMKARTHIC POLYMERS PRIVATE LIMITED

SPECIALIST IN :RUBBER MOULDED COMPONENTS WITH BEST QUALITY



Date: March 22nd, 2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. SURESH KUMAR P (Roll. No.17UPTE031) Final year B.Tech student of Kamaraj College of Engineering & Technology, Virudhunagar, has successfully completed his project title "Replacement of Fillers by Using Sycamore Oak Tree Ash" from 22-Feb-2021 to 22-March-2021

During the commencement of project work he maintained good code of conduct.

We wish all the best for his career.

Thanking You

For Sri Ramkarthic Polymers Pvt. Ltd.,


S Ramachandran
General Manager

D.NO. 2/1-1&2, S.F. NO. : 237/1B & 2A, KOVILPALAYAM TO THUDIYALUR ROAD, NEXT TO V.J. SINTEX MILL, KOTTAIPALAYAM,
KONDAYAMPALAYAM PANCHAYAT, ANNUR TALUK, COIMBATORE - 641 110.

GSTIN : 33AAQCS8827C1Z4

CIN : U25200TZ2011PTC017475

PAN : AAQCS8827C

✉ info@srkpolymers.com / p.ramachandran@srkpolymers.com ☎ 0422 2653123 / 2654234 📞 +91 98422 86664 🌐 www.srkpolymers.com



SRI RAMKARTHIC POLYMERS PRIVATE LIMITED

SPECIALIST IN : RUBBER MOULDED COMPONENTS WITH BEST QUALITY



Date: March 22nd, 2021

TO WHOM SO EVER IT MAY CONCERN

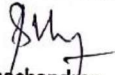
This is to certify that Mr. GOKUL RAJ G (Roll. No.17UPT020) Final year B.Tech student of Kamaraj College of Engineering & Technology, Virudhunagar, has successfully completed his project title "Replacement of Fillers by Using Sycamore Oak Tree Ash" from 22-Feb-2021 to 22-March-2021

During the commencement of project work he maintained good code of conduct.

We wish all the best for his career.

Thanking You

For Sri Ramkarthic Polymers Pvt. Ltd.,


S Ramachandran
General Manager

D.NO. 2/1-1&2, S.F. NO. : 237/1B & 2A, KOVILPALAYAM TO THUDIYALUR ROAD, NEXT TO V.J. SINTEX MILL, KOTTAIPALAYAM,
KONDAYAMPALAYAM PANCHAYAT, ANNUR TALUK, COIMBATORE - 641 110.

GSTIN : 33AAQCS8827C1Z4

CIN : U25200TZ2011PTC017475

PAN : AAQCS8827C

✉ info@srkpolymers.com / p.ramachandran@srkpolymers.com ☎ 0422 2653123 / 2654234 📞 +91 98422 86664 🌐 www.srkpolymers.com

**SIMULATION AND OPTIMIZATION OF MOSQUITO
CATCHER PRODUCT IN MOULDING
& MOULDFLOW**

A PROJECT REPORT

Submitted by

SAKTHI GANESH. R (Reg.no 920417208302)

In partial fulfillment for the award of the degree

Of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VALLAKULAM-625701 (Near Virudhunagar)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VALLAKULAM-625701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this project work report on “**Simulation and Optimization of Mosquito Catcher Product in Moulding & Mould Flow**” is the bonafide work of “**SAKTHI GANESH .R**” who carried out the project work under my supervision.



SIGNATURE

Dr.S.GANDHI M.Sc., M.Tech., Ph.D.

Associate professor

HEAD OF THE DEPARTMENT

Department of Polymer Technology

Kamaraj College of Engg & Tech

Virudhunagar.



SIGNATURE

Dr. K.AGATHIAN M.Tech.,Ph.D.

Assistant professor

SUPERVISOR

Department of Polymer Technology

Kamaraj College of Engg & Tech

Virudhunagar.



INTERNAL EXAMINER



EXTERNAL EXAMINER

TO WHOM SO EVER IT MAY CONCERN

This is certify that **Mr. SAKTHI GANASH. R (Roll. No. 17UPTE047)** final year **B. Tech –polymer technology** student of Kamarajar College of engineering and technology, virudhunagar, has successfully completed his project title “**Simulation and Optimization of Mosquito Catcher Product in Molding & Mold Flow**” from the period of 25-Jan-2021 to 23-Mar-2021.

During the commencement of project work he maintained good code of conduct.

We wish all the best to his career.

For TACT ZEAL



(A. VASANTH)
Business Partner

TACTZEAL

No.54, Naduvalavu Gounder Thottam,
MGR Nagar, Goldwins,
Coimbatore - 641 014



info@tactzeal.com



+91-9994097238, +91-9597796226,
+91-9786777288



www.tactzeal.com



No 26B/54, Naduvalavu Gounder Thottam,
MGR Nagar, Goldwins, Coimbatore-641014

IMPROVING MECHANICAL PROPERTIES OF NBR COMPOUND BY ADDING WHITE FILLERS

A PROJECT REPORT

Submitted by

GUNAPRIYA A (920417208015)

NIVETHA J (920417208026)

RESHMA M (920417208029)

In partial fulfillment for the award of the degree

Of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

APRIL 2021

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 work report on “**Improving Mechanical Properties of NBR Compound by Adding White Fillers**” is the bonafide work of “**A.Gunapriya(920417208015), J.Nivetha(920417208026)and M.Reshma (920417208029)**” who carried out the project work under my supervision.



SIGNATURE

Dr.S.GANDHI M.Sc., M.Tech.,PhD

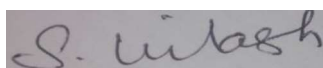
Associate Professor

HEAD OF THE DEPARTMENT

Department of Polymer Technology

Kamaraj College of Engg & Tech

Virudhunagar



SIGNATURE

Dr.S.KAILASH M.Tech.,Ph.D

Assistant Professor

INTERNAL GUIDE


Department of Polymer Technology

Kamaraj College of Engg & Tech

Virudhunagar



INTERNAL EXAMINER



EXTERNAL EXAMINER



BHARGAVE RUBBER PRIVATE LTD.,

Manufacturers : 'SPARK' Oil Seals 'O' Rings and MRP's.



26/04/2021

The Head of the Department,
Kamaraj College of Engineering and Technology (Atonomous),
Madurai.

To Whomsoever It may Concern

This is to certify that **Ms. A.Gunapriya (920417208015) B.Tech (Polymer Technology)** Final Year Student of your college has undergone Project on **"Improving Mechanical Properties of NBR Compound by Adding White Filler"** in our organization from 01.03.2021 to 31.03.2021.

Thanking You,

For Bhargave Rubber Pvt Ltd

(A.Lakshmi Narasimhan)
Director

CIN U25190TN2011PTC079484

IEC No: 3511001285

GSTIN :33AAECB4728K1ZO

Regd. Office : TARA GARDENS, 342-Melakkal Main Road, Kochadai, Madurai - 625 016, S.India.

Tel.No.:+91-452-2384541, 2384542

Website : www.bhargaveindustries.in E- mail : bhargave95@yahoo.com, bhargave06@yahoo.co.in

IATF 16949 : 2016 certified Company



BHARGAVE RUBBER PRIVATE LTD.,

Manufacturers : 'SPARK' Oil Seals 'O' Rings and MRP's.



26/04/2021

The Head of the Department,
Kamaraj College of Engineering and Technology (Atonomous),
Madurai.

To Whomsoever It may Concern

This is to certify that **Ms. J.Nivetha (920417208026) B.Tech (Polymer Technology)** Final Year Student of your college has undergone Project on **"Improving Mechanical Properties of NBR Compound by Adding White Filler"** in our organization from 01.03.2021 to 31.03.2021.

Thanking You,

For Bhargave Rubber Pvt Ltd

(A.Lakshmi Narasimhan)
Director

CIN U25190TN2011PTC079484

IEC No: 3511001285

GSTIN :33AAECB4728K1Z0

Regd. Office : TARA GARDENS, 342-Melakkal Main Road, Kochadai, Madurai - 625 016, S.India ,

Tel.No.:+91-452-2384541, 2384542

Website : www.bhargaveindustries.in E- mail : bhargave95@yahoo.com, bhargave06@yahoo.co.in

IATF 16949 : 2016 certified Company



BHARGAVE RUBBER PRIVATE LTD.,

Manufacturers : 'SPARK' Oil Seals 'O' Rings and MRP's.



26/04/2021

The Head of the Department,
Kamaraj College of Engineering and Technology (Atonomous),
Madurai.

To Whomsoever It may Concern

This is to certify that **Ms. M.Reshma (920417208029) B.Tech (Polymer Technology)** Final Year Student of your college has undergone Project on **“Improving Mechanical Properties of NBR Compound by Adding White Filler”** in our organization from 01.03.2021 to 31.03.2021.

Thanking You,

For Bhargave Rubber Pvt Ltd

(A.Lakshmi Narasimhan)
Director

CIN U25190TN2011PTC079484

IEC No: 3511001285

GSTIN :33AAECB4728K1ZO

Regd. Office : TARA GARDENS, 342-Melakkal Main Road, Kochadai, Madurai - 625 016, S.India.

Tel.No.:+91-452-2384541, 2384542

Website : www.bhargaveindustries.in E- mail : bhargave95@yahoo.com, bhargave06@yahoo.co.in

IATF 16949 : 2016 certified Company

**TRANSFORMATION OF GASKETS FROM
COMPRESSION TO INJECTION MOULDING**

A PROJECT REPORT

Submitted by

RAJAPANDI.D (920417208027)

RAJESH KANNA.S (920417208028)

in partial fulfillment of the award of the degree

of

BACHELOR OF TECHNOLOGY

in

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

APRIL2021

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

BONAFIDE CERTIFICATE

Certify that this project report “**TRANSFORMATION OF GASKET FROM COMPRESSION TO INJECTION MOULDING**” is the bonafide work of **D.RAJAPANDI (920417208027)** and **S.RAJESH KANNA (920417208028)** who carried out the project work under my supervision.

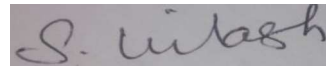


SIGNATURE

Dr.S.GANDHI, M.Sc., M.Tech., Ph.D
Associate professor,
HEAD OF THE DEPARTMENT,
Department of Polymer Technology,
Kamaraj college of Engineering and
Technology,
K.Vellakulam, Madurai.



INTERNAL EXAMINER



SIGNATURE

Dr.S.KAILASH, M.Tech., Ph.D.
Assistant Professor,
SUPERVISOR,
Department of Polymer Technology,
Kamaraj college of Engineering and
Technology,
K.Vellakulam, Madurai.



EXTERNAL EXAMINER

ACKNOWLEDGEMENT

We thank our principle **Dr. ANANT ACHARY M.Tech., Ph.D.** and the management of our college for providing us the necessary facilities for conducting this project.

We wish to extend our gratitude and grateful thanks to our Head of the Department **Dr.S.GANDHI M.Tech., Ph.D.** for giving us the professional ideas from time to time.

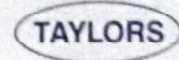
We thank our project internal supervisor **Dr.S.KAILASH M.Tech., Ph.D.** for his invaluable helps us to carry out our project successfully in a correct way.

We wish to extend our great fullness to **Mr.N.R SRINIVASAN** (President), **Mr. SURESH BABU** (Chief Operating Officer), **Mr.P.PUVIRAJ B.Tech.,**(Glassware Manager), who paved the way to do this project work in their esteemed concern Taylor Rubber Private Limited ., Thriumudivakkam, Chennai.

Our Special thanks to **Dr.R.BASKARAN M.Tech., Ph.D.** for their invaluable help.



TAYLOR RUBBER PVT. LTD.,



Plot No. 283, SIDCO Industrial Estate, Thirumudivakkam, Chennai - 600 044.

Phone : 0091 - 44 - 4242 9292 / 4242 9283

E-mail : info@taylorryubber.com, nrs@taylorryubber.com,

Website : www.taylorryubber.com ★ GST No : 33AABCT0089N1Z5

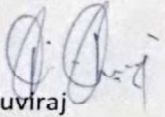
Date :31.03.2021

CERTIFICATE

This is certify that **Mr. D.Rajapandi**, B.Tech Polymer Technology Student “Kamaraj College of Engineering & Technology” has done his project work titled **Conversion of Gaskets from compression molding to injection molding** with us from 1st Feb 2021 to 31st march 2021.

We have noticed that during the period he has shown keep interest in his assignment and was also regular in attendance.

For Taylor Rubber Private Limited.


P.Puviraj

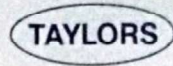
Factory Manger



AN IATF 16949 COMPANY



TAYLOR RUBBER PVT. LTD.,



Plot No. 283, SIDCO Industrial Estate, Thirumudivakkam, Chennai - 600 044.

Phone : 0091 - 44 - 4242 9292 / 4242 9283

E-mail : info@taylorryubber.com, nrs@taylorryubber.com,

Website : www.taylorryubber.com ★ GST No : 33AABCT0089N1Z5

Date :31.03.2021

CERTIFICATE

This is certify that **Mr. S.Rajesh Kanna** , B.Tech Polymer Technology Student "Kamaraj College of Engineering & Technology" has done his project work titled **Conversion of Gaskets from compression molding to injection molding** with us from 1st Feb 2021 to 31st march 2021.

We have noticed that during the period he has shown keep interest in his assignment and was also regular in attendance.

For Taylor Rubber Private Limited.

P.Puviraj

Factory Manger



AN IATF 16949 COMPANY

**COST OPTIMIZATION OF RUBBER COMPOUND IN
DIAPHRAGM APPLICATION**

A PROJECT REPORT

Submitted by

JOHN NIKKALSHAN.N (Reg. No. 920417208018)

MARIMUTHU.S (Reg. No. 920417208021)

SURESH BABU.M (Reg. No. 920417208037)

SASIKUMAR.B (Reg. No. 920417208303)

In partial fulfillment for the award of the degree

Of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY

KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY

VIRUDHUNAGAR



DEPARTMENT OF POLYMER TECHNOLOGY



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM-625701 (Near Virudhunagar)

APRIL 2021

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

K. VELLAKULAM-625701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this project work report on “**COST OPTIMIZATION OF RUBBER COMPOUND IN DIAPHRAGM APPLICATIONS**” is the bonafide work of “**JOHNNIKKALSHAN.N (Reg. No. 920417208018), MARIMUTHU.S (Reg. No. 920417208021), SURESHBABU.M (Reg. No. 920417208037) and SASIKUMAR.B (Reg. No. 920417208303)**” who carried out the project work under my supervision.



SIGNATURE

Dr.S.GANDHI M.Sc., M.Tech., PhD

Associate professor

HEAD OF THE DEPARTMENT

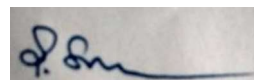
Department of Polymer Technology

Kamaraj College of Engg & Tech

Virudhunagar.



INTERNAL EXAMINER



SIGNATURE

Mr.S.SIVAKUMARAVEL M.Tech.,

Assistant professor

SUPERVISOR

Department of Polymer Technology

Kamaraj College of Engg & Tech

Virudhunagar.



EXTERNAL EXAMINER



**MEGA RUBBER
TECHNOLOGIES PVT. LTD.,**



Reg Office : 77 Mistri Industrial Complex, MIDC Cross Road 'A' Andheri (E) Mumbai - 400 093. Tel : 022-26870441 / 26870494 Fax : 022-26870239

Date: 19.04.2021

To whomsoever it may concern

This is to certify that John Nikkalshan N (920417208018), Marimuthu S (920417208021), Suresh Babu M (920417208037), Sasikumar B (920417208303) of Kamaraj College of Engineering & Technology, Virudhunagar has successfully completed their project on "Cost Optimization of Rubber Compound in Diaphragm Application " from 27.01.2021 to 27.03.2021 with Mega Rubber Technologies Pvt. Ltd. Hosur.

Sanjay Anand
Head-HR

TROUBLE SHOOTING IN EXTRUSION PROCESS OF UPVC

A PROJECT REPORT

Submitted by

P.BHUVANESHWARAR (920417208007)

In partial fulfillment for the award of the degree

Of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM-625701 (Near Virudhunagar)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM-625701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this project work report on “**TROUBLE SHOOTING IN EXTRUSION PROCESS OF UPVC**” is the bonafide work of “**P.BHUVANESHWARAR (920417208007)** who carried out the project work under my supervision.



SIGNATURE

SIGNATURE

Dr.S.GANDHI M.Sc.,M.Tech., PhD

Mr.S.SIVAKUMARAVEL M.Tech.,

Associate professor

Assistant professor

HEAD OF THE DEPARTMENT

SUPERVISOR

Department of Polymer Technology

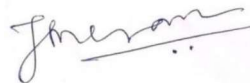
Department of Polymer Technology

Kamaraj College of Engg & Tech

Kamaraj College of Engg & Tech

Virudhunagar.

Virudhunagar.



INTERNAL EXAMINER

EXTERNAL EXAMINER

25, April, 2021



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Bhuvaneshwarar P** from “**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**” has successfully completed his **PROJECT** in **TO REDUCE THE REJECTION RATE OF UPVC WINDOW PROFILE IN EXTRUSION PROCESS**

Duration: From **11thFEB2021** to **30thMAR2021**.

During this period, his performance and conduct was found to be good.

We wish him all success in future endeavors.

For **PROMINANCE PVT LTD**

A handwritten signature in blue ink, appearing to read "S. Eniyam Shivam".

S.ENIYAN SHIVAM

Director

SF.No. 207/1 B & 1 C, Selakaraichal Road Appanaickenpatti,
Sulur, Coimbatore – 641 402. Tamilnadu, India

Toll-Free No. : 1800 833 4500 | Phone : +91 9500895005

CONSOLIDATION OF PHYSICAL PROPERTIES OF COMPOUNDS AGAINST VARIOUS CUSTOMERS

PROJECT REPORT

Submitted by

SELVANAYAGI K (920417208304)

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VALLAKULAM-625701 (Near Virudhunagar)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VALLAKULAM-625701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this project work report on “**CONSOLIDATION OF PHYSICAL PROPERTIES OF COMPOUNDS AGAINST VARIOUS CUSTOMERS**” is the bonafide work **Selvanayagi K**” who carried out the project work under my supervision

SIGNATURE

Dr.S.GANDHI M.Sc., M.Tech., Ph.D

Associate professor

HEAD OF THE DEPARTMENT

Department of Polymer Technology

Kamaraj College of Engg & Tech

K.vellakulam, Madurai

INTERNAL EXAMINER

SIGNATURE

Dr. K.PONPRAPAKARN, Ph.D

Assistant professor

SUPERVISOR

Department of Polymer Technology

Kamaraj College of Engg & Tech

K.vellakulam, Madurai

EXTERNAL EXAMINER

SUNDARAM INDUSTRIES PRIVATE LIMITED
Rubber Factory : Post Box No.6, Usilampatti Road
Kochadai, Madurai-625 016, -India
Ph : 91-452-4348888, Fax : 91 - 452 - 2381240
CIN NO : U65991TN1943PTC002656
Website : www.tvrubber.com


23.04.2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.K.SELVANAYAGI** ,
IV Year – B.Tech(Polymer Technology) student of Kamaraj College of
Engineering and Technology has done a Project titled
**"CONSOLIDATION OF PHYSICAL PROPERTIES OF
COMPOUNDS AGAINST VARIOUS CUSTOMERS"** in our
organization from **16.01.2021 to 16.04.2021**

We wish her all the best

For **SUNDARAM INDUSTRIES PVT LIMITED**


K.N. BETRAAJ
General Manager – HR

TVS RUBBER

Registered Office : TVS Building, West Veil Street, Madurai - 625 001
Central Marketing Office : V Floor, 14, Whites Road, Chennai - 600 014

**REDUCE REJECTION IN B2U UPPERCASE B2U
INSERT LENS SPTA RING IN AUTOMOTIVE
APPLICATIONS**

A PROJECT REPORT

Submitted by

ARUN KATHIRAVAN.T (920417208005)

KARTHIK RAJA.J (920417208019)

S.THIVAKAR (920417208040)

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VALLAKULAM-625701 (Near Virudhunagar)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University , Chennai)

K.VELLAKULAM - 625701 (Near Virudhunagar), Madurai.

BONAFIDE CERTIFICATE

Certified that the Project report “**REDUCE REJECTION IN B2U UPPERCASE B2U INSERT LENS SPTA RING IN AUTOMOTIVE APPLICATIONS**” is the bonafide work of “**T.ARUN KATHIRAVAN (920417208005), J.KARTHIK RAJA(920417208019), S.THIVAKAR (920417208040)**” who carried out the project under my supervision.



SIGNATURE

Dr.S.Gandhi M.Tech.,Ph.D.,

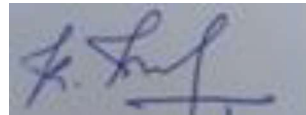
HEAD OF THE DEPARTMENT

Associate professor

Department of Polymer Technology

Kamaraj college of Engg&Tech,

K.Vellakulam, Madurai



SIGNATURE

Dr.K.Ponprapakaran, Ph.D

SUPERVISOR

Assistant professor


Department of Polymer Technology

Kamaraj college of Engg&Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER



Date: 30-03-2021

TO WHOMSO MA NCE

This is to certify that Mr. Thivakar S (Reg. No: 17UPTE032) student of Final Year B.Tech (Polymer Technology) at Kamaraj College Of Engineering & Technology, Virudhunagar, had undergone 30 Days Project Program from 22-02-2021 to 30-03-2021 completed successfully.

We wish success in his future endeavour.

For PRECITEK EXPORTS


Nagesh Kumar
General Manager



PRECITEK EXPORTS

DP.225B. 226, Industrial Estate, Thirumudivakkam, Chennai-600 044, India.
Phone : +91-44-42852016. Email ID : info@precitekexports.com



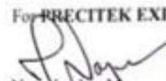
Date: 30-03-2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Arun Kathiravan T (Reg. No: 17UPTE022) student of Final Year B.Tech (Polymer Technology) at Kamaraj College Of Engineering & Technology, Virudhunagar, had undergone 30 Days Project Program from 22-02-2021 to 30-03-2021 completed successfully.

We wish success in his future endeavour.

For PRECITEK EXPORTS


Nagasankar M
General Manager



PRECITEK EXPORTS

DP,225B, 226, Industrial Estate, Thirumudivakkam, Chennai-600 044, India.
Phone : +91-44-42852016. Email ID : info@precitekexports.com




Date: 30-03-2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Karthik Raja J (Reg. No: 17UPTE034) student of Final Year B.Tech (Polymer Technology) at Kamaraj College Of Engineering & Technology, Virudhunagar, had undergone 30 Days Project Program from 22-02-2021 to 30-03-2021 completed successfully.

We wish success in his future endeavour.

For PRECITEK EXPORTS


Nagahankar
General Manager



COST REDUCTION BY ISNR RECLAIMED AND RECOVERED CARBON

PROJECT REPORT

Submitted by

VENKATESH KUMAR (920417208042)

NISHANTH.M (920417208025)

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

POLYMER TECHNOLOGY



DEPARTMENT OF POLYMER TECHNOLOGY



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

APRIL 2021

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 **“COST REDUCTION BY ISNR RECLAIMED AND RECOVERED CARBON”** is the bonafide work of **"P.VENKATESH KUMAR (920417208042) & M.NISHNATH (920417208025)**who carried out the project work under my supervision .

SIGNATURE

Dr.S.GANDHI,

Head of the Department,

Associate Professor,

Dept. of Polymer Technology,

Kamaraj College of Engg& Tech,

K.Vellakulam, Madurai

SIGNATURE

Dr.R.BASKARAN,

SUPERVISOR,

Associate Professor,

Dept, of Polymer Technology,

Kamaraj College of Engg&Tech,

K.Vellakulam, Madurai

INTERNAL EXAMINER

EXTERNAL EXAMINER



Date: 03/04/2021

Sub: Certificate Of Project Work

This is to Certify that **Mr.Venkatesh Kumar.P**, Reg No:920417208042 from Kamaraj College Of Engineering And Technology. Dept of **Polymer Technology** doing his final year **B.Tech**, has Undergone **Project Work** in Our Origination during the period from 01/03/2021 to 31/03/2021.


Project Topic

1. Cost reduction by ISNR or reclaimed & recovered carbon.

He evineed keen interested during the period. We wish him all success in his future endeavours.

Thanking you

for Krishna Rubber Industries

A.G. 
Production dept. 3/4/21

KRISHNA RUBBER INDUSTRIES
3/134, New Natham Road,
THIRUPPALAI, MADURAI- 625 014 (TN)

KRISHNA RUBBER INDUSTRIES

3/134, New Natham Road, Thiruppalai, Madurai - 625 014.

Tel : +91 452 4255542 GSTIN NO : 33AABFK8726AIZR

Email ID : krtyes@kri.co.in / krishnarubbermdu@gmail.com

Web : www.kri.co.in

Scanned with CamScanner



Date: 03/04/2021

Sub: Certificate Of Project Work

This is to Certify that **Mr.Nishanth.M** ,Reg No:920417208025 from Kamaraj College Of Engineering And Technology. Dept of **Polymer Technology** doing his final year **B.Tech**, has Undergone **Project Work** in Our Origination during the period from 01/03/2021 to 31/03/2021.

Project Topic

1. Cost reduction by ISNR or reclaimed & recovered carbon.

He evineed keen interested during the period. We wish him all success in his future endeavours.

Thanking you

for Krishna Rubber Industries

D.A. L...

Production dept.

3/4/21

KRISHNA RUBBER INDUSTRIES

3/134. New Natham Road,
THIRUPPALAI, MADURAI- 625 014 (T.)

KRISHNA RUBBER INDUSTRIES

3/134, New Natham Road, Thiruppalai, Madurai - 625 014.

Tel : +91 452 4255542 GSTIN NO : 33AABFK8726AIZR

Email ID : krtyes@kri.co.in / krishnarubbermdu@gmail.com

Web : www.kri.co.in