MAIN PROJECT - 2018-22
Batch Students Name List

DEPT. WISE NO.	DEPT.	REG. NO. OF CANDIDATE	NAME OF THE CANDIDATE
1	CIVIL ENGINEERING	ATP18CE001	ABHISHEK S
2	CIVIL ENGINEERING	ATP18CE002	ARJUN SATHEESH
3	CIVIL ENGINEERING	ATP18CE003	ASHA.K
4	CIVIL ENGINEERING	ATP18CE004	GOPIKA VIJAYAN
5	CIVIL ENGINEERING	ATP18CE005	HARIHARAN. G
6	CIVIL ENGINEERING	ATP18CE006	HARIPRIYA UNNIKRISHNAN NAIR
7	CIVIL ENGINEERING	ATP18CE007	KEERTHY UNNIKRISHNAN
8	CIVIL ENGINEERING	ATP18CE008	MEERA R
9	CIVIL ENGINEERING	ATP18CE009	NIKHIL.S
10	CIVIL ENGINEERING	ATP18CE010	N SHAJUN MOHAMMED
11	CIVIL ENGINEERING	ATP18CE011	PRIYA V P
12	CIVIL ENGINEERING	ATP18CE012	R SUSMIYA
13	CIVIL ENGINEERING	ATP18CE013	SNEHITH.S
14	CIVIL ENGINEERING	ATP18CE014	SRUTHI K
15	CIVIL ENGINEERING	ATP18CE015	SUDHEEP. A
16	CIVIL ENGINEERING	ATP18CE016	VARSHA V
17	CIVIL ENGINEERING	ATP18CE017	VARSHA. V
18	CIVIL ENGINEERING	LATP18CE018	SOUMYA .R
1	COMPUTER SCIENCE & ENGINEERING	ATP18CS001	ABHINAV PALLATH
2	COMPUTER SCIENCE & ENGINEERING	ATP18CS002	AISWARYA K
3	COMPUTER SCIENCE & ENGINEERING	ATP18CS003	AISWARYA P B
4	COMPUTER SCIENCE & ENGINEERING	ATP18CS004	AKHILA.G
5	COMPUTER SCIENCE & ENGINEERING	ATP18CS005	AKSHAY. K.S
6	COMPUTER SCIENCE & ENGINEERING	ATP18CS006	AKSHITH K M
7	COMPUTER SCIENCE & ENGINEERING	ATP18CS008	ARCHANA S
8	COMPUTER SCIENCE & ENGINEERING	ATP18CS009	ASWATHY K
9	COMPUTER SCIENCE & ENGINEERING	ATP18CS010	BABITHU.V
10	COMPUTER SCIENCE & ENGINEERING	ATP18CS011	DHANUSH. S
11	COMPUTER SCIENCE & ENGINEERING	ATP18CS012	DRISHYA P

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12	COMPUTER SCIENCE & ENGINEERING	ATP18CS013	ELSON ISSAC
13	COMPUTER SCIENCE & ENGINEERING	ATP18CS015	GOUTHAM G SURESH
14	COMPUTER SCIENCE & ENGINEERING	ATP18CS016	GOWTHAMI.B
15	COMPUTER SCIENCE & ENGINEERING	ATP18CS017	JUSTINE PAULSON
16	COMPUTER SCIENCE & ENGINEERING	ATP18CS019	KEERTHY R
17	COMPUTER SCIENCE & ENGINEERING	ATP18CS020	KRISHNANUNNI SUNIL
18	COMPUTER SCIENCE & ENGINEERING	ATP18CS021	NIKHIL M
19	COMPUTER SCIENCE & ENGINEERING	ATP18CS022	PRABANCH RAJESH. C.V
20	COMPUTER SCIENCE & ENGINEERING	ATP18CS023	PRAJEESH. P.K
21	COMPUTER SCIENCE & ENGINEERING	ATP18CS024	SHARATH MUKUNDAN
22	COMPUTER SCIENCE & ENGINEERING	ATP18CS025	SHARAN MURALEEDHARAN
23	COMPUTER SCIENCE & ENGINEERING	ATP18CS026	SIVARAJ C R
24	COMPUTER SCIENCE & ENGINEERING	ATP18CS027	SREEKUTTY S
25	COMPUTER SCIENCE & ENGINEERING	ATP18CS028	SUHARA FATHIMA S
26	COMPUTER SCIENCE & ENGINEERING	ATP18CS029	ULLAS A P
27	COMPUTER SCIENCE & ENGINEERING	ATP18CS031	VISHNU M
28	COMPUTER SCIENCE & ENGINEERING	ATP18CS032	VYSHNAV. S
29	COMPUTER SCIENCE & ENGINEERING	LATP18CS033	HARI KRISHNA.S
1	ELECTRONICS & COMMUNICATION ENGG	ATP18EC002	AKSHAYKANNAN.S.K
2	ELECTRONICS & COMMUNICATION ENGG	ATP18EC003	AMAL B
3	ELECTRONICS & COMMUNICATION ENGG	ATP18EC005	ANOOP A
4	ELECTRONICS & COMMUNICATION ENGG	ATP18EC006	ANUSREE S
5	ELECTRONICS & COMMUNICATION ENGG	ATP18EC007	HARIPRASAD.S
6	ELECTRONICS & COMMUNICATION ENGG	ATP18EC008	JYOTHSNA BHADRA S
7	ELECTRONICS & COMMUNICATION ENGG	ATP18EC009	KAVYA MUKUNDAN
8	ELECTRONICS & COMMUNICATION ENGG	ATP18EC010	LUBUNA ANJUM M
9	ELECTRONICS & COMMUNICATION ENGG	ATP18EC011	MEGHA J DAS

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11	ELECTRONICS & COMMUNICATION ENGG	ATP18EC013	P R SREYA
12	ELECTRONICS & COMMUNICATION ENGG	ATP18EC014	RESHMA. R
13	ELECTRONICS & COMMUNICATION ENGG	ATP18EC015	SANJAY S
14	ELECTRONICS & COMMUNICATION ENGG	ATP18EC016	SHAFNA N
15	ELECTRONICS & COMMUNICATION ENGG	ATP18EC017	SHAMNA S
16	ELECTRONICS & COMMUNICATION ENGG	ATP18EC018	SHILPA. S
17	ELECTRONICS & COMMUNICATION ENGG	ATP18EC019	SNEHA RAGHUNATH
18	ELECTRONICS & COMMUNICATION ENGG	ATP18EC020	SREEDEVI.R
19	ELECTRONICS & COMMUNICATION ENGG	ATP18EC021	SUMESH.M
20	ELECTRONICS & COMMUNICATION ENGG	ATP18EC022	S VISHNU
1	ELECTRICAL AND ELECTRONICS ENGINEERING	ATP18EE001	A KAREEM ARSHAD
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4	ELECTRICAL AND ELECTRONICS ENGINEERING	ATP18EE004	ANUJITH.S
5	ELECTRICAL AND ELECTRONICS ENGINEERING	ATP18EE005	ARJUN K
6	ELECTRICAL AND ELECTRONICS ENGINEERING	ATP18EE006	HRITHIK. H
7	ELECTRICAL AND ELECTRONICS ENGINEERING	ATP18EE007	JAMSHEER. J
8	ELECTRICAL AND ELECTRONICS ENGINEERING	ATP18EE008	RAHUL R
9	ELECTRICAL AND ELECTRONICS ENGINEERING	ATP18EE009	RASHIK S A
10	ELECTRICAL AND ELECTRONICS ENGINEERING	ATP18EE010	SREEJITH A
11	ELECTRICAL AND ELECTRONICS ENGINEERING	LATP18EE011	ASUN.K.S
12	ELECTRICAL AND ELECTRONICS ENGINEERING	LATP18EE012	RAHUL B
4	MECHANICAL ENGINEERING	ATP17ME042	VIKAS C
5	MECHANICAL ENGINEERING	ATP17ME045	VISHNU RAJESH
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9	MECHANICAL ENGINEERING	ATP18ME006	ANIRUDHAN.T.P

10	MECHANICAL ENGINEERING	ATP18ME007	ASWAN . A
11	MECHANICAL ENGINEERING	ATP18ME008	ASWIN KANNAN
12	MECHANICAL ENGINEERING	ATP18ME009	A VINAYAK
13	MECHANICAL ENGINEERING	ATP18ME010	C S AMAL
14	MECHANICAL ENGINEERING	ATP18ME012	GOKUL. P. NAIR
15	MECHANICAL ENGINEERING	ATP18ME014	MOHAMMED HARIS K C
16	MECHANICAL ENGINEERING	ATP18ME015	NISHANT K NAIR
17	MECHANICAL ENGINEERING	ATP18ME016	RAVIN RAMACHANDRAN
18	MECHANICAL ENGINEERING	ATP18ME017	SANOJ.R.KRISHNAN
19	MECHANICAL ENGINEERING	ATP18ME018	SARAN S
20	MECHANICAL ENGINEERING	ATP18ME019	SIDHARTH J
21	MECHANICAL ENGINEERING	ATP18ME020	SREEJITH S
22	MECHANICAL ENGINEERING	ATP18ME021	SUMESH. S
23	MECHANICAL ENGINEERING	ATP18ME022	SYLESH SREEHARI
24	MECHANICAL ENGINEERING	ATP18ME023	VIJITH.K
25	MECHANICAL ENGINEERING	ATP18ME024	VISHNU NAG R
26	MECHANICAL ENGINEERING	LATP18ME025	ABIJITH . M
27	MECHANICAL ENGINEERING	LATP18ME026	ASISH .K.C
28	MECHANICAL ENGINEERING	LATP18ME027	KISHOR K
29	MECHANICAL ENGINEERING	LATP18ME028	PRAVEEN K

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Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
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STABILIZATION OF SUBGRADE SOIL USING ALCCOFINE AND WASTE PLASTIC BOTTLE STRIPS

A PROJECT REPORT

Submitted by

ARJUN SATHEESH (ATP18CE002)

HARIHARAN G (ATP18CE005)

SNEHITH S (ATP18CE013)

for the partial fulfilment for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

of the A P J Abdul Kalam Technological University

Under the Guidance of

Mrs. GOPIKA UNNI



DEPARTMENT OF CIVIL ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY

PALAKKAD

JUNE 2022

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DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the report entitled **"STABILIZATION OF SUBGRADE SOIL USING ALCCOFINE AND WASTE PLASTIC BOTTLE STRIPS"** submitted by **ARJUN SATHEESH (ATP18CE002), HARIHARAN G (ATP18CE005), SNEHITH S (ATP18CE013)** to the APJ Abdul Kalam Technological University in partial fulfillment for the award of the Degree in Civil Engineering is a bonafide record of the project work carried out by him/her under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

Guide/Supervisor

Name : Mrs. GOPIKA UNNI

Signature : .....

Co-Guide/Co-Supervisor

Name :

Signature : .....

Project Coordinator

Name : Mrs. KRIPA K M

Signature : .....

Head of Department

Name : Mrs. KRIPA K M

Signature : .....

EXPERIMENTAL STUDY ON BLENDING RICE HUSK ASH WITH BITUMEN FOR THE CONSTRUCTION OF FLEXIBLE PAVEMENTS

A PROJECT REPORT

Submitted by

NIKHIL S. (ATP18CE009)

N.SHAJUN MOHAMMED. (ATP18CE010)

SUDHEEP A. (ATP18CE015)

for the partial fulfilment for the award of the Degree of

BACHELOR OF TECHNOLOGY

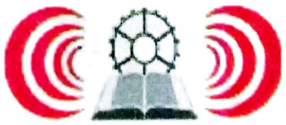
IN

CIVIL ENGINEERING

of the A P J Abdul Kalam Technological University

Under the Guidance of

Dr. MAHIMA GANESHAN



DEPARTMENT OF CIVIL ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY

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CERTIFICATE

This is to certify that the report entitled **"EXPERIMENTAL STUDY ON BLENDING RICE HUSK ASH WITH BITUMEN FOR THE CONSTRUCTION OF FLEXIBLE PAVEMENTS"** submitted by **NIKHIL S. (ATP18CE009), N.SHAJUN MOHAMMED. (ATP18CE010), SUDHEEP A. (ATP18CE015)** to the APJ Abdul Kalam Technological University in partial fulfillment for the award of the Degree in Civil Engineering is a bonafide record of the project work carried out by him/her under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

Guide/Supervisor

Name : Dr. MAHIMA GANESHAN

Signature : 23/6/22

Co-Guide/Co-Supervisor

Name :

Signature : .....

Project Coordinator

Name : Mrs. KRIPA K.M.

Signature : .....

Head of Department

Name : Mrs.KRIPA K.M.

Signature : .....

CLAY-FREE BRICKS USING WATER TREATMENT SLUDGE

A PROJECT REPORT

Submitted by

ABHISHEK S. (ATP18CE001)

HARIPRIYA UNNIKRISHNAN NAIR (ATP18CE006)

MEERA R. (ATP18CE008)

for the partial fulfilment for the award of the Degree of

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IN

CIVIL ENGINEERING

of the A P J Abdul Kalam Technological University

Under the Guidance of

MS. SRUTHI RAVINDRAN



DEPARTMENT OF CIVIL ENGINEERING

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JUNE 2022

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DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the report entitled **"CLAY-FREE BRICKS SING WATER TREATMENT SLUDGE"** submitted by **ABHISHEK (ATP18CE001), HARIPRIYA UNNIKRISHNAN NAIR (ATP18CE006), MEERA R. (ATP18CE008)** to the APJ Abdul Kalam Technological University in partial fulfillment for the award of the Degree in Civil Engineering is a bonafide record of the project work carried out by him/her under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

Guide/Supervisor

Name : MS. SRUTHI RAVINDRAN

Signature : .....

Co-Guide/Co-Supervisor

Name :

Signature : .....

Project Coordinator

Name : KRIPA K M

Signature : .....

Head of Department

Name : KRIPA K M

Signature : .....

PARAMETRIC STUDY OF FUNCTIONALLY GRADED CONCRETES INCORPORATING STEEL FIBRES AND RECYCLED AGGREGATES

A PROJECT REPORT

Submitted by

GOPIKA VIJAYAN (ATP18CE004)

PRIYA V. P. (ATP18CE011)

R. SUSMIYA (ATP18CE012)

for the partial fulfilment for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

of the A P J Abdul Kalam Technological University

Under the Guidance of

Mrs KRIPA K. M.

Mrs NANDITHA S.



DEPARTMENT OF CIVIL ENGINEERING

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DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the report entitled **Parametric study of functionally graded concretes incorporating steel fibres and recycled aggregates** submitted by **GOPIKA VIJAYAN (ATP18CE004), PRIYA V. P. (ATP18CE011), R. SUSMIYA (ATP18CE012)** to the APJ Abdul Kalam Technological University in partial fulfillment for the award of the Degree in Civil Engineering is a bonafide record of the project work carried out by him/her under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

Guide/Supervisor

Name : Mrs KRIPA K. M.

Signature : .....

Co-Guide/Co-Supervisor

Name : Mrs NANDITHA S.

Signature : .....

Project Coordinator

Name : Mrs KRIPA K. M.

Signature : .....

Head of Department

Name : Mrs KRIPA K. M.

Signature : .....

MANUFACTURING OF INTERLOCKING TILES USING PLASTIC WASTE AND CONSTRUCTION AND DEMOLITION WASTE

A PROJECT REPORT

Submitted by

ASHA K. (ATP18CE003)

KEERTHY UNNIKRISHNAN (ATP18CE007)

VARSHA V. (ATP18CE016)

for the partial fulfilment for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

of the A P J Abdul Kalam Technological University

Under the Guidance of

Dr. P. R. SREEMAHADEVAN PILLAI

Mr. VIVEK V. S.

DEPARTMENT OF CIVIL ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY

PALAKKAD

JUNE 2022

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DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the report entitled **"MANUFACTURING OF INTERLOCKING TILES USING PLASTIC WASTE AND CONSTRUCTION AND DEMOLITION WASTE"** submitted by **ASHA K. (ATP18CE003), KEERTHY UNNIKRISHNAN (ATP18CE007), VARSHA V. (ATP18CE016)** to the APJ Abdul Kalam Technological University in partial fulfillment for the award of the Degree in Civil Engineering is a bonafide record of the project work carried out by him/her under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

Guide/Supervisor

Name : Dr. P. R. SREEMAHADEVAN PILLAI

Signature : .....

Co-Guide/Co-Supervisor

Name : Mr. VIVEK V. S.

Signature : .....

Project Coordinator

Name : Mrs. KRIPA K. M.

Signature : .....

Head of Department

Name : Mrs. KRIPA K. M.

Signature : .....

PURIFICATION OF WATER USING COCONUT HUSK AND RICE HUSK AS ACTIVATED CARBON

A PROJECT REPORT

Submitted by

SRUTHI K. (ATP18CE014)

VARSHA V. (ATP18CE017)

SOUMYA R. (LATP18CE018)

for the partial fulfilment for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

of the A P J Abdul Kalam Technological University

Under the Guidance of

Mrs NEETHU JOHN

DEPARTMENT OF CIVIL ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY

PALAKKAD

JUNE 2022

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CERTIFICATE

This is to certify that the report entitled **"PURIFICATION OF WATER USING COCONUT HUSK AND RICE HUSK AS ACTIVATED CARBON"** submitted by **SRUTHI K. (ATP18CE014), VARSHA V. (ATP18CE017), SOUMYA R. (LATP18CE018)** to the APJ Abdul Kalam Technological University in partial fulfillment for the award of the Degree in Civil Engineering is a bonafide record of the project work carried out by him/her under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

Guide/Supervisor

Name : Mrs NEETHU JOHN

Signature : .....

Co-Guide/Co-Supervisor

Name :

Signature : .....

Project Coordinator

Name : Mrs KRIPA K M

Signature : .....

Head of Department

Name : Mrs KRIPA K M

Signature : .....

AUTOMATIC CLASSIFICATION AND SCRUTINY OF QUESTION PAPERS BASED ON BLOOMS TAXONOMY USING NLP AND RPA

A Project

Submitted for the Degree of

Bachelor of Technology in CSE of

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

by

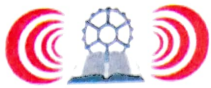
AKHILA G **(ATP18CS004)**

DRISHYA P **(ATP18CS012)**

KEERTHY R **(ATP18CS019)**

Under the guidance of

Mr. NANDU S. NAIR



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ahalia School of Engineering & Technology

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(http://www.ahalia.ac.in/)

June 3,2022

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the report entitled "**AUTOMATIC CLASSIFICATION AND SCRUTINY OF QUESTION PAPERS BASED ON BLOOMS TAXONOMY USING NLP AND RPA**" submitted by **AKHILA G(ATP18CS002), DRISHYA P(ATP18CS012), KEERTHY R(ATP18CS019)** for the award of the **Degree of Bachelor of Technology** in the **APJ Abdul Kalam Technological University** is a bonafide record of the work carried out by them under my guidance and supervision at Ahalia School of Engineering & Technology.

Guide:
Mr. NANDU S. NAIR

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY * PALAKKAD * Department of Computer Science & Engineering

Head of the Department:
Dr. S. GUNASEKARAN
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PALAKKAD

Submitted for the project viva-vose on 28-06-2022.

Internal Examiner: 28/6/22

External Examiner: 28/6/2022

OPTO-LAB ASSISTANT

A Project

Submitted for the Degree of

Bachelor of Technology in CSE of

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

By

ELSON ISSAC	**ATP18CS013**
SHARAN MURALEEDHARAN	**ATP18CS025**
HARI KRISHNA S	**LATP18CS033**

Under the guidance of

Mrs. SRUTHY SUKUMARAN



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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June 3, 2022

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the report entitled **"OPTO-LAB ASSISTANT"** submitted by **ELSON ISSAC (ATP18CS013), SHARAN MURALEEDHARAN (ATP18CS025), HARI KRISHNA S (LATP18CS033)** for the award of the **Degree of Bachelor of Technology** in **the APJ Abdul Kalam Technological University** is a bonafide record of the work carried out by them under my guidance and supervision at Ahalia School of Engineering & Technology.

Guide:
Mrs.SRUTHY SUKUMARAN

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY ★ PALAKKAD ★
Department of Computer Science & Engineering

Head of the Department
Dr.S.GUNASEKARAN
HEAD OF DEPARTMENT
Computer Science & Engineering
Ahalia School of Engineering & Technology
PALAKKAD

Submitted for the project viva-vose on 28-06-2022

Internal Examiner

28/6/2022

External Examiner

MACHINE LEARNING BASED CLASSIFICATION OF PHISHING WEBSITE

A Project

Submitted for the Degree of

Bachelor of Technology in CSE of

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

by

AISWARYA P B	**ATP18CS003**
BABITHU V	**ATP18CS010**
GOWTHAMI B	**ATP18CS016**
SREEKUTTY S	**ATP18CS027**

Under the guidance of

Mrs. RABEENA TM



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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June 3,2022

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the report **entitled "MACHINE LEARNING BASED CLASSIFICATION OF PHISHING WEBSITE"** submitted by, **AISWARYA P B (ATP18CS003), BABITHU V (ATP18CS010), GOWTHAMI B (ATP18CS016) SREEKUTTY S (ATP18CS027),** for the award of the **Degree of Bachelor of Technology** in the **APJ Abdul Kalam Technological University** is a bonafide record of the work carried out by them under my guidance and supervision at Ahalia School of Engineering & Technology.

Guide:

Mrs. RABEENA TM

28/06/2022

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
Department of Computer Science & Engineering
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HEAD OF DEPARTMENT
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Ahalia School of Engineering & Technology
PALAKKAD

Submitted for the project viva-voce on: 28/06/2022

Internal Examiner:

HEAD OF DEPARTMENT
Computer Science & Engineering
Ahalia School of Engineering & Technology
PALAKKAD

28/6/2022

External Examiner:

WEAPON DETECTION SYSTEM USING YOLOv4

A Project

Submitted for the Degree of

Bachelor of Technology in (CSE) of

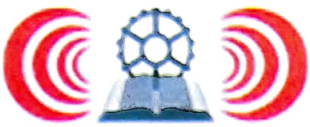
APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

by

AISWARYA K.	**ATP18CS002**
ARCHANA S.	**ATP18CS008**
ASWATHY K.	**ATP18CS009**
SUHARA FATHIMA S.	**ATP18CS028**

Under the guidance of

Mrs. ASWATHI P V.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

Ahalia Campus , Palakkad , Kerala-67855

(http://www.ahalia.ac.in/)

June 3,2022

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
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Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557 Ph: 04923-226666, www.ahalia.ac.in

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the report entitled "**WEAPON DETECTION SYSTEM USING YOLOv4**" submitted by **AISWARYA K(ATP18CS002), ARCHANA S(ATP18CS008), ASWATHY K(ATP18CS009), SUHARA FATHIMA S(ATP18CS028)**, for the award of the **Degree of Bachelor of Technology** in the **APJ Abdul Kalam Technological University** is a bonafide record of the work carried out by them under my guidance and supervision at Ahalia School of Engineering & Technology.

Guide:

Mrs ASWATHI P V.

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY * PALAKKAD * Department of Computer Science & Engineering

Head of the Department :

Dr. S.GUNASEKARAN
HEAD OF DEPARTMENT
Computer Science & Engineering
Ahalia School of Engineering & Technology
PALAKKAD

Submitted for the project viva-voce on 28-06-2022.

Internal Examiner

Dr. S. GUNASEKARAN
HEAD OF DEPARTMENT
Computer Science & Engineering
Ahalia School of Engineering & Technology
PALAKKAD

28/6/2022

External Examiner

HOUSE MONITORING SYSTEM

A Project Report

Submitted for the Degree of

Bachelor of Technology in CSE of

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

by

AKSHITH KM	**ATP18CS006**
PRAJEESH PK	**ATP18CS023**
SARATH MUKUNDAN A	**ATP18CS024**

Under the guidance of

Mr. ROSHAN SANU Y



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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June 2022

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the report entitled "HOUSE MONITORING SYSTEM" submitted by **AKSHITH KM (ATP18CS006), PRAJEESH PK (ATP18CS023), SARATH MUKUNDAN A (ATP18CS024)**, for the award of the **Degree of Bachelor of Technology** in the **APJ Abdul Kalam Technological University** is a bonafide record of the work carried out by them under my guidance and supervision at Ahalia School of Engineering & Technology.

Guide:

Mr ROSHAN SANU Y

Head of the Department :

Dr.S.GUNASEKARAN

HEAD OF DEPARTMENT
Computer Science & Engineering
Ahalia School of Engineering & Technology
PALAKKAD

Submitted for the project viva-voce on 28-06-2022.

28/6/22

Internal Examiner

28/6/2022

External Examiner

HEAD OF DEPARTMENT
Computer Science & Engineering
Ahalia School of Engineering & Technology
PALAKKAD

MELANOMA DETECTION

A Project

Submitted for the Degree of

Bachelor of Technology in (CSE) of

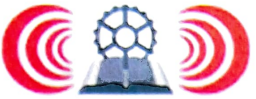
APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

by

ABHINAV PALLATH	**ATP18CS001**
DHANUSH S.	**ATP18CS011**
SIVARAJ C R.	**ATP18CS026**
VYSHNAV S.	**ATP18CS032**

Under the guidance of

Dr. R. SIVAKUMAR



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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Ahalia Campus, Palakkad, Kerala-67855

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June 3, 2022

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the report entitled "**MELANOMA DETECTION**" submitted by **ABHINAV PALLATH (ATP18CS001), DHANUSH S (ATP18CS011), SIVARAJ CR (ATP18CS026), VYSHNAV S (ATP18CS032)**, for the award of the **Degree of Bachelor of Technology** in the **APJ Abdul Kalam Technological University** is a bonafide record of the work carried out by them under my guidance and supervision at Ahalia School of Engineering & Technology.

Guide:

Dr. R. SIVAKUMAR

Head of the Department:

Dr. S. GUNASEKARAN

Submitted for the project viva-voce on 28-06-2022.

28/6/22

Internal Examiner

28/6/2022

External Examiner

MACHINE LEARNING BASED APPROACH FOR PERSONALITY CLASSIFICATION USING ONLINE TEXT

A Project

Submitted for the Degree of

Bachelor of Technology in CSE of

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

by

GOUTHAM G SURESH	**(ATP18CS015)**
NIKHIL M	**(ATP18CS021)**
PRABANCH CV	**(ATP18CS022)**
VISHNU M	**(ATP18CS031)**

Under the guidance of

Mrs. SOUMYA M

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ahalia School of Engineering & Technology

Ahalia Campus, Palakkad, Kerala-67855

June 2022

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the report **entitled "MACHINE LEARNING BASED APPROACH FOR PERSONALITY CLASSIFICATION USING ONLINE TEXT"** submitted by, **GOUTHAM G SURESH (ATP18CS016), NIKHIL M (ATP18CS021), PRABANCH CV (ATP18CS022) VISHNU M (ATP18CS031),** for the award of the **Degree of Bachelor of Technology** in the **APJ Abdul Kalam Technological University** is a bonafide record of the work carried out by them under my guidance and supervision at Ahalia School of Engineering & Technology.

Guide:
Mrs. SOUMYA M

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
Department of Computer Science & Engineering
PALAKKAD

Head of the Department
Dr. S GUNASEKARAN
HEAD OF DEPARTMENT
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PALAKKAD

Submitted for the project viva-voce on 28-06-2022.

28/6/22
Internal Examiner
HEAD OF DEPARTMENT
Computer Science & Engineering
Ahalia School of Engineering & Technology
PALAKKAD

28/6/2022
ExternalExaminer

MUSIC GENERATION USING DEEP LEARNING

A Project

Submitted for the Degree of

Bachelor of Technology in CSE of

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

by

AKSHAY KS	**ATP18CS005**
JUSTINE PAULSON	**ATP18CS017**
KRISHNANUNNI SUNIL	**ATP18CS020**
ULLAS AP	**ATP18CS029**

Under the guidance of

Mr.ANAND HARIDAS



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June 2022

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the report entitled "**MUSIC GENERATION USING DEEP LEARNING**" submitted by **AKSHAY KS (ATP18CS005), JUSTINE PAULSON (ATP18CS017), KRISHNANUNNI SUNIL (ATP18CS020), ULLAS AP (ATP18CS029)**, for the award of the **Degree of Bachelor of Technology** in the **APJ Abdul Kalam Technological University** is a bonafide record of the work carried out by them under my guidance and supervision at Ahalia School of Engineering & Technology.

Guide:
Mr ANAND HARIDAS

Head of the Department :
Dr S GUNASEKARAN

HEAD OF DEPARTMENT
Computer Science & Engineering
Ahalia School of Engineering & Technology
PALAKKAD

Submitted for the project viva-voce on 28-06-2022.

Internal Examiner

28/6/22

HEAD OF DEPARTMENT
Computer Science & Engineering
Ahalia School of Engineering & Technology
PALAKKAD

External Examiner

28/6/2022

Form No.: ASET-CSE/DS06/FM01

LIST OF PROJECT BATCHES

Students Batch: 2018-22 **Academic Year: 2021-22** **Sem: EVEN** **Class:S8**

Sub Code/ Sub Name: CS492 PROJECT

Sl. No.	Reg. No of the Student	Name of the Student	Title of the Project	Name of the Guide	Industry/In-House
1.	ATP18CS001	ABHINAV PALLATH	Dr.S.Gunasekaran	Down Syndrome Detection	In-House
2.	ATP18CS011	DHANUSH S			
3.	ATP18CS026	SIVARAJ C R			
4.	ATP18CS032	VYSHNAV S			
5.	ATP18CS002	AISWARYA K	Prof.Aswathi P.V	Threat detection System	In-House
6.	ATP18CS008	ARCHANA S			
7.	ATP18CS009	ASWATHY K			

8.	ATP18CS028	SUHARA FATHIMA S			
9.	ATP18CS003	AISWARYA P B	Prof.Rabeena T.M	Phishing detection	In-House
10.	ATP18CS010	BABITHU V			
11.	ATP18CS016	GOWTHAMI B			
12.	ATP18CS027	SREEKUTTY S			
13.	ATP18CS004	AKHILA G	Prof. Nandu.S.Nair	Question paper scrutiny with Machine Learning and RPA	In-House
14.	ATP18CS012	DRISHYA P			
15.	ATP18CS014	GAYATHRI K			
16.	ATP18CS019	KEERTHY R			
17.	ATP18CS005	AKSHAY K S	Prof.Anad Haridas	Music Composer	In-House
18.	ATP18CS017	JUSTINE PAULSON			
19.	ATP18CS020	KRISHNANUNNI SUNIL			
20.	ATP18CS029	ULLAS A P			
21.	ATP18CS006	AKSHITH K M	Prof.Roshan Sanu.Y	Home Automation System	In-House
22.	ATP18CS023	PRAJEESH P K			
23.	ATP18CS024	SARATH MUKUNDAN A			

24.	ATP18CS013	ELSON ISSAC	Prof.Sruthy Sukumaran	Opto-Lab Assistant	In-House
25.	ATP18CS025	SHARAN MURALEEDHARAN			
26.	LATP18CS033	HARIKRISHNA S			
27.	ATP18CS015	GOUTHAM G SURESH	Prof. Soumya M	Personality Classification from online text	In-House
28.	ATP18CS021	NIKHIL M			
29.	ATP18CS022	PRABANCH RAJESH C V			
30.	ATP18CS031	VISHNU M			

Form No.: ASET-EC/AC06/FM01

LIST OF PROJECT BATCHES

Students Batch: 2018-22 **Academic Year: 2021-22** **Sem: EVEN** **Class:S8**

SubCode/ Sub Name: EC492 PROJECT

S. No.	Batch No.	Reg. No of the Student	Name of the Student	Title of the Project	Name of the Guide	Industry / In-House	If Industry, Name of the Industry
1.		ATP18EC019	Sneha Reghunath	Enegy efficient Smart home automation using machine learning and Image processing	Dr.V. Balamurugan	Inhouse	
2.		ATP18EC022	Vishnu S				
3.		ATP18EC017	Shamna S				
4.		ATP18EC007	Hari prasad	Flexible textile two port compact antenna	Dr. Krishna Kumar Kishore	In-House	
5.		ATP18EC005	Anoop A				
6.		ATP18EC	Anusree S				

		006					
7.		ATP18EC020	Sreedevi R				
8.		ATP18EC018	Silpa S	Real time facemask and social distancing violation detecter using machine learning	Divya Mohan	In-House	
9.		ATP18EC002	Akshay Kannan SK				
10.		ATP18EC008	Jyothsna Badra S				
11.		ATP18EC003	Amal B	Real time automatic class attenadnce system using face recognition	Vijitha Khan	In-House	
12.		ATP18EC011	Megha J Das				
13.		ATP18EC013	PR Sreya				
14.		ATP18EC010	Lubuna Anjum M	Design and analysis of Checker board Type AMC array for low RCS	Santhosh C	In-House	
15.		ATP18EC012	N Neeraj				
16.		ATP18EC016	Shafna N				

17.		ATP18EC009	Kavya Mukundan	Wireless network extender using Rasperi Pi	Aneesh K & Swetha C	In-House	
18.		ATP18EC014	Reshma R				
19.		ATP18EC015	Sanjay S				
20.		ATP18EC021	Sumesh M				

Form No.: ASET-ME/AC06/FM01

LIST OF PROJECT BATCHES

Students Batch: 2018-22 **Academic Year: 2021-22** **Sem: EVEN** **Class:S8**

SubCode/ Sub Name: ME492 PROJECT

S. No.	Batch No.	Reg. No of the Student	Name of the Student	Title of the Project	Name of the Guide	Industry/In-House	If industry Name of the Industry
1	1	ATP18ME007	ASWAN A	PRODUCTION AND PERFORMANCE EVALUATION OF BIODIESEL EXTRACTED FROM WASTE COOKING OIL AND HIBISCUS OIL IN A SINGLE CYLINDER ENGINE	Mr. ANIL M	IN HOUSE	
2		ATP18ME014	MOHAMMED HARIS K C				
3		LATP18ME027	KISHOR K				
4	2	LATP18ME025	ABIJITH M	EXPERIMENTAL INVESTIGATION ON THE INFLUENCE OF DEBRIS REMOVAL USING MAGNETIC FIELD IN A POWDER MIXED EDM	Mr. GOKUL A MENON	IN HOUSE	
5		LATP18ME028	PRAVEEN K				
6		ATP17ME042	VIKAS V				
7		ATP17ME045	VISHNU RAJESH				
8	3	ATP18ME002	ABIJITH V	DESIGN AND ANALYSIS OF CARBON FIBRE DRONE PROPELLOR	Mr. DHEERAJ P	IN HOUSE	
9		ATP18ME021	SUMESH S				
10		ATP18ME024	VISHNU NAG				
11		LATP18ME026	ASISH K C				
12	4	ATP18ME004	AKHIL JYOTHI N	ANALYSING THE EFFECT OF TOOL THICKNESS ON SURFACE STRAIGHTNESS, SURFACE ROUGHNESS AND TOOL WEAR IN CASE OF CNC PARING OPERATION OF Al 6063	Mr. VIGNESH V	IN HOUSE	
13		ATP18ME006	ANIRUDHAN T P				
14		ATP18ME022	SYLESH SREEHARI				

15	**5**	ATP18ME005	AMAL V	CFD ANALYSIS OF LARGE PENSTOCK IN TEHRI DAM	Mr. DHANESH S	INDUSTRY	FLUID CONTROL RESEARCH INSTITUTE, Palakkad
16		ATP18ME010	AMAL C S				
17		ATP18ME015	NISHANT K NAIR				
18		ATP18ME016	RAVIN RAMACHANDRAN				
19	**6**	ATP18ME012	GOKUL P NAIR	FEA OF ORTHOGONAL MACHINING OF AISI 304	Mr. SANDEEP SATISH	IN HOUSE	
20		ATP18ME017	SANOJ R KRISHNAN				
21		ATP18ME018	SARAN S				
22		ATP18ME019	SIDHARTH J				
23	**7**	ATP18ME008	ASWIN KANNAN	FABRICATION OF NATURAL FIBER REINFORCED COMPONENTS	Mr. JISHNOOP JAYAPRAKASH	IN HOUSE	
24		ATP18ME009	A VINAYAK				
25		ATP18ME020	SREEJITH S				
26		ATP18ME023	VIJITH K				

Form No.: ASET-CE/DS06/FM01

LIST OF PROJECT BATCHES

Students Batch: 2018-22 **Academic Year: 2021-22** **Sem: EVEN** **Class:S8**

Sub Code/ Sub Name: CE492 PROJECT

Sl. No.	Batch No.	Reg. No of the Student	Name of the Student	Title of the Project	Name of the Guide	Industry / In-House	If Industry, Name of the Industry
1.	I	ATP18CE012	R. Susmiya	Parametric Study of Functionally Graded Concrete	Kripa K. M. & Nanditha S.	In-house	-
2.		ATP18CE011	Priya V. P				
3.		ATP18CE004	Gopika Vijayan				
4.	II	ATP18CE001	Abhishek S.	Clay Free Bricks Using Water Treatment Sludge	Sruthi Ravindran	In-house	-
5.		ATP18CE006	Haripriya U. Nair				
6.		ATP18CE008	Meera R.				
7.	III	ATP18CE009	Nikhil S.	Experimental Study On Blending Rice Husk Ash With Bitumen for The Construction Of	Mahima Ganeshan	In-house	-
8.		ATP18CE015	Sudheep A.				
9.		ATP18CE010	Shajun				

			Mohammed	Flexible Pavement			
10.	IV	ATP18CE005	Hariharan G.	Stabilization Of Subgrade Soil Using Alccofine And Waste Plastic Bottle Strips.	Gopika Unni	In-house	-
11.		ATP18CE002	Arjun Satheesh				
12.		ATP18CE013	Snehith S.				
13.	V	LATP18CE018	Soumya R.	Optimization Of Local Materials In Water Purification System	Neethu John	In-house	-
14.		ATP18CE017	Varsha V.				
15.		ATP18CE014	Sruthi K.				
16.	VI	ATP18CE016	Varsha V.	Manufacturing Of Ecofriendly Interlocking Tiles From Plastic Waste And C&D Waste	Dr. P. R. Sreemahadevan Pillai & Vivek V.S.	In-house	-
17.		ATP18CE003	Asha K.				
18.		ATP18CE007	Keerthy Unnikrishnan				

Written By:ISO Coordinator	AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY	Issue No:01
Approved By: Principal		Revision No:01
Effective Date01-02-2017		Revision Date:25/02/2022

Form No.: ASET-EE/AC06/FM01

LIST OF PROJECT BATCHES

Students Batch: 2018-22 **Academic Year:2021-22** **Sem: EVEN** **Class:S8**

SubCode/ Sub Name: EE492 PROJECT

S. No.	Batch No.	Reg. No of the Student	Name of the Student	Title of the Project	Name of the Guide	Industry/In-House	If industry Name of the Industry
1	1	ATP18EE001	Kareem Arshad	Energy Audit in Domestic Sectors	Dr. G Murugananth, Professor & Head EEE	In-House	
2		ATP18EE005	Arjun.K				
3		ATP18EE006	Hrithik.H				
4		LATP18EE012	Rahul. B				

5	2	ATP18EE002	Amarnath. S	Automated Spotlight	Dr. G Murugananth, Professor & Head EEE	In-House	
6		ATP18EE003	Anagha. K.B				
7		ATP18EE004	Anujith. S				
8		ATP18EE007	Jamseer. J				
9	3	ATP18EE008	Rahul. R	Retrofitting Conventional fuel vehicle to Electric vehicle	Mr. A. Manickavasagam., AP/ EEE	In-House	
10		ATP18EE009	Rashik. S.A				
11		ATP18EE010	Sreejith. A				
12		LATP18EE011	Asun K.S				

ENERGY EFFICIENT SMART HOME AUTOMATION USING MACHINE LEARNING AND IMAGE PROCESSING

A PROJECT REPORT

Submitted by

SNEHA RAGHUNATH	**(ATP18EC019)**
SHAMNA S	**(ATP18EC017)**
VISHNU S	**(ATP18EC022)**

In partial fulfillment for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Of the APJ Abdul Kalam Technological University

Under the guidance of

DR. V BALAMURUGAN



DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY

PALAKKAD

JUNE 2022

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
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DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING
CERTIFICATE

This is to certify that the report entitled " ***ENERGY EFFICIENT SMART HOME AUTOMATION USING MACHINE LEARNING AND IMAGE PROCESSING"*** *submitted by* ***SNEHA RAGHUNATH(ATP18EC019), VISHNU S (ATP18EC022) , SHAMNA S (ATP18EC017)*** *to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a Bonafide record of the project work related to the paper EC492: PROJECT carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.*

Guide/Supervisor
Dr.V BALAMURUGAN
Professor
Department of ECE
Date:

Head of Department
Dr.V BALAMURUGAN
Professor
Department of ECE
Date: 7/6/2022

INTERNAL EXAMINER
28/6/2022

EXTERNAL EXAMINER

(seal of Department of Electronics and Communication)

(office seal)

Office

DESIGN AND FABRICATION OF FLEXIBLE TEXTILE TWO-PORT COMPACT ANTENNA

A PROJECT REPORT

Submitted by

ANOOP A	**(ATP18EC005)**
ANUSREE S	**(ATP18EC006)**
HARIPRASAD S	**(ATP18EC007)**
SREEDEVI R	**(ATP18EC020)**

in partial fulfilment of the requirements for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

of the APJ Abdul Kalam Technological University

Under the guidance of

Dr. KRISHNA KUMAR KISHOR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY

PALAKKAD

MAY 2022

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
(ISO 9001:2015 Certified Institution)
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Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923-226666, www.ahalia.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY, PALAKKAD

CERTIFICATE

This to certify that the report entitled "**DESIGN AND FABRICATION OF FLEXIBLE TEXTILE TWO-PORT COMPACT ANTENNA"** submitted by **ANOOP A (ATP18EC005), ANUSREE S (ATP18EC006), HARIPRASAD S (ATP18EC007), SREEDEVI R (ATP18EC020),** to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a bonafide record of the project work related to the paper EC492: PROJECT carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

Guide/supervisor

Dr. KRISHNA KUMAR KISHOR

Vice Principal

Department of ECE

Head of Department

Dr. V BALAMURUGAN

Professor

Department of ECE

INTERNAL EXAMINER

EXTERNAL EXAMINER

(Seal of Department of Electronics and Communication)

Department of Electronics & Communications Engineering

Office

WIRELESS NETWORK EXTENDER USING RASPBERRY PI

A PROJECT REPORT

Submitted by

KAVYA MUKUNDAN	**(ATP18EC009)**
RESHMA R	**(ATP18EC014)**
SANJAY S	**(ATP18EC015)**
SUMESH M	**(ATP18EC021)**

in partial fulfillment for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

of the APJ Abdul Kalam Technological University

Under the guidance of

Mr ANEESH K & Mrs SWETHA C

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY

PALAKKAD

MAY 2022

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Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923-226666. www.ahalia.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the report entitled "**WIRELESS NETWORK EXTENDER USING RASPBERRY PI**" submitted by **KAVYA MUKUNDAN (ATP18EC009), RESHMA R (ATP18EC014), SANJAY S (ATP18EC015), SUMESH M (ATP18EC021)** to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a bonfide record of the project work related to the paper EC492:PROJECT carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose

Guide/Supervisor

1) Mrs. SWETHA C
Assistant Professor
Department of ECE

2) Mr. ANEESH K
Assistant Professor
Department of ECE

Head of Department
Dr.V BALAMURUGAN
Professor & HOD
Department of ECE

EXTERNAL EXAMINER

EXTERNAL EXAMINER

Office

REAL TIME AUTOMATIC CLASS ATTENDANCE SYSTEM USING FACE RECOGNITION

A PROJECT REPORT

Submitted by

AMAL B **(ATP18EC003)**

MEGHA J DAS **(ATP18EC011)**

P R SREYA **(ATP18EC013)**

in partial fulfilment for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

of the APJ Abdul Kalam Technological University

Under the guidance of

Mrs. VIJITHA KHAN



DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY

PALAKKAD

JUNE 2022

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
(ISO 9001:2015 Certified Institution)
Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923-226666, www.ahalia.ac.in

DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the report entitled ***"Real Time Automatic Class Attendance System Using Face Recognition"*** *submitted by* ***Amal B (ATP18EC003), Megha J Das (ATP18EC011), P R Sreya (ATP18EC013)*** *to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a Bonafide record of the project work related to the paper EC492: PROJECT carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.*

Guide/Supervisor

Mrs. VIJITHA KHAN

Assistant Professor

Department of ECE

Date: 07.06.2022

Head of Department

Dr. V BALAMURUGAN

Professor & HOD

Department of ECE

Date: 7/6/2022

INTERNAL EXAMINER

EXTERNAL EXAMINER

(Seal of Department of Electronics and Communication)

(Office Seal)

REAL TIME FACE MASK AND SOCIAL DISTANCING VIOLATION DETECTION USING MACHINE LEARNING

A PROJECT REPORT

Submitted by

AKSHAY KANNAN S K	**(ATP18EC002)**
JYOTHSNA BHADRA S	**(ATP18EC008)**
SHILPA S	**(ATP18EC018)**

in partial fulfillment for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

of the APJ Abdul Kalam Technological University

Under the guidance of

Mrs. DIVYA MOHAN



DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY

PALAKKAD

MAY 2022

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
(ISO 9001:2015 Certified Institution)
Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923-226666, www.ahalia.ac.in

DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the report entitled ***"REAL TIME FACE MASK AND SOCIAL DISTANCING VIOLATION DETECTION USING MACHINE LEARNING"*** *submitted by* ***AKSHAY KANNAN SK(ATP18EC002), JYOTHSNA BHADRA S (ATP18EC008), SHILPA S (ATP18EC018)*** *to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a Bonafide record of the project work related to the paper EC492: PROJECT carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.*

Guide/Supervisor
Mrs. DIVYA MOHAN
Assistant Professor
Department of ECE
Date: 7/6/2022

Head of Department
Dr.V BALAMURUGAN
Professor
Department of ECE
Date:

EXTERNAL EXAMINER

EXTERNAL EXAMINER

(Seal of Department of Electronics and Communication)

28/06/2022

Ahalia School of Engg & Technology Palakkad Office

DEVELOPMENT OF PEAK LOAD ALARM FOR LOAD SCHEDULING

A PROJECT REPORT

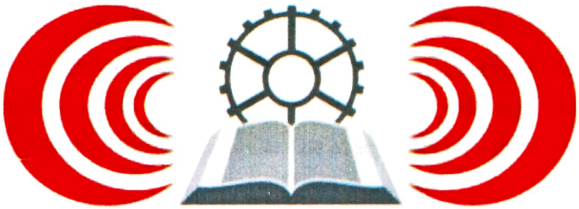
Submitted by

A KAREEM ARSHAD (ATP18EE001)

ARJUN K (ATP18EE005)

HRITHIK H (ATP18EE006)

RAHUL B (LATP18EE012)



In partial fulfilment for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Of the APJ Abdul Kalam Technological University

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY, PALAKKAD

JUNE 2022

DECLARATION

We hereby declare that the project report "Development of Peak Load Alarm for Load Scheduling", submitted for the award of the degree of bachelor of technology of the APJ Abdul Kalam Technological University, Kerala is a bonafide work done by us under the supervision of Dr. G. Murugananth M.E., Ph.D., Professor and Head of the Department. This submission represent ideas in our own words and where ideas or words of others have been included, we have adequately and accurately cited and reference the original sources. We also declare that we have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in our submission. We understand that any violation of the above will be a cause for disciplinary action by the institute and /or the university and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree, diploma or similar title of any other university.

Place PALAKKAD

Date 27/06/2022

Signature

A Kareem Arshad

Arjun K

Hrithik H

Rahul B

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
(ISO 9001:2015 Certified Institution)
Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923-226666, www.ahalia.ac.in

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

This is to certify that the report titled **"DEVELOPMENT OF PEAK LOAD ALARM FOR LOAD SCHEDULING "** is a bonafide record of the work related to the project done by **A KAREEM ARSHAD(ATP18EE001),ARJUN K (ATP18EE005),HRITHIK H (ATP18EE006), RAHUL B (LATP18EE012)** of Eighth Semester B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING of Ahalia School of Engineering and Technology, Palakkad in partial fulfillment of the requirement for the award of the Degree of Bachelor of Technology of A P J Abdul Kalam Technological University.

SIGNATURE OF GUIDE

Dr. G Murugananth
Head of the Department
Professor
Department of EEE

SIGNATURE OF HoD

Dr. G Murugananth
Head of the Department
Professor
Department of EEE

Internal Examiner

External Examiner

AUTOMATED SPOTLIGHT

A PROJECT REPORT

Submitted by

AMARNATH S (ATP18EE002)

ANAGHA K B (ATP18EE003)

ANUJITH S (ATP18EE004)

JAMSHEER J (ATP18EE007)

In partial fulfillment for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Of the APJ Abdul Kalam Technological University



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY, PALAKKAD

JUNE 2022

DECLARATION

We hereby declare that the project report "Automated Spotlight", submitted for the award of the degree of bachelor of technology of the APJ Abdul Kalam Technological University, Kerala is a bonafide work done by us under the supervision of Dr. G. Murugananth, M.E., Head of the Department. This submission represents ideas in our own words and where ideas or words of others have been included, we have adequately and accurately cited and reference the original sources. We also declare that we have adhered to ethics of academic honesty and integrity and have not miss represented or fabricated any data or idea or fact or source in my submission. We understand that any violation of the above will be a cause for disciplinary action by the institute and /or the university and can also evoke penal action from the sources which have thus not beenproperly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree, diploma or similar title of any other university.

Place: Palakkad

Date: 27-06-2022

Signature

Amarnath S

Anagha K B

Anujith S

Jamsheer J

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
(ISO 9001:2015 Certified Institution)
Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

This is to certify that the report titled **"AUTOMATED SPOTLIGHT"** is a bonafide record of the work related to the project done by **AMARNATH S (ATP18EE002), ANAGHA K B (ATP18EE003), ANUJITH S (ATP18EE004), JAMSHEER J (ATP18EE007)** of Eighth Semester B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING of Ahalia School of Engineering and Technology, Palakkad in partial fulfillment of the requirement for the award of the Degree of Bachelor of Technology of A P J Abdul Kalam Technological University.

SIGNATURE OF THE GUIDE

DR. Murugananth G
Head of the Department
Professor
Department of EEE

SIGNATURE OF THE HoD

DR. Murugananth G
Head of the Department
Professor
Department of EEE

27/6/2022

Internal Examiner

27/6/22

External Examiner

CONVENTIONAL BIKE CONVERSION INTO LOW COST ELECTRIC VEHICLE

A PROJECT REPORT

Submitted by

RAHUL R **(ATP18EE008)**

RASHIK S A **(ATP18EE009)**

SREEJITH A **(ATP18EE010)**

ASUN K S **(LAPT18EE11)**

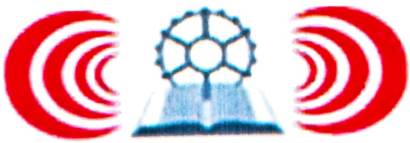
In partial fulfilment for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Of the APJ Abdul Kalam Technological University



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY, PALAKKAD

JULY 2022

DECLARATION

We hereby declare that the project report "**conventional bike conversion into low cost electric vehicle**", submitted for the award of the degree of bachelor of technology of the APJ Abdul Kalam Technological University, Kerala is a bonafide work done by me under the supervision of Mr. A Manickavasagam. M.E., Assistant Professor. This submission represent ideas in our own words and where ideas or words of others have been included, we have adequately and accurately cited and reference the original sources. We also declare that we have adhered to ethics of academic honesty and integrity and have not miss represented or fabricated any data or idea or fact or source in my submission. We understand that any violation of the above will be a cause for disciplinary action by the institute and /or the university and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree, diploma or similar title of any other university.

Place Palakkad

Date 27-06-22

signature

RAHUL R

RASHIK S A

SREEJITH A

ASUN K S

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
(ISO 9001:2015 Certified Institution)
Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923-226666, www.ahalia.ac.in

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

This is to certify that the report titled **"CONVENTIONAL BIKE CONVERSION INTO LOW COST ELECTRIC VEHICLE "** is a bonafide record of the work related to the project done by **RAHUL R(ATP18EE008),RASHIK SA (ATP18EE09), SREEJITH A (ATP18EE010),ASUN KS (LAPT18EE11)** of Eighth Semester B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING of Ahalia School of Engineering and Technology, Palakkad in partial fulfillment of the requirement for the award of the Degree of Bachelor of Technology of A P J Abdul Kalam Technological University.

SIGNATURE

Prof. A. Manickavasagam
Guide
Assistant Professor
Department of EEE

SIGNATURE

DR. Murugananth G
Head of the Department
Professor
Department of EEE

Submitted for the project phase-2 viva voce held on JULY 27,2022

Internal Examiner

External Examiner

DESIGN & ANALYSIS OF CARBON FIBER DRONE PROPELLER

A project report on main project submitted

for the partial fulfillment of requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

(APJ Abdul Kalam Technological University)

under the supervision of

Mr. DHEERAJ P

GROUP MEMBERS

ABIJITH V(ATP18ME002)
SUMESH S(ATP18ME021)
VISHNU NAG.R(ATP18ME024)
ASISH KC(LATP18ME026)

MECHANICAL ENGINEERING

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

(ISO 9001:2015 Certified Institution)
Approved by AICTE & Affilated to A. P. J. Abdul Kalam Technological University
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923-226666, www.ahalia.ac.in

June 2022

DEPARTMENT OF MECHANICAL ENGINEERING
AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY, PALAKKAD

CERTIFICATE

This is to certify that the report entitled **"DESIGN & ANALYSIS OF CARBON FIBER DRONE PROPELLER"** submitted by **ABIJITH V (ATP18ME002.), SUMESH S (ATP18ME021.) VISHNU NAG R(ATP18ME024.) ASISH KC(LATP18ME026)** to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a Bonafede record of the project work related to the paper **ME492: PROJECT** carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

FINITE ELEMENT MODELLING OF ORTHOGONAL MACHINING OF AISI 304

A project report on main project submitted

for the partial fulfillment of requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

(APJ Abdul Kalam Technological University)

under the supervision of

Mr. SANDEEP SATISH

GROUP MEMBERS

GOKUL P NAIR(ATP18ME012)

SANOJ R KRISHNAN(ATP18ME017)

SARAN S NAIR(ATP18ME018)

SIDHARTH J(ATP18ME019)

MECHANICAL ENGINEERING

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

(ISO 9001:2015 Certified Institution)

Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University

Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923-226666, www.ahalia.ac.in

January 2022

DEPARTMENT OF MECHANICAL ENGINEERING
AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY, PALAKKAD

CERTIFICATE

This is to certify that the report entitled **"FINITE ELEMENT MODELLING OF ORTHOGONAL MACHINING OF AISI 304"** submitted by **GOKUL P NAIR (ATP18ME012), SANOJ R KRISHNAN (ATP18ME017), SARAN S NAIR (ATP18ME018), SIDHARTH J (ATP18ME019)** to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bona fide record of the project work related to the paper **ME492: PROJECT** carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

Supervisor

Name: Fr Vignesh V

Signature:

Head of the Department

Name: Prakash P

Signature:

ANALYSING THE EFFECT OF TOOL THICKNESS ON SURFACE STRAIGHTNESS AND ROUGHNESS IN CNC PARTING OPERTION OF ALUMINIUM ALLOY 6063

A project report on main project submitted

for the partial fulfillment of requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

(APJ Abdul Kalam Technological University)

under the supervision of

Mr. VIGNESH V.,

ASSISTANT PROFESSOR,
DEPARTMENT OF MECHANICAL ENGINEERING,
AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY.

GROUP MEMBERS

AKHIL JYOTHI N. **(ATP18ME004)**
ANIRUDHAN T. P. **(ATP18ME006)**
SYLESH SREEHARI **(ATP18ME022)**

DEPARTMENT OF MECHANICAL ENGINEERING

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
(ISO 9001:2015 Certified Institution)
Approved by AICTE & Affilated to A. P. J. Abdul Kalam Technological University
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923-226666, www.ahalia.ac.in

of Bachelor of Technology in Mechanical Engineering is a bona fide record of the project work related to the paper **ME492: PROJECT** carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

Supervisor
Name: Vignesh.V
Signature:

Head of the Department
Name:
Signature:

PRODUCTION AND PERFORMANCE EVALUATION OF BIODIESEL EXTRACTED FROM WASTE COOKING OIL AND HIBISCUS OIL IN A SINGLE CYLINDER DIESEL ENGINE

A project report on main project submitted for the partial fulfillment of requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

(APJ Abdul Kalam Technological University)
under the supervision of

Mr. ANIL M

&

Mr. BASIL BABY



GROUP MEMBERS

ASWAN A.	**(ATP18ME007)**
MOHAMMED HARIS K. C.	**(ATP18ME014)**
KISHOR K.	**(LATP18ME027)**

DEPARTMENT OF MECHANICAL ENGINEERING

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

JUNE 2022

DEPARTMENT OF MECHANICAL ENGINEERING

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY, PALAKKAD

CERTIFICATE

This is to certify that the report entitled "**PRODUCTION AND PERFORMANCE EVALUATION OF BIODIESEL EXTRACTED FROM WCO AND HIBISCUS OIL IN A SINGLE CYLINDER DIESEL ENGINE**" submitted by **ASWAN A (ATP18ME007), MOHAMMED HARIS K C (ATP18ME014), KISHOR K (LATP18ME027)** to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide record of the project work related to the paper **ME492: PROJECT** carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

Supervisors

Name: ANIL M

Signature:

Name: BASIL BABY

Signature

Head of the department

Name: Prakash D

Signature:

STUDY AND ANALYSIS OF VELOCITY AND DISTORTION PROFILE IN LARGE PENSTOCK

A report on main project submitted

for the partial fulfillment of requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

(APJ Abdul Kalam Technological University)

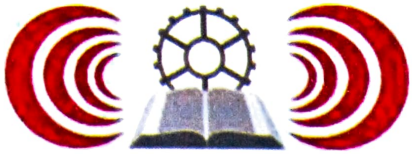
UNDER THE SUPERVISION OF

Mr U MUTHUKUMAR , SENIOR RESEARCH ENGINEER , FCRI

Dr. M SURESH , DEPUTY DIRECTOR , FCRI

&

Mr. DHANESH S , PROFESSOR , ASET



GROUP MEMBERS

AMAL CS (ATP18ME010)
NISHANT K NAIR (ATP18ME015)
RAVIN RAMACHANDRAN (ATP18ME016)

DEPARTMENT OF MECHANICAL ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING
AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY, PALAKKAD

CERTIFICATE

This is to certify that the report entitled **"CFD ANALYSIS ON MULTIPATH FLOWMETER IN NON IDEAL INSTALLATION IN HYDEL PENSTOCK"** submitted by **AMAL CS (ATP18ME010) , NISHANT K NAIR (ATP18ME015) , RAMACHANDRAN (ATP18ME016)** to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide record of the project work related to the paper ME492: **PROJECT FINAL** carried out by him under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

FABRICATION OF HYBRID NATURAL FIBER REINFORCED COMPOSITE

A report on main project submitted

for the partial fulfillment of requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

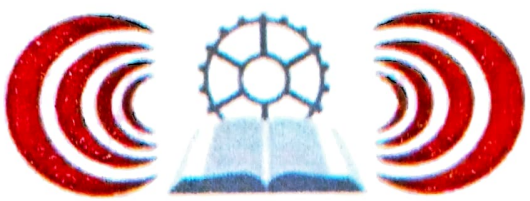
in

MECHANICAL ENGINEERING

(APJ Abdul Kalam Technological University)

under the supervision of

Mr. JISHNOOP JAYAPRAKASH , ASST PROFESSOR , ASET



Submitted by

VIJITH K	**(ATP18ME023)**
A VINAYAK	**(ATP18ME009)**
ASWIN KANNAN	**(ATP18ME008)**
SREEJITH S	**(ATP18ME020)**

DEPARTMENT OF MECHANICAL ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING
AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY, PALAKKAD

CERTIFICATE

This is to certify that the report entitled **"FABRICATION OF HYBRID NATURAL FIBER REINFORCED COMPOSITE"** submitted by **VIJITH.K (ATP18ME023), ASWIN KANNAN (ATP18ME008) , A VINAYAK (ATP18ME009) , SREEJITH S (ATP18ME020)** to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Mechanical