

SOLAR POWERED AIR COOLING SYSTEM FOR CARS WHILE PARKING

PROJECT REPORT

Submitted by

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MOHAMED AZHAR (RCE15ME058)

HANEESH T H (RCE15ME045)

To

APJ Abdul Kalam Technological University

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

of

Bachelor of Technology in Mechanical Engineering



**DEPARTMENT OF MECHANICAL ENGINEERING
ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY
CHIRAMANANGAD P.O.**

AKKIKAVU

APRIL 2019

**DEPARTMENT OF MECHANICAL ENGINEERING,
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CHIRAMANANGAD P.O., AKKIKAVU**



CERTIFICATE

This is to certify that the report entitled **SOLAR POWERED AIR COOLING SYSTEM WHILE PARKING CARS** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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AQUA GENERATOR USING Peltier Effect

PROJECT REPORT

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To

APJ Abdul Kalam Technological University

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BONAFIDE CERTIFICATE

This is to certify that the report entitled **AQUA GENERATOR USING PELTIER EFFECT** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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DESIGN AND FABRICATION OF SELF- PROPELLED POWER TROLLEY

PROJECT REPORT

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CERTIFICATE

This is to certify that the project report entitled **DESIGN AND FABRICATION OF SELF-PROPELLED POWER TROLLEY** to 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 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.


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PLACE: AKKIKAVU

DATE : 25/04/2019

DESIGN AND FABRICATION OF FOOT OPERATED VEHICLE FOR ARMLESS PEOPLE

PROJECT REPORT

Submitted by

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To

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**DESIGN AND FABRICATION
OF
COCONUT HARVESTING ROBOT**

PROJECT REPORT

Submitted by

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To

*the APJ Abdul Kalam Technological University
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**DEPARTMENT OF MECHANICAL ENGINEERING,
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CERTIFICATE

This is to certify that the report entitled '**DESIGN AND FABRICATION OF COCONUT HARVESTING ROBOT**' submitted 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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SOLAR POWERED AIR PURIFICATION SYSTEM USING ELECTROSTATIC PRECIPITATOR

PROJECT REPORT

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*in partial fulfillment of the requirements for the award of the
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Bachelor of Technology in Mechanical Engineering



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BONAFIDE CERTIFICATE

This is to certify that the report **SOLAR POWERED AIR PURIFICATION SYSTEM USING ELECTROSTATIC PRECIPITATOR** 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 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.

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FABRICATION OF SMART CRASH SENSING HELMET

PROJECT REPORT

Submitted by

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To

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CERTIFICATE

This is to certify that the report entitled **FABRICATION OF SMART CRASH SENSING HELMET** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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COMPOSITE MATERIAL USING BANANA AND SISAL FIBRE TO COMAPARE WITH STANDERD PLASTIC

PROJECT REPORT

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To

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This is to certify that the report entitled **COMPOSITE MATERIAL USING BANANA, SISAL FIBRE TO COMPARE WITH STANDARD PLASTIC** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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DESIGN AND FABRICATION OF HYBRID SCOOTER

PROJECT REPORT

Submitted by

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To

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CERTIFICATE

This is to certify that the report entitled **DESIGN AND FABRICATION OF HYBRID SCOOTER** to 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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SPEED RECOGNIZED PNEUMATIC BUMPER

PROJECT REPORT

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This is to certify that the report entitled **SPEED RECOGNIZED PNEUMATIC BUMPER** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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DESIGN AND FABRICATION OF THERMAL ENERGY STORAGE USING PCMs

PROJECT REPORT

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BONAFIDE CERTIFICATE

This is to certify that the report entitled **THERMAL ENERGY STORAGE USING PCMs** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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BED AIR CONDITIONING SYSTEM

PROJECT REPORT

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Bonafide CERTIFICATE

This is to certify that the report entitled **BED AIR CONDITIONER** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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COOLING USING PELTIER AND ZEER POT

PROJECT REPORT

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BONAFIDE CERTIFICATE

This is to certify that the report entitled **COOLING USING PELTIER AND ZEER POT** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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**DESIGN AND FABRICATION OF
PAPER RECYCLING MACHINE
PROJECT REPORT**

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RINO K R (RCE15ME095)

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BONAFIDE CERTIFICATE

This is to certify that the report entitled **DESIGN AND FABRICATION OF PAPER RECYCLING MACHINE** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.


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ELEPHANT IMMOBILIZER

PROJECT REPORT

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This is to certify that the report entitled **ELEPHANT IMMOBILIZER** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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STANDING WHEELCHAIR FOR SEMI-PARALYZED PEOPLE

PROJECT REPORT

Submitted by

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Bonafide CERTIFICATE

This is to certify that the report entitled **STANDING WHEELCHAIR FOR SEMI-PARALYZED PEOPLE** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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RF CONTROLLED BEACH CLEANING VEHICLE

PROJECT REPORT

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This is to certify that the report entitled **RF CONTROLLED BEACH CLEANING VEHICLE** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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**DESIGN AND FABRICATION
OF
ARDUINO ASSISTED ABS**

PROJECT REPORT

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This is to certify that the report entitled **DESIGN AND FABRICATION OF ARDUINO ASSISTED ABS** to 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.


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AN INVESTIGATIVE AND COMPARITIVE STUDY;WPPO

(WASTE PLASTIC PYROLYSIS OIL)

PROJECT REPORT

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This is to certify that the report entitled **AN INVESTIGATIVE AND COMPARITIVE STUDY;WPPO** 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 carried out by them under my/our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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DESIGN & FABRICATION OF PEPSO REFRIGERATOR

PROJECT REPORT

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To

APJ Abdul Kalam Technological University

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

of

Bachelor of Technology in Mechanical Engineering



**DEPARTMENT OF MECHANICAL ENGINEERING
ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY
CHIRAMANANGAD P.O.**

AKKIKAVU

APRIL 2019

**DEPARTMENT OF MECHANICAL ENGINEERING,
ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY
CHIRAMANANGAD P.O., AKKIKAVU**



BONAFIDE CERTIFICATE

This is to certify that the report entitled **DESIGN & FABRICATION OF PEPSO REFRIGERATOR** to 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 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.

Internal Supervisor

Mr. GOPI KRISHNA N

Assistant prof.

ME Dept.

Project Coordinator

Mr. LEO A J

Assistant prof.

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Mr. SANGEETH T S,

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