

A
Socially Relevant Project Report on
MULTI NOZZLE WHEEL SPRAY PUMP

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

BACHELOR OF TECHNOLOGY
In
MECHANICAL ENGINEERING

Submitted by

19AK1A0309
19AK1A0310
19AK1A0311
19AK1A0312

M.Dharshan
P.Dilli prasad
A.Gnana prasad
P.M.V.S.Gowtham

Under the esteemed guidance of

M.Vinay Kumar
Assistant Professor,
Department of Mechanical Engineering



MECHANICAL ENGINEERING

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

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2020-2021

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Tirupati- 517520.

MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the socially relevant project work entitled, "MULTI NOZZLE WHEEL SPRAY PUMP", done by M.DHARSHAN(19AK1A0309), P.DILLI PRASAD (19AK1A0310), A.GNANA PRASAD (19AK1A0311), P.M.V.S.GOWTHAM(19AK1A0312 is being submitted in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.

Signature of the Supervisor
M. Vinay Kumar
Assistant Professor,
Mechanical Engineering.

Signature of the Head of the Department
SRI M. BALAJI M.Tech(Phd),
Head Of The Department
Mechanical Engineering.

DATE:

INTERNAL EXAMINER

A
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P.M.V.S.Gowtham

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Tirupati- 517520.


MECHANICAL ENGINEERING



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Signature of the Supervisor
M. Vinay Kumar
Assistant Professor,
Mechanical Engineering.


Signature of the Head of the Department
SRI M. BALAJI M.Tech(Phd),,
Head Of The Department
Mechanical Engineering.

DATE:

INTERNAL EXAMINER

A
Socially Relevant Project Report
on

SOLARBICYCLE

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

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted by

M.DHARSHAN	19AK1A0309
P.DILLIPRASAD	19AK1A0310
A.GNANAPRASAD	19AK1A0311
P.M.V.S.GOWTHAM	19AK1A0312

Under the esteemed guidance of
Mr. P. VENKATA MAHESH M-tech (PIID)
Assistant Professor, Department of Mechanical Engineering



Submitted to
MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)

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2017-2021

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Tirupati- 517520.

Mechanical Engineering



CERTIFICATE

This is to certify that the socially relevant project work entitled, "**SOLAR BICYCLE**", done by M.DHARSHAN (19AK1A0309), P.DILLIPRASAD (19AK1A0310), A.GNANA PRASAD (19AK1A0311) & P.M.V.S.GOWTHAM (19AK1A0312) is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.

Signature of the Supervisor

Mr. P. Venkata Mahesh

Assistant Professor,

Mechanical Engineering Department,

Signature of the Head of the Department

Mr. M. Balaji,

Assistant Professor,

Mechanical Engineering Department.

DATE: 30/9/21

A

Socially Relevant Project Report on

ZERO TURN VEHICLE

Submitted in partial fulfilment of the requirements for the

award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted by

G. VIJAY SHANKAR

19AK1A0334

S. YOGABALAJI

19AK1A0335

S. YUVARAJU REDDY

19AK1A0336

Under the esteemed guidance of

C. JAYSHYAM, M. TECH

Assistant Professor

MECHANICAL ENGINEERING



MECHANICAL ENGINEERING

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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2021-2022

ZERO TURN VEHICLE**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

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**CERTIFICATE**

This is to certify that the socially relevant project work entitled, "**ZERO TURN VEHICLE**", done by **G. VIJAY SHANKAR** **19AK1A0334** is being submitted in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, is a record of Bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.

C. Jay Shyam
Signature of the Supervisor
C. JAYSHYAM, M. TECH
ASSISTANT PROFESSOR,
MECHANICAL DEPARTMENT.

DATE: 26-05-2022
INTERNAL EXAMINER

M. Balaji
Signature of the Head of Department
MR. M. BALAJI, M. TECH (PH.D)
ASSISTANT PROFESSOR
MECHANICAL DEPARTMENT.

EXTERNAL EXAMINER

A
Socially Relevant Project Report
on

GROUNDNUT SHELL REMOVAL MACHINE

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

BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

Submitted by

DHANUNJAYA VUKKADALA	20AK5A0309
DINESH LOKANADHAM	20AK5A0310
A GOWTHAM KUMAR	20AK5A0313
SHARABU GNANESH	20AK5A0312

Under the esteemed guidance of
Mr. M.Balaji M-TECH (PHD)
Assistant Professor, Department of Mechanical Engineering



Submitted to

MECHANICAL ENGINEERING

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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2017-2021

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Tirupati- 517520.

Mechanical Engineering

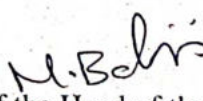


CERTIFICATE

This is to certify that the socially relevant project work entitled, "**GROUNDNUT SHELL REMOVAL MACHINE**", done by **Dhanunjaya Vukkadala (20AK5A0309)**, **Dinesh Lokanadham (20AK5A0310)**, **Sharabu Gnanesh (20AK5A0312)** & **A Gowtham Kumar (20AK5A0313)** is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.


Signature of the Supervisor

Mr. M. Balaji
Assistant Professor,
Mechanical Engineering Department,


Signature of the Head of the Department

Mr. M. Balaji,
Assistant Professor,
Mechanical Engineering Department.

DATE: 12-9-2022

A Socially Relevant Project Report on
**FABRICATION OF REVOLVING HYDRAULIC
SCISSOR LIFT**

Submitted in partial fulfilment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY
in
MECHANICAL ENGINEERING
of
JNTU Anantapur, Anantapuramu
by

19AK1A0305	N. Badrinath
19AK1A0306	Balu naveen
19AK1A0307	M. Bharath
19AK1A0308	P. Bose

Under the esteemed guidance of

Mr. K. RAJASEKHAR M-Tech
ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
TIRUPATI – 517 520

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapuramu,
Accredited by NBA, NAAC)

APRIL 2020-2021

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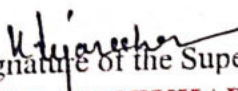
Tirupati- 517520.


MECHANICAL ENGINEERING



CERTIFICATE

*This is to certify that the socially relevant project work entitled, "**GENERATION OF ELECTRICITY USING MAGNETS - FREE ELECTRICAL GENERATION**", done by **N.BADRINATH(19AK1A0305), BALU NAVEEN(19AK1A0306), M.BHARATH (19AK1A0307), P.BOSE (19AK1A0308)** is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the **Annamacharya Institute of Technology and Science, Tirupati**, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.*


Signature of the Supervisor
Mr.K.RAJASEKHARA MTech
Assistant Professor
Mechanical Engineering
Department.


Signature of the Head of the Department
Mr.M.BALAJI MTech
Assistant Professor
Mechanical Engineering Department.

DATE: 6 - 10 - 2021

INTERNAL EXAMINER

A
Socially Relevant Project Report
On

GAS LEAKAGE DETECTOR

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

BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

Submitted by

A.SHASHANK	20AK5A0334
P.S.ARAVIND	20AK5A0335
M.SUNIL	20AK5A0336
K.VASU	20AK5A0337

Under the esteemed guidance of
Mr. K.RAJASEKHAR M-TECH
Assistant Professor, Department of Mechanical Engineering



Submitted to

MECHANICAL ENGINEERING

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2017-2021

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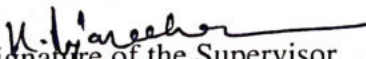
Tirupati- 517520.

Mechanical Engineering




CERTIFICATE

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Signature of the Supervisor

Mr. K. RAJASEKHAR

Assistant Professor,
Mechanical Engineering Department,


Signature of the Head of the Department

Mr. M. Balaji,

Assistant Professor,
Mechanical Engineering Department.

DATE:

A
Socially Relevant Project Report
On

SOLAR OUTDOOR MOTION LIGHT
Submitted in partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
In
MECHANICAL ENGINEERING

Submitted by

A.SHASHANK	(20AK5A0334)
P.S.ARAVIND	(20AK5A0335)
M.SUNIL	(20AK5A0336)
K.VASU	(20AK5A0337)

Under the esteemed guidance of
MR K.RAJASEKHAR, M.Tech

Assistant Professor, Department of Mechanical Engineering



Submitted to

MECHANICAL ENGINEERING

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Tirupati- 517520.

Mechanical Engineering



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Signature of the Supervisor

K.RAJASEKHAR

Assistant Professor,

Mechanical Engineering Department,


Signature of the Head of the Department

Mr. M. Balaji,

Assistant Professor,

Mechanical Engineering Department.

DATE: 23/9/21

A
Socially Relevant Project Report on

POWER GENERATION BY SOLAR STIRLING ENGINE

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

BACHELOR OF TECHNOLOGY **In** **MECHANICAL ENGINEERING**

Submitted by

B.MANOHAR ACHARI	(19AK1A0322)
S.NIKHIL VARMA	(19AK1A0323)
P.P.C. SEHSA SAI	(19AK1A0324)
R.RAVINDRA	(19AK1A0325)

Under the esteemed guidance of

Dr. J. VenuMurali
Associate Professor,
Department of Mechanical Engineering



MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES **(AUTONOMOUS)**

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517520.
2020-2021

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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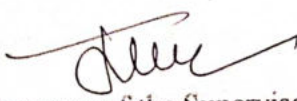
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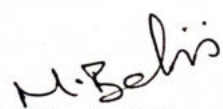
MECHANICAL ENGINEERING



CERTIFICATE

*This is to certify that the socially relevant project work entitled, “ **POWER GENERATION BY SOLAR STIRLING ENGINE**”, done by **B.MANOHAR ACHARI (19AK1A0322, S.NIKHIL VARMA (19AK1A0323), P.P.C.SESHA SAI (19AK1A0324), R.RAVINDRA (19AK1A0325)** is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.*


Signature of the Supervisor
DR. J. VENUMURALI
Associate Professor,
Mechanical Engineering.


Signature of the Head of Department
MR. M. BALAJI M.Tech,(Ph.D)
Head Of Department
Mechanical Engineering.

DATE: 26-10-22

INTERNAL EXAMINER

A Socially Relevant Project Report on
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MAGNETS - FREE ELECTRICAL
GENERATION**

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

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted by

ALAGANI SAI MEENESH REDDY	(19AK1A0326)
GANIMINENI SAI SHANKAR	(19AK1A0327)
SHAIK JABIVULLA	(19AK1A0328)
YARRAMPALLI SIVAKUMAR	(19AK1A0329)

Under the esteemed guidance of

MS.P.INDRAPRASTHA Mtech

ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING ANNAMACHARYA

INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

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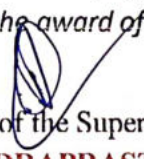
Tirupati- 517520.

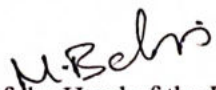
MECHANICAL ENGINEERING



CERTIFICATE

*This is to certify that the socially relevant project work entitled, " **GENERATION OF ELECTRICITY USING MAGNETS - FREE ELECTRICAL GENERATION** ", done by **ALAGANI SAI MEENESH REDDY(19AK1A0326)** is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the **Annamacharya Institute of Technology and Science, Tirupati**, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.*


Signature of the Supervisor
MS.P.INDRAPRASTHA
Assistant Professor
Mechanical Engineering
Department.


Signature of the Head of the Department
SRI.M.BALAJI
Assistant Professor
Mechanical Engineering Department.

DATE: 28/09/2021


INTERNAL EXAMINER

A
Socially Relevant Project Report
on
Silent Air Purifier and Humidifier Using water Filter

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

BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

Submitted by

P. BHARATH (20AK5A0305)
C. CHAITHANYA(20AK5A0306)
T.CHAITHANYA (20AK5A0307)
P.CHAMANTH(20AK5A0308)

Under the esteemed guidance of
Sri. M. Vinay kumar
Assistant Professor, Department of Mechanical Engineering



Submitted to

MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapuramu.

Two B. Tech Programmes (CSE & ECE) are accredited by NBA, New Delhi.
Accredited by NAAC with 'A' Grade, Bangalore. Accredited by Institution of
Engineers (India), KOLKATA. A-grade awarded by AP Knowledge Mission.
Recognized under sections 2(f) & 12(B) of UGC Act 1956.) Tirupati- 517520.

2017-2021

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

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Tirupati- 517520.

Mechanical Engineering



CERTIFICATE

*This is to certify that the socially relevant project work entitled, “**Silent Air Purifier and Humidifier Using water Filter**”, doneby **P. Bharth (20AK5A0305)**, **C. Chaithanya (20AK5A0306)**, **T. Chaithanya (20AK5A0307)** & **P. Chamanth (20AK5A0308)** is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.*

Signature of the Supervisor

Sri .M. Vinay kumar

Assistant Professor,

Mechanical Engineering Department,

Signature of the Head of the Department

Mr. M. Balaji,

Assistant Professor,

Mechanical Engineering Department.

DATE: 25/5/22

A
Socially Relevant Project Report
on

RFID Based Secure Smart School Bus System

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

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted by

T . NANDA VARDHAN (20AK5A0320)
G.MANJUNATH (20AK5A0318)
K.MANOJ KUMAR (20AK5A0319)
N.NARASIMHA (20AK5A0321)

Under the esteemed guidance of

Smt.S.PRAVEENA

Assistant Professor, Department of Mechanical Engineering



Submitted to

MECHANICAL ENGINEERING

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapuramu.

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Engineers (India), KOLKATA. A-grade awarded by AP Knowledge Mission.

Recognized under sections 2(f) & 12(B) of UGC Act 1956.) Tirupati- 517520.

2017-2021

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

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Tirupati- 517520.

Mechanical Engineering



CERTIFICATE

*This is to certify that the socially relevant project work entitled, “ **RFID Based Secure Smart School Bus System**”, done by **T.NANDA VARDHAN(20AK5A0320)**, **N.NARASIMHA (20AK5A0321)**, **K.MANOJKUMAR (20AK5A0319)** & **G.MANJUNATH (20AK5A0318)** is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.*

S. Praveena

Signature of the Supervisor

Smt.S.PRAVEENA

Assistant Professor,

Mechanical Engineering Department,

M. Balaji

Signature of the Head of the Department

Mr. M. Balaji.

Assistant Professor,

Mechanical Engineering Department.

DATE: 28/09/21

A
Socially Relevant Project Report
on

RC UNDERWATER EXPLORATION DRONE

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

BACHELOR OF TECHNOLOGY In MECHANICAL ENGINEERING

Submitted by

D.JAYANTHI SAI VARMA	(19AK1A0317)
K. KIRAN	(19AK1A0318)
K.SAGAR	(19AK1A0320)
P.MADHAN	(19AK1A0321)

Under the esteemed guidance of
S.PRAVEENA, MTECH
Assistant professor, MECHANICAL ENGINEERING



MECHANICAL ENGINEERING

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapuramu.
accredited by NBA, Accredited by NAAC) Tirupati- 517520.
2020-2021

CERTIFICATE

This is to certify that the socially relevant project work entitled, "**RC UNDERWATER EXPLORATION DRONE**", done by


D.JAYANTH SAI VARMA (19AK1A0317)

K. KIRAN (19AK1A0318)

K.SAGAR (19AK1A0320)

P.MADHAN (19AK1A0321)

is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science during the academic year 2020-2021, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.


Signature of the Supervisor
S.PRAVEENA
ASSISTANT PROFESSOR
Mechanical engineering department.


Signature of the Head of the Department
MR.M.BALAJI
ASSISTANT PROFESSOR
Mechanical engineering department

DATE:

INTERNALEXAMINER:

EXTERNALEXAMINER:

A Socially Relevant Project Report on

VEHICLE TRACKING AND ACCIDENT DETECTION SYSTEM USING ACCELEROMETER

Submitted in partial fulfillment of the requirements

For the award of the degree of

**BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING**

Submitted by

T. NANDA VARDHAN (20AK5A0320)

G. MANJUNATH (20AK5A0318)

K. MANOJ KUMAR (20AK5A0319)

N. NARASIMHA (20AK5A0321)

Under the esteemed guidance of

Smt.S.PRAVEENA,

M.Tech

ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Venkatapuram (V), Karakambadi (Po), Renigunta (M), Tirupati - 517520, A.P.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTAPURAMU

2021-2022

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Venkatapuram (V), Karakambadi (Po), Renigunta (M), Tirupati - 517520, A.P.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the socially relevant project work entitled, "**VEHICLE TRACKING AND ACCIDENT DETECTION SYSTEM USING ACCELEROMETER**", done by T.NANDAVARDHAN (20AK5A0320), N.NARASIMHA (20AK5A0321), K.MANOJKUMAR (20AK5A0319) & G.MANJUNATH (20AK5A0318) is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, from Jawaharlal Nehru Technological University Anantapur, Anantapuramu during the year 2020-21.

M. Balaji
Head of the Department
M.BALAJI, M.Tech, (Ph.D).
Assistant Professor
Dept. of MECH,
AITS, Tirupati.

[Signature]
Signature of the Supervisor
Date: 3/7/22
Place: Tirupathi.

[Signature]
Faculty Coordinator

A
Socially Relevant Project Report on

MANUAL ROAD CLEANING MACHINE

Submitted in partial fulfilment of the requirements for the award of the
degree of

BACHELOR OF TECHNOLOGY In MECHANICAL ENGINEERING

Submitted by

R. RAVINDRA	(19AK1A0325)
B. MANOHAR ACHARI	(19AK1A0322)
S. NIKHIL VARMA	(19AK1A0323)
P.P.C. SEHSA SAI	(19AK1A0324)

Under the esteemed guidance of

Mr. S. SIVA SANKAR MTech. (Ph.D.)
Assistant Professor
MECHANICAL ENGINEERING



MECHANICAL ENGINEERING

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapur. Two B. Tech Programmes (CSE & ECE) are accredited by NBA, New Delhi. Accredited by NAAC with 'A' Grade, Bangalore. Accredited by Institution of Engineers (India), KOLKATA. A-grade awarded by AP Knowledge Mission. Recognized under sections 2(f) & 12(B) of UGC Act 1956.) Tirupati - 517520.
2020-2021

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

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Tirupati- 517520

MECHANICAL ENGINEERING



CERTIFICATE

This is to that the socially relevant project work entitled, "**MANUAL ROAD CLEANING MACHINE**", done By **R. Ravindra (19AK1A0325)** is being submitted in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, is a record of Bonafede work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma

Signature of the Supervisor

S.SIVA SHANKAR MTech (ph.D)

MECHANICAL ENGINEERING

Signature of the Head of the Department

M.BALAJI MTech (ph.D)

MECHANICAL ENGINEERING

DATE: 08/07/2021

INTERNAL EXAMINER

A Socially Relevant Project Report

On

ADVANCE STAIR CLIMBING TROLEY

Submitted in partial fulfillment of the requirements

For the award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted by

P.PURUSHOTHAM (20AK5A0326)

B.RANJITH (20AK5A0327)

N.SAI GANESH (20AK5A0328)

UDAYAGIRI SAI SASANK (20AK5A0329)

Under the esteemed guidance of

Mr. S .SIVA SANKAR M. Tech (Ph. D)

ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)**

Venkatapuram (V), Karakambadi (Po), Renigunta (M), Tirupati - 517520, A.P.

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR,
ANANTAPURAMU.**

2020-2021

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)

Venkatapuram (V), Karakambadi (Po), Renigunta (M), Tirupati - 517520, A.P.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the socially relevant project work entitled, **“ADVANCE STAIR CLIMBING TROLLEY”**, done by **P.PURUSHOTHAM (20AK5A0326) B.RANJITH (20AK5A0327), N.SAIGANESH(20AK5A0328), U.SAISASANK(20AK5A0329)** being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** to the **Annamacharya Institute of Technology and Science, Tirupati**, from Jawaharlal Nehru Technological University Anantapur, Anantapuramu during the year 2020-21.

M. Balaji
Head of the Department
Sri. M. BALAJI,
Assistant Professor,
Dept. of ME,
AITS, Tirupati.

[Signature]
Signature of the Supervisor

Date: 25-05-22

Place: Tirupati.

[Signature]
Faculty Coordinator

A Socially Relevant Project Report on

**GENERATION OF ELECTRICITY USING
MAGNETS - FREE ELECTRICAL
GENERATION**

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

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted by

K. SNEHA

(19AK1A0330)

K. SRAVANTH

(19AK1A0331)

P.V.P .ESWAR SAI

(19AK1A0332)

P.R. VENKAT HEMANTH

(19AK1A0333)

Under the esteemed guidance of

MR.KUMAR SIR. Mtech

ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

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2020-2021

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Tirupati- 517520.

MECHANICAL ENGINEERING

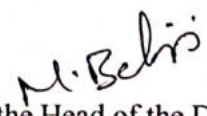


CERTIFICATE

*This is to certify that the socially relevant project work entitled, " **GENERATION OF ELECTRICITY USING MAGNETS - FREE ELECTRICAL GENERATION** ", done by **K SNEHA (19AK1A0330)**,*

*is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the **Annamacharya Institute of Technology and Science, Tirupati**, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.*


Signature of the Supervisor
MR. KUMAR.mtech
Assistant Professor
Mechanical Engineering
Department.


Signature of the Head of the Department
SRI.M.BALAJI
Assistant Professor
Mechanical Engineering Department.

DATE: 28/09/2021


INTERNAL EXAMINER

A Socially Relevant Project Report on

**AIRBAGS
IN
AUTOMOBILES**

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

BACHELOR OF TECHNOLOGY
In

MECHANICAL ENGINEERING

Submitted by

K. SNEHA

(19AK1A0330)

K. SRAVANTH

(19AK1A0331)

P.V.P .ESWAR SAI

(19AK1A0332)

P.R. VENKAT HEMANTH

(19AK1A0333)

Under the esteemed guidance of

Mr . K. KUMAR

ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

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2020-2021

3-2

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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Tirupati- 517520.

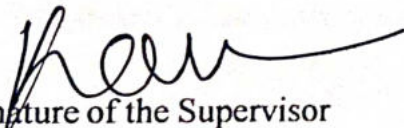
MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the socially relevant project work entitled, "AIRBAGS IN AUTOMOBILES", done by MS. K. SNEHA, ROLL NO.19AK1A0330, Mr. K. SRAVANTH, ROLL NO.19AK1A0331, Mr. P.V.P .ESWAR SAI, ROLL NO.19AK1A0332, Mr. P.R. VENKAT HEMANTH, ROLL NO.19AK1A0333

*is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.*


Signature of the Supervisor
Mr. KUMAR
Assistant Professor,
Mechanical Engineering
Department.


Signature of the Head of the Department
Mr.M.BALAJI
Assistant Professor &HOD,
Mechanical Engineering,
Department.

DATE: 26.05.22

INTERNAL EXAMINER

A
Socially Relevant Project Report
on
SOLAR WATER PUMPING SYSTEM

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

BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

Submitted by

CH. NARENDRA	(20AK5A0322)
K. NARENDRA	(20AK5A0323)
R. PAVAN KUMAR	(20AK5A0324)
B. PRUDHVI	(20AK5A0325)

Under the esteemed guidance of
Sri. K. KUMAR, M.Tech (Ph.D)
Associate Professor,
Department of Mechanical Engineering



**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

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Engineers (India), KOLKATA. A-grade awarded by AP Knowledge Mission.
Recognized under sections 2(f) & 12(B) of UGC Act 1956.) Tirupati- 517520.
2021-2022

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

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Tirupati- 517520.

Mechanical Engineering



CERTIFICATE

*This is to certify that the socially relevant project work entitled, “ **SOLAR WATER PUMPING SYSTEM**”, done by **CH. NARENDRA (20AK5A0322), K. NARENDRA (20AK5A0323), R. PAVAN KUMAR (20AK5A0324) & B. PRUDHVI (20AK5A0325)** is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.*


Signature of the Supervisor

Sri. K. Kumar, M.Tech (Ph.D)

Associate Professor,
Mechanical Engineering Department


Signature of the Head of the Department

Sri. M. Balaji, M.Tech (Ph.D)

Assistant Professor,
Mechanical Engineering Department

DATE: 15/09/2022

Socially Relevant Project Report on
**STEAM INHALATION UNIT TO INCREASE OXYGEN AND STEAM
POWER PLANT BY USING HOME APPLICATIONS**

Submitted in partial fulfilment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
In
DEPARTMENT OF MECHANICAL ENGINEERING

Submitted by

**C. H. NARENDRA
K. NARENDRA
R. PAVAN KUMAR
B. PRUDHVI**

**20AK5A0322
20AK5A0323
20AK5A0324
20AK5A0325**

Under the esteemed guidance of
Mr K. Kumar.
Associate Professor, Department of Mechanical Engineering



Submitted to

MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapur.
Two B. Tech Programmes (CSE & ECE) are accredited by NBA, New Delhi. Accredited
by NAAC with 'A' Grade, Bangalore. Accredited by Institution of Engineers (India),
KOLKATA. A-grade awarded by AP Knowledge Mission. Recognized under sections 2(f)
& 12(B) of UGC Act 1956.) Tirupati- 517520.
2021-2022

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

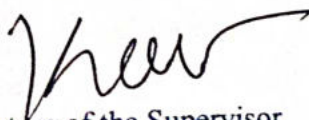
This is to certify that the socially relevant project work entitled

**“STEAM INHALATION UNIT TO INCREASE OXYGEN AND STEAM
POWER PLANT BY USING HOME APPLICATIONS”**

done by C. H. NARENDRA (20AK5A0322), K. NARENDRA (20AK5A0323), R. PAVAN
KUMAR (20AK5A0324), B. PRUDHVI (20AK5A0325) is being submitted in partial
fulfilment of the requirements for the award of the degree of **BACHELOR OF
TECHNOLOGY in MECHANICAL ENGINEERING** to the **Annamacharya Institute of
Technology and Science, Tirupati**, from Jawaharlal Nehru Technological University
Anantapur, Anantapur during the year 2021-22.


Head of the Department
M. BALAJI, MTech, (Ph.D.)
Assistant Professor
Dept. of MECH,

AITS, Tirupati.


Signature of the Supervisor
Date: 26-05-2022
Tirupati.


Faculty Coordinator,

A
Socially Relevant Project Report
on

**PEDDIE OPERATED GRAIN MILL
AND POWERED GENERATOR**

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

BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

Submitted by

DINESH LOKANADHAM	20AK5A0310
DHANUNJAYA VUKKADALA	20AK5A0309
A GOWTHAM KUMAR	20AK5A0313
SHARABU GNANESH	20AK5A0312

Under the esteemed guidance of
Mr. M.Balaji M-tech (PHD)
Assistant Professor, Department of Mechanical Engineering



Submitted to

MECHANICAL ENGINEERING

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapuramu.
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Accredited by NAAC with 'A' Grade, Bangalore. Accredited by Institution of
Engineers (India), KOLKATA. A-grade awarded by AP Knowledge Mission.
Recognized under sections 2(f) & 12(B) of UGC Act 1956.) Tirupati- 517520.
2017-2021

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapuramu. Two B. Tech Programmes (CSE & ECE) are accredited by NBA, New Delhi. Accredited by NAAC with 'A' Grade, Bangalore. Accredited by Institution of Engineers (India), KOLKATA. A-grade awarded by AP Knowledge Mission. Recognized under sections 2(f) & 12(B) of UGC Act 1956.)

Tirupati- 517520.

Mechanical Engineering



CERTIFICATE

This is to certify that the socially relevant project work entitled, **"PEDDLE OPERATED GRAIN MILL AND POWERED GENERATOR"**, done by **Dhanunjaya Vukkadala (20AK5A0309)**, **Dinesh Lokanadham (20AK5A0310)**, **Sharabu Gnanesh (20AK5A0312)** & **A Gowtham Kumar (20AK5A0313)** is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.

M. Balaji

Signature of the Supervisor

Mr. M. Balaji

Assistant Professor,

Mechanical Engineering Department,

M. Balaji

Signature of the Head of the Department

Mr. M. Balaji,

Assistant Professor,

Mechanical Engineering Department.

DATE:

3-2 ✓

A Socially Relevant Project Report on
DESIGN OF AUTOMATED SEED SOWING MACHINE

Submitted in partial fulfilment of the requirements for
the award of the degree of

BACHELOR OF TECHNOLOGY
In
MECHANICAL ENGINEERING

Submitted by

KOLI IBOINA VENKAT HARISH	(20AK5A0338)
ALLURU VIJAY KUMAR	(20AK5A0339)
BOYA VIJEYUDU	(20AK5A0340)
GAJULA VINAY	(20AK5A0341)
POLAKAL VISHNU VARDHAN	(20AK5A0342)

Under the Guidance of

Ms. LAKSHMI, M-Tech

Assistant professor



MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapur.
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by NAAC with 'A' Grade, Bangalore. Accredited by Institution of Engineers (India),
KOLKATA. A-grade awarded by AP Knowledge Mission. Recognized under sections 2(f)
& 12(B) of UGC Act 1956.) Tirupati- 517520. 2017-2021

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)

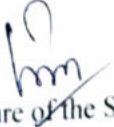
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Mission. Recognized under sections 2(f) & 12(B) of UGC Act 1956.) Tirupati-
517520.

MECHANICAL ENGINEERING




CERTIFICATE

This is to certify that the socially relevant project work entitled, "DESIGN OF AUTOMATED
SEED SOWING MACHINE", done by VENKATA HARISH (20AK5A0338), VIJAY
KUMAR (20AK5A0339), VIJEYUDU (20AK5A0340), VINAY KUMAR (20AK5A0341),
VISHNU VARDHA (20AK5A0342), is being submitted in partial fulfilment of the
requirements for the award of the degree of BACHELOR OF TECHNOLOGY in
MECHANICAL ENGINEERING to the Annamacharya Institute of Technology and Science,
Tirupati, is a record of bonafide work carried out by them under my guidance and supervision.
The results embodied in this socially relevant project report have not been submitted to any
other university or institute for the award of any degree or diploma.


Signature of the Supervisor
MS. S. LAKSHMI, M.Tech
Assistant professor,
Dept. Of MECH, AITS, Tirupati.


Faculty Coordinator

Date: 11-7-22
Place: Tirupati


Signature of the Head of the Department
MR. M. BALAJI, M.Tech (Ph.D.)
Head of department,
Dept. Of MECH, AITS, Tirupati.

A Socially Relevant Project Report on
DESIGN OF AUTOMATED SEED SOWING MACHINE

Submitted in partial fulfilment of the requirements for
the award of the degree of

BACHELOR OF TECHNOLOGY
In
MECHANICAL ENGINEERING

Submitted by

KOLLIBOINA VENKAT HARISH	(20AK5A0338)
ALLURU VIJAY KUMAR	(20AK5A0339)
BOYA VIJEYUDU	(20AK5A0340)
GAJULA VINAY	(20AK5A0341)
POLAKAL VISHNU VARDHAN	(20AK5A0342)

Under the Guidance of

Ms. LAKSHMI, M-Tech

Assistant professor



MECHANICAL ENGINEERING

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MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the socially relevant project work entitled, “**DESIGN OF AUTOMATED SEED SOWING MACHINE**”, done by **VENKATA HARISH (20AK5A0338)**, **VIJAY KUMAR (20AK5A0339)**, **VIJEYUDU (20AK5A0340)**, **VINAY KUMAR (20AK5A0341)**, **VISHNU VARDHA (20AK5A0342)**, is being submitted in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.

Signature of the Supervisor

MS. S LAKSHMI, M-Tech

Assistant professor,

Dept. Of MECH, AITS, Tirupati.

Signature of the Head of the Department

MR.M BALAJI, M-Tech (Ph.D.)

Head of department,

Dept. Of MECH, AITS, Tirupati.

Faculty Coordinator

Date:

11-7-22

Place: Tirupati

A Socially Relevant Project Report on
DESIGN OF AUTOMATED SEED SOWING MACHINE

Submitted in partial fulfilment of the requirements for
the award of the degree of

BACHELOR OF TECHNOLOGY
in
MECHANICAL ENGINEERING

Submitted by

KOLLIBOINA VENKAT HARISH	(20AK5A0338)
ALLURU VIJAY KUMAR	(20AK5A0339)
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Under the Guidance of
Ms. LAKSHMI, M.Tech
Assistant professor



MECHANICAL ENGINEERING

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517520

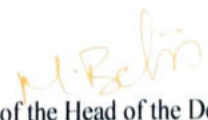
MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the socially relevant project work entitled, "DESIGN OF AUTOMATED SEED SOWING MACHINE", done by VENKATA HARISH (20AK5A0338), VIJAY KUMAR (20AK5A0339), VIJAYUDU (20AK5A0340), VINAY KUMAR (20AK5A0341), VISHNU VARDHA (20AK5A0342), is being submitted in partial fulfilment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.


Signature of the Supervisor
MS. S LAKSHMI, M-Tech
Assistant professor,
Dept. Of MECH, AITS, Tirupati.


Signature of the Head of the Department
MR. M BALAJI, M-Tech (Ph.D.)
Head of department,
Dept. Of MECH, AITS, Tirupati.


Faculty Coordinator

Date: 11-7-22
Place: Tirupati

2-2 ✓

A Socially Relevant Project Report on
**DESIGN OF VERTICAL AXIS
WIND TURBINE**

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

BACHELOR OF TECHNOLOGY
In
MECHANICAL ENGINEERING

Submitted by

KOLLIBOINA VENKAT HARISH	(20AK5A0338)
ALLURU VIJAY KUMAR	(20AK5A0339)
BOYA VIJEYUDU	(20AK5A0340)
GAJULA VINAY	(20AK5A0341)
POLAKAL VISHNU VARDHAN	(20AK5A0342)

Under the Guidance of
Ms.S LAKSHMI, M-Tech
Assistant professor



MECHANICAL ENGINEERING

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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2017-2021

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Tirupati- 517520.

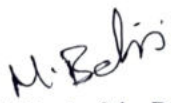
Mechanical Engineering



CERTIFICATE

*This is to certify that the socially relevant project work entitled, “DESIGN OF VERTICAL AXIS WIND TURBINE ”, done by **VENKATAHARISH (20AK5A0338), VIJAYKUMAR(20AK5A0339), VIJEYUDU(20AK5A0340), VINAY(20AK5A0341) VISHNUVARDHAN (20AK5A0342)**, is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.*


Signature of the Supervisor
MS.S LAKSHMI, M-Tech
Assistant professor,
Dept. of MECH,
AITS, Tirupati


Signature of Head of the Department
MR. M BALAJI, M-Tech, (Ph.D)
Assistant professor,
Dept. of MECH,
AITS, Tirupati

Submitted for university examination held on date 08/07/2021


INTERNAL EXAMINER

EXTERNAL EXAMINER

Socially Relevant Project Report on
AGRICULTURE PESTISIDE SPARYING DRONE

Submitted in partial fulfilment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
In
DEPARTMENT OF MECHANICAL ENGINEERING

Submitted by

ABILASH.C
AJITH KUMAR.L
ASHOK GOUD.E
BHANU PRAKASH.M

20AK5A0301
20AK5A0302
20AK5A0303
20AK5A0304

Under the esteemed guidance of
Smt. M. Sruthi.
MECHANICAL ENGINEERING



MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)

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& 12(B) of UGC Act 1956.) Tirupati- 517520.

2020-2021

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the socially relevant project work entitled

“AGRICULTURE PESTISIDE SPARYING DRONE”

done by ABILASH.C(20AK5A0301), AJITH KUMAR.L(20AK5A0302), ASHOK GOUD.E(20AK5A0303), BHANU PRAKASH.M(20AK5A0304) is being submitted in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** to the **Annamacharya Institute of Technology and Science, Tirupati**, from Jawaharlal Nehru Technological University Anantapur, Anantapur during the year 2020-21.

Head of the Department
M.BALAJI, MTech, (Ph.D.)
Assistant Professor
Dept. of MECH,

AITS, Tirupati.

M. Sridharan

Signature of the Supervisor

Date: 25/5/22

Place: Tirupati.

M. Sridharan

Faculty Coordinator

Socially Relevant Project Report on

AGRICULTURE PESTICIDE SPRAYING DRONE

Submitted in partial fulfilment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY

In

DEPARTMENT OF MECHANICAL ENGINEERING

Submitted by

BHANI PRAKASH.M
ABILASH.C
AJITH KUMAR.I.
ASHOK GOUD.E

20AK5A0304
20AK5A0301
20AK5A0302
20AK5A0303

Under the esteemed guidance of
Dr S. ARUL SIR.
MECHANICAL ENGINEERING



MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AUTONOMOUS)

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2020-2021

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

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M. Balaji

Head of the Department

M.BALAJI, MTech, (Ph.D.)

Assistant Professor

Dept. of MECH,

AITS, Tirupati.

Signature of the Supervisor

Faculty Coordinator

Date: 22/09/2021

Place: Tirupati.

ACKNOWLEDGEMENTS

A Socially Relevant Project Report on

Design of Solar Air Dryer

Submitted in partial fulfillment of the requirements

For the award of the degree of

**BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING**

Submitted by

B.JAYASIMHAREDDY (20AK5A0314)

L.LOKESH (20AK5A0315)

P.MADHUSUDHAN (20AK5A0316)

K.MANIKANTA (20AK5A0317)

Under the esteemed guidance of

S.NISHANTHI, M.Tech

ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Venkatapuram (V), Karakambadi (Po), Renigunta (M), Tirupati - 517520, A.P.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTAPURAMU.

2021-2022

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)

Venkatapuram (V), Karakambadi (Po), Renigunta (M), Tirupati - 517520, A.P.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the socially relevant project work entitled, “ **Design of Solar Air Dryer**”, done by B.JAYASIMHAREDDY (20AK5A0314), L.LOKESH (20AK5A0315), P.MADHUSUDAN (20AK5A0316), K.MANIKANTA (20AK5A0317) is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING** to the **Annamacharya Institute of Technology and Science, Tirupati**, from Jawaharlal Nehru Technological University Anantapur, Anantapuramu during the year 2020-21.


Head of the Department
M.BALAJI, M.Tech, (Ph.D)
Assistant Professor
Dept. of MECH,
AITS, Tirupati.


Signature of the Supervisor

Date: 12-09-2022

Place: Tirupathi.


Faculty Coordinator

A Socially Relevant Project Report

On

Automatic Railway Gate Controller

Submitted in partial fulfillment of the requirements

For the award of the degree of

BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING

Submitted by

B.JAYASIMHAREDDY (20AK5A0314)

L.LOKESH (20AK5A0315)

P.MADHUSUDHAN (20AK5A0316)

K.MANIKANTA (20AK5A0317)

Under the esteemed guidance of

S.NISHANTHI, M.Tech

ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Venkatapuram (V), Karakambadi (Po), Renigunta (M), Tirupati - 517520, A.P.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTAPURAMU.

2020-2021

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Venkatapuram (V), Karakambadi (Po), Renigunta (M), Tirupati - 517520, A.P.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the socially relevant project work entitled, “ Automatic Railway Gate Controller”, done by B.JAYASIMHAREDDY (20AK5A0314), L.LOKESH (20AK5A0315), P.MADHUSUDAN (20AK5A0316), K.MANIKANTA (20AK5A0317) is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** to the **Annamacharya Institute of Technology and Science, Tirupati**, from Jawaharlal Nehru Technological University Anantapur, Anantapuramu during the year 2020-21.

M. Balaji
Head of the Department
M.BALAJI, M.Tech, (Ph.D).
Assistant Professor
Dept. of MECH,
AITS, Tirupati.

[Signature]
Signature of the Supervisor

Date: 28-09-2021

Place: Tirupathi.

[Signature]
Faculty Coordinator

A
Socially Relevant Project Report

on

**MINI SOLAR POWERED
CAR**

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

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted by

MAVILLA HARSHA VARDHAN (19AK1A0313)

RAYALAPETA HEMASAI (19AK1A0314)

YELLA SHIVANANDHA (19AK1A0315)

TANAPPAGARI JAGADEESH (19AK1A0316)

Under the esteemed guidance of

MS.S.NISHANTHI M.Tech

ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

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2020-2021

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Tirupati - 517520.

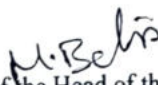
MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the socially relevant project work entitled, "MINI SOLAR POWERED CAR", done by MAVILLA HARSHA VARDHAN (19AK1A0313), RAYALAPETA HEMASAI (19AK1A0314), YELLA SHIVANANDHA (19AK1A0315), TANAPPAGARI JAGADESH (19AK1A0316) is being submitted in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING to the Annamacharya Institute of Technology and Science, Tirupati, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.


Signature of the Supervisor
MS.S.NISHANTHI M.Tech
Assistant Professor
Mechanical Engineering
Department.


Signature of the Head of the Department
SRI.M.BALAJI M.Tech., Ph.d.,
Assistant Professor
Mechanical Engineering Department.

DATE: 21-09-2021


INTERNAL EXAMINER

A Socially Relevant Project Report on

AUTOMOBILE ACCIDENTS CONTROL SENSOR SYSTEM

Submitted in partial fulfilment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY
in
MECHANICAL ENGINEERING
of
JNTU Anantapur, Ananthapuramu

19AK1A0301	S. Abhiram
19AK1A0302	K. Akhilesh Varma
19AK1A0303	K. Arundeeep
19AK1A0304	K. Badrinath

Under the esteemed guidance of

Mr. PC. PRAKASH M.Tech
ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
TIRUPATI – 517 520

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA,
Ananthapuramu, Accredited by NBA, NAAC)

APRIL 2020-2021



Estd : 2007

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapuramu)

Recognized under sections 2(f) & 12(B) of UGC Act, 1956.

Venkatapuram (V), Karakambadi Road, Tirupati - 517520, Chittoor (Dt.), A.P

DEPARTMENT OF MECHANICAL ENGINEERING

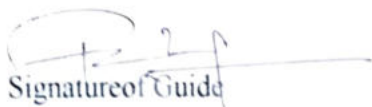
CERTIFICATE

This is to certify that the project work entitled "**AUTOMOBILE ACCIDENTS CONTROL SENSOR SYSTEM**" is the record of bonafide work done by

19AK1A0301	S.Abhiram
19AK1A0302	K.AkhileshVarma
19AK1A0303	K.Arundeeep
19AK1A0304	K.Badrinath

and is being submitted to Jawaharlal Nehru Technological University Anantapur, Ananthapuramu, in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING** during the academic year 2020-2021.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.


Signature of Guide

Mr. PC. PRAKASH

Assistant Professor

Mechanical Engineering Department
Annamacharya Institute of Technology
and Sciences,
Tirupati - 517520, Chittoor (Dt.) - A.P


Signature of HOD

Sri. M. BALAJI

Assistant Professor

Mechanical Engineering Department
Annamacharya Institute of Technology
and Sciences,
Tirupati - 517 520, Chittoor (Dt.) - A.P

Submitted for university examination held on date 3/09/2021

INTERNAL EXAMINER


EXTERNAL EXAMINER

A Socially Relevant Project Report of

REGENERATIVE BRAKING SYSTEM IN ELECTRICAL VEHICLES

Submitted in partial fulfilment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

of

JNTU Anantapur, Ananthapuramu

by

19AK1A0301

S. Abhiram

19AK1A0302

K. Akhilesh Varma

19AK1A0303

K. Arundeeep

19AK1A0304

K. Badrinath

Under the esteemed guidance of

Mr. PC. PRAKASH M.Tech

ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
TIRUPATI – 517 520

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA,
Ananthapuramu, Accredited by NBA, NAAC)

APRIL 2020-2021



Estd : 2007

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapuramu)
Recognized under sections 2(f) & 12(B) of UGC Act, 1956.
Venkatapuram (V), Karakambadi Road, Tirupati - 517520, Chittoor (Dt.), A.P

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "**REGENERATIVE BRAKING SYSTEM IN ELECTRICAL VEHICLES**" is the record of bona fide work done by

19AK1A0301	S. Abhiram
19AK1A0302	K. Akhilesh Varma
19AK1A0303	K. Arundeeep
19AK1A0304	K. Badrinath

and is being submitted to Jawaharlal Nehru Technological University Anantapur, Ananthapuramu, in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING** during the academic year 2022-2023.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

Signature of Guide

Mr. PC. PRAKASH
Assistant Professor
Mechanical Engineering Department
Annamacharya Institute of Technology
and Sciences,
Tirupati - 517520, Chittoor (Dt.) - A.P

Signature of HOD

Sri. M. BALAJI
Assistant Professor
Mechanical Engineering Department
Annamacharya Institute of Technology
and Sciences,
Tirupati - 517 520, Chittoor (Dt.) - A.P

Submitted for university examination held on date

INTERNAL EXAMINER

EXTERNAL EXAMINER

A Socially Relevant Project Report on

POWER GENERATION BY HORIZONTAL AXIS MINI WIND TURBINE

*Submitted in partial fulfilment of the requirement for the award of the
degree of*

BACHELOR OF TECHNOLOGY
in
MECHANICAL ENGINEERING
of
JNTU Anantapur, Ananthapuramu

by

20AKSA0330	K.SAI GANESH
20AKSA0331	CH.SANDEEP
20AKSA0332	U.SASI
20AKSA0333	K.SATHISH

Under the esteemed guidance of

Mr. PC.PRAKASH M.Tech

ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
TIRUPATI - 517 520

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA,
Ananthapuramu, Accredited by NBA, NAAC)

APRIL 2020-2021



ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapuramu)
Recognized under sections 2(f) & 12(B) of UGC Act, 1986.
Venkatapuram (V), Karakambadi Road, Tirupati - 517520, Chittoor (Dt), A.P

DEPARTMENT OF MECHANICAL ENGINEERING


BONAFIDE CERTIFICATE

This is to certify that the project work entitled "**POWER GENERATION BY HORIZONTAL AXIS MINI WIND TURBINE**" is the record of bonafide work done by

20AK5A0330	K.SAIGANESH
20AK5A0331	CH.SANDEEP
20AK5A0332	USASI
20AK5A0333	K.SATHISH

and is being submitted to Jawaharlal Nehru Technological University Anantapur, Anathapuramu, in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING** during the academic year 2020-2021.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.



Signature of Guide


Mr. PC. PRAKASH M.Tech
Assistant Professor
Mechanical Engineering Department
Annamacharya Institute of Technology
and Sciences,
Tirupati - 517520, Chittoor (Dt) - A.P


Signature of HOD

Sri. M. BALAJI M.Tech, Ph.D
Assistant Professor
Mechanical Engineering Department
Annamacharya Institute of Technology
and Sciences,
Tirupati - 517 520, Chittoor (Dt) - A.P

Submitted for university examination held on date **8-7-21**


INTERNAL EXAMINER


EXTERNAL EXAMINER



3-2 ✓

A

Socially Relevant Project Report
on

Automatic Braking System

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

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted by

MAVILLA HARSHA VARDHAN	(19AK1A0313)
RAYALAPETA HEMASAI	(19AK1A0314)
YELLA SHIVANANDHA	(19AK1A0315)
TANAPPAGARI JAGADEESH	(19AK1A0316)

Under the esteemed guidance of

MS.S.NISHANTHI M.Tech

ASSISTANT PROFESSOR



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapuramu. Two B. Tech Programs are accredited by NBA, New Delhi. Accredited by NAAC With 'A' Grade, Bangalore. Accredited by Institution of Engineers (India), KOLKATA. A- grade awarded by AP Knowledge Mission. Recognized under sections 2(f) & 12(B) of UGC Act 1956.) Tirupati - 517520.

2020-2021

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapuramu. Two B. Tech Programs (CSE & ECE) are accredited by NBA, New Delhi. Accredited by NAAC with 'A' Grade, Bangalore. Accredited by Institution of Engineers (India), KOLKATA. A-grade awarded by AP Knowledge Mission. Recognized under sections 2(f) & 12(B) of UGC Act 1956.)


Tirupati - 517520.


MECHANICAL ENGINEERING



CERTIFICATE

*This is to certify that the socially relevant project work entitled, "**MINI SOLAR POWERED CAR**", done by **MAVILLA HARSHA VARDHAN (19AK1A0313)**, **RAYALAPETA HEMASAI (19AK1A0314)**, **YELLA SHIVANANDHA (19AK1A0315)**, **TANAPPAGARI JAGADESH (19AK1A0316)** is being submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the **Annamacharya Institute of Technology and Science, Tirupati**, is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this socially relevant project report have not been submitted to any other university or institute for the award of any degree or diploma.*


Signature of the Supervisor
MS.S.NISHANTHI M.Tech
Assistant Professor
Mechanical Engineering
Department.


Signature of the Head of the Department
SRL.M.BALAJI M.Tech..(Ph.d)
Assistant Professor
Mechanical Engineering Department.

DATE:


INTERNAL EXAMINER



CERTIFICATE OF COMPLETION

January 12, 2023

Goutham Pasupulati

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Goutham Pasupulati has completed the following
Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super badge - Process Automation Specialist

Certificate ID: STSFVIPAD2022-48968 | Verify this certificate @ https://smartinternz.com/interntships/salesforce_certificates/76922c89884d1b9a048be7fb505f2eb5

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO),
NE AT Cell, AICTE



In Partnership With



CERTIFICATE OF COMPLETION

January 12, 2023

Maddela Bharath

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Maddela Bharath has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Processes Automation
Types Of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID SISFVIPAD2022-48964 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/e6202b0662093fb1f302e1d21c1fce3



Shri Buddha Chandraseker

Chief Coordinating Officer (CCO)
NEAT Cell AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



Virtual Internship Award



CERTIFICATE OF COMPLETION

January 11, 2023

Kola Badrinath

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Kola Badrinath has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-48808 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/0d8f919297a24c7c5223d403735715d7

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO),
NEAT Cell-AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



CERTIFICATE OF COMPLETION

January 13, 2023

Yella Shivananda

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (August-October 2022), Yella Shivananda has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISVIPAD2022-49038 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates: 243e8373034964ab17c8a8e57d4df724

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO),
NE AT Cell, AICTE

Prof K. Hemachandra Reddy

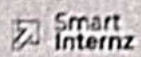
Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



SMART BRIDGE



CERTIFICATE OF COMPLETION

January 12, 2023

Pasam. R. Venkat Hemanth

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Pasam. R. Venkat Hemanth has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SFSVIPAD2022-48994 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/8468b3b1e56e707e8062b42a83b1fe9d

Shri Buddha Chandraseker

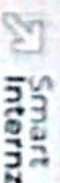
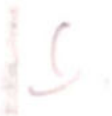
Chief Coordinating Officer (CCO),
NIT Cell, AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarendra Katkam

Founder & CEO, The Smart Bridge &
SmartInternz



CERTIFICATE OF COMPLETION

January 11, 2023

Suraparaju Nikhil Varma

**Salesforce Administrator Virtual
Internship**

During the 8 Weeks period of Virtual Internship (**August-
October 2022**), Suraparaju Nikhil Varma has completed the
following Salesforce Trailhead modules

Trailhead Modules Completed:
Organizational Setup
Managing Users in Sales Cloud
Service Console: Process Automation
Flow Builder
Security: Reports & Dashboards
Data Management

Suraparaju Nikhil Varma
Salesforce Administrator
Suraparaju Nikhil Varma
Suraparaju Nikhil Varma
Suraparaju Nikhil Varma

Certificate ID: SISFV1PAD2022-48800 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/1b08dce51a8c1681bd7f4dbdc9717b

Shri Buddha Chandraseker

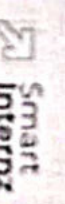
Chief Coordinating Officer/COO
NEAT Cell AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarendra Katkam

Founder & CEO, TheSmartInternz
SmartInternz



CERTIFICATE OF COMPLETION

January 11, 2023

Suraparaju Nikhil Varma

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Suraparaju Nikhil Varma has completed the following Salesforce Trailhead modules

- ✓ Salesforce Fundamentals
- ✓ Salesforce Setup
- ✓ Administering a Sales Cloud
- ✓ Salesforce Customer Success Automation
- ✓ Service Console
- ✓ Security, Security & Dashboards
- ✓ CRM Management
- ✓ Super Badger Security Specialist
- ✓ Super Badger Platform Administrator: Networking
- ✓ Super Badger Light Version Security & Dashboards
- ✓ Super Badger

Certificate ID SISFVIPAD2022-43800 | Verify this certificate @ https://smartinternz.com/in/terms/salesforce_certificate/1b08dce51a8c1b8d74b88cc9717b

Shri Buddha Chandraseker

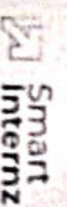
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge to
SmartInternz



CERTIFICATE OF COMPLETION

January 12, 2023

Vijay Kumar Alluru

**Salesforce Administrator Virtual
Internship**

During the 8 Weeks period of Virtual Internship (**August-October 2022**), vijay kumar alluru has completed the following Salesforce Trainhead modules:

Introduction of Fundamentals of
to Salesforce Virtual Internship

Introduction to Salesforce Cloud

Getting started with Salesforce Administrator

Introduction to Salesforce

Getting started with Salesforce

Getting started with Salesforce

Getting started with Salesforce

Getting started with Salesforce

Getting started with Salesforce

Certificate ID: 21stVFAT2022-40031 Verify this certificate @ <https://smartinternz.com/in>
for details/salesforce_certificate_id/21stVFAT2022-40031

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO)
NEAT Cell AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Annarender Katkam

Founder to CEO, TheSmartBridge to
SmartInternz



1



January 11, 2023

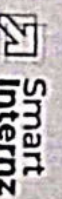
Salesforce Administrator Virtual Internship

Sri Buddha Chandrasekar

Prof K. Hemachandra Reddy

Mr Anandender Kalkam

Certificate ID: SP5FVPAE2022-48816 | Verify this certificate at <https://smartcardz.com/verify.php?certificate=SP5FVPAE2022-48816>



CERTIFICATE OF COMPLETION

January 11, 2023

Kola Badrinath

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Kola Badrinath has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-48808 | Verify this certificate @ <https://smartinternz.com/verify/certificates/0d8f919297a24c7c5223d403735715d7>

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



Smart
Internz

CERTIFICATE OF COMPLETION

January 11, 2023

JAYANTH SAI VARMA

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), JAYANTH SAI VARMA has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-48805 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/ef77f8bcd954beb8076ad8b510aed09

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 07, 2022

Rayalapeta HemaSai

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-September 2022**), Rayalapeta HemaSai has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types of Flows & Security
Apex Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFVIPAD2022-18803 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/1008fbb2c94f286908e8d9db51540119

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO),
NEAT Cell - AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 02, 2022

NALLAKUKKALA SAI GANESH

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), NALLAKUKKALA SAI GANESH has completed the following Salesforce Trailhead modules

Trailhead Modules Completed:
Organizational Setup
Emailing & Sales Cloud
Security, User & Profiles Automation
Field & Tables
Security, Profiles & Roles
Data Management

Super Badges Completed:
Super Badge - Salesforce Administrator Specialist
Super Badge - Lightning Administrator Specialist
Super Badge - Lightning to Experience Migration & Customization Specialist

Certificate ID: SISFVIPAD2022-16946 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/1f2013e3dcfa352ca993cc25cc334c10

Shri Buddha Chandraseker

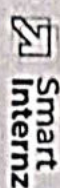
Chief Coordinating Officer - CDD HEAD
CDD ACTS

Mr Amarender Katkam

Founder & CEO TheSmartDesign &
Internship



In Partnership With



CERTIFICATE OF COMPLETION

November 08, 2022

T Nanda Vardhan

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**July-September 2022**), T Nanda Vardhan has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVFPAD2022-19514 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/4195181cf025e16da1e3e74e1ba0cf5a

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 10, 2022

Kakarla Sai Ganesh

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Kakarla Sai Ganesh has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-21753 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/3030e1a0347fb30e7ad705f00bf33a14

Shri Buddha Chandrasekar

Chief Coordinating Officer (CCO),
HEAT Cell-AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

December 20, 2022

Narendra Kondakinda


Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Narendra Kondakinda has completed the following Salesforce Trailhead modules


Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-43828 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/e0483ae0e05b001e502ca117ecd16eb0


Shri Buddha Chandraseker

Chief Coordinating Officer (CCO)
NEAT Coll-AICTE


Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education


Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



Smart
Internz

CERTIFICATE OF COMPLETION

November 08, 2022

Bandi Prudhvi

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Bandi prudhvi has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-19571 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/7a8f692cebd289e81aebd39ecdec945

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO)
NEAT Cell-AICTE

Mr Amarender Katkam

Founder & CEO, The SmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 11, 2022

Pachipala Purushotham Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-
September 2022), Pachipala Purushotham has completed the
following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards
Specialist

Certificate ID: SISFVIPAD2022-22255 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/96e76cc974cf7bdcc09b86b1ad3eee35

Shri Buddha Chandraseker

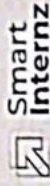
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

December 02, 2022

SELVAKUDALINGAM YOGABALAJI

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (August-October 2022), SELVAKUDALINGAM YOGABALAJI has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-37108 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/c96af0661b844eacad759c2acf9e1486

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 24, 2022

Arundeeep Kuraba

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Arundeeep Kuraba has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-31004 | Verify this certificate @ https://smartinternz.com/interhips/salesforce_certificates/21964698b7df1c6fa0b6fc89697f5293

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO),
NEAT Cell-AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 24, 2022

Arundeeep Kuraba

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Arundeeep Kuraba has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-31004 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/21964698b7df1cefa6b6fc89697f5293

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO),
NEAT Cell-AICTE

Prof K. Hemachandra Reddy

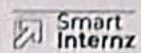
Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 15, 2022

EDIGA ASHOK GOUD


Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (August-October 2022), EDIGA ASHOK GOUD has completed the following Salesforce Trailhead modules


Salesforce Fundamentals
Organizational Setup
Relationship to Sales Cloud
Service Cloud & Process Automation
Flow to Chatbot
Security Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-24260 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/721cabf170cdf0cf00ac51b1070bc54


Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE


Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education


Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



CERTIFICATE OF COMPLETION

November 29, 2022

Konduru Akhilesh Varma

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Konduru Akhilesh Varma has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: 515FVIPAD2022-34118 | Verify this certificate @ http://smartinternz.com/internships/salesforce_certificates/b00710d0f6c4234e6be10f63d7f0f6

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO)
NEAT Cell-AICTE

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 08, 2022

Manikanta Karakambadi

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Manikanta karakambadi has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Edge - Security Specialist
Super Edge - Business Administration Specialist
Super Edge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-19031 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/e57d5fa2d518200b6e8115f6161768e1

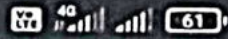
Shri Buddha Chandraseker

Chief Coordinating Officer (CCO)
NEAT Cell-AICTE

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz

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smartinternz.com/int



CERTIFICATE OF COMPLETION

July 20, 2022

Kollibolna Venkata Harish

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (April-June 2022), Kollibolna Venkata Harish has completed the following Salesforce Trailhead modules

Trailhead Learning Path: Salesforce Administrator
Trailhead Learning Path: Salesforce Administrator
Trailhead Learning Path: Salesforce Administrator
Trailhead Learning Path: Salesforce Administrator
Trailhead Learning Path: Salesforce Administrator
Trailhead Learning Path: Salesforce Administrator

Super Badge: Salesforce Administrator
Super Badge: Salesforce Administrator
Super Badge: Salesforce Administrator
Super Badge: Salesforce Administrator

Certificate ID: 525FVPA2022-10138 | Verify this certificate @ https://smartinternz.com:443/verify/salesforce_certificates/291d8e18533ba7e15b0a0b7a88aa204e

Shri Buddha Chandraseker

Chief Operating Officer (COO)
HRT at GSK-BD-19

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge & SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 07, 2022

Alluru Vijay Kumar

**Salesforce Developer Virtual
Internship**

During the 8 Weeks period of Virtual Internship (August-October 2022), Alluru Vijay Kumar has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFVIPAD2022-18755 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/a50f4ea03581f27aae82ea135f1b6fb4

Shri Buddha Chandrasefier

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarender Katfiam

Founder & CEO, TheSmartBridge &
SmartInternz

CAMPALIN

CERTIFICATE

OF APPRECIATION

This certificate is presented to

Hemasai

Was an Outstanding Performer in the Field of
Electrical Vehicles During the tenure of the Internship the
Candidate successfully completed Projects without any mentor
assistance as part of their learning and proved their meritorious
capability in the field.



Human Resource Manager



Director

Certificate ID: CAMP1269

CAMPALIN

CERTIFICATE

OF APPRECIATION

This certificate is presented to

Hemasai

Was an Outstanding Performer in the Field of
Electrical Vehicles During the term of the Internship the
Candidate successfully completed Projects without any mentor
assistance as part of their learning and proved their meritorious
capability in the field.



Human Resource Manager



Director

Certificate ID: CAMP1269

CAMPALIN

CERTIFICATE

OF INTERNSHIP

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Hemasai

has successfully completed **Electrical Vehicles** in association with Campalin
from 01-06-2022 to 30-07-2022

4-11-2022

DATE



Kunal

SIGNATURE

Certificate ID: CAMP1269



In Partnership With



Smart
Internz

CERTIFICATE OF COMPLETION

December 08, 2022

Bose Pothugunta

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Bose Pothugunta has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-40956 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/b901ad8e8c03a6f22f40b7de9a5041ba

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 08, 2022

Bandi Prudhvi

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Bandi prudhvi has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-19571 | Verify this certificate @
https://smartintrnz.com/internships/salesforce_certificates/7a8f092cebd289e81aebd39ecdec945

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO)
NEAT Cell-AICTE

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

July 15, 2022

Sandeep Chalamcharla

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (April-June 2022), Sandeep Chalamcharla has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

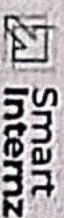
Certificate ID: SISFVIPAD2022-9862 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/ddbc86dc4b2fbfd8a62e12096227e068

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO)
NEAT Cell-AICTE

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



CERTIFICATE OF COMPLETION

December 09, 2022

Gajula Vinay.

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Gajula Vinay has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API
Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFV/PAD2022-41650 | Verify this certificate @ https://smarternz.com/internships/salesforce_certificates/328f8f89f412408ecfd81b97a1f9c08

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Prof K. Hemachandra Reddy

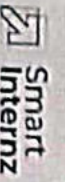
Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 08, 2022

Aeturi Shashank Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**July-September 2022**), aeturi shashank has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
CRM Introduction Self-IP
Introduction to Sales Cloud
Service Cloud to Process Automation
Flow to Operator
Security: Passwords & Dashboards
Data Management

Sales: Basics - Security Specialist
Sales: Basics - Business Administration Specialist
Sales: Basics - Lightning Experience Reports & Dashboards
Specialist

Certificate ID: S16FV1P6U2022-18036 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificate/cd7c61af36c7e16733b04f881a191403a

Shri Buddha Chandraseker

Chief Coordinating Off. cum COO,
NEAT Cell-AICTE

Mr Amarendra Kulkarni

Founder & CEO, TheSmartBridge &
SmartInternz



8- Internship 2022



Smart
Internz

CERTIFICATE OF COMPLETION

December 08, 2022

BADURU MANOHAR ACHARI

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), **BADURU MANOHAR ACHARI** has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organization Setup
Relationship & Process Automation
Types of Flows & Security
Apex: Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge: Apex Specialist
Super badge: Process Automation Specialist

Certificate ID: SISFVIFAD2022-40054 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/8afad0d0543aa7946ea3f768a3b88cd

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO),
NEAT Cell, ACTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarendra Katkam

Founder & CEO, The Smart Bridge &
Smart Internz

Certificate of Completion

This is to certify that

PRABHAKULA VEERA PURNA ESWARA SAI

has successfully completed Virtual Internship program under



Indrani Choudhury
Chief Learning Officer, Microsoft India

**FUTURE
READY
TALENT**

Affiliate Partners

GitHub   



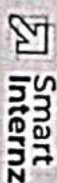
Kiru Seth
CEO, IT ITeS SSC NASSCOM

Certificate ID: 6bae1130-5b2a-4b01-8b63-f83526a87894

Issue Date: 03-November-2022



In Partnership With



CERTIFICATE OF COMPLETION

November 02, 2022

Paidikalva Chamanth

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Paidikalva Chamanth has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationships to Sales Cloud
Service Cloud to Process Automation
Flow to Chatter
Security Reports to Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports to Dashboards Specialist

Certificate ID: SISFV/PAD2022-16938 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/7653526f658a32e5452294826783a54b

Shri Buddha Chandraseker

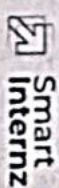
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

December 19, 2022

Saisankar Ganimineni Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (October-December 2022), saisanekar ganimineni has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards
Specialist

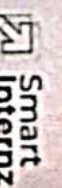
Certificate ID: SISFVIPAD2022-43327 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/7473ee85ddfe8e6ff4b309d905a4ddc

Shri Buddha Chandraseker
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarender Katkam
Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

December 19, 2022

Saisankar Ganimineni Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (October-
December 2022), Saisankar Ganimineni has completed the
following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship to Sales Cloud
Service Cloud to Process Automation
Flow to Chatter
Security, Reports to Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports to Dashboards
Specialist

Certificate ID: SISFVIPAD2022-43327 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/7473ee855dd8e6f4b309d905a4ddc

Shri Buddha Chandraseker

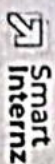
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam

Founder to CEO, TheSmartBridge to
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 07, 2022

Cheerla Abilash Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Cheerla Abilash has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationships & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Learning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-18707 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/e0183da514b1168b71baec76e8d17cb

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO)
NFAT Cell-AICTE

Mr Amarendra Katkam

Founder & CEO TheSmartBridge
SmartInternz



In Partnership With

Smart
Internz

CERTIFICATE OF COMPLETION

November 02, 2022

BOYA VIJEYUDU

**Salesforce Administrator Virtual
Internship**

During the 8 Weeks period of Virtual Internship (**August-October 2022**), BOYA VIJEYUDU has completed the following Salesforce Trailhead modules

Salesforce Fundamentals

Organization A Setup

Platform Security Cloud

Service Cloud to Process Automation

Flow Builder

Security Reports & Dashboards

Data Management

Super Badge - Security Specialist

Super Badge - Business Administration Specialist

Super Badge - Lightning Experience Reports & Dashboards

Specialist

Certificate ID: S1SFV1PAD02022-17300 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/0d80b1c2a094e27612b422475d81a5be

Shri Buddha Chandraseker

Chief Coordinating Officer/COO,
NEAT Cell-AICTE

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge to
SmartInternz



CERTIFICATE OF COMPLETION

November 13, 2023

Sagar Krishnareddy

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2023), Sagar Krishnareddy has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organization Setup
Data Management & Data Sync
Security & Access & Profiles Automation
Flow & Automation
Security Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: 812FVPAH0029 94810 | Verify this certificate @ <https://smartinterns.com/internships/salesforce-certificates/e901000445d10207d06d150ec6b70>

Shri Rudra Chandrasekar

Chief Executive Officer (CEO)
Smart Interns

Mr. Anandhar Patnam

Founder & CEO, The Smart Interns
Smart Interns



CERTIFICATE OF COMPLETION

October 28, 2022

Cherreddy Narendra

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (August-October 2022), cherreddy narendra has completed the following Salesforce Trailhead modules

- Salesforce Lightning
- Organization Setup
- Relationship & Privileges Automation
- Types of Roles & Security
- Access Tracking & Debugging
- VS Code Setup & CLI Setup
- Lightning Web Components (LWC) & API
- Super Gadget - Apex Specialist
- Super Gadget - Privileges Automation Specialist

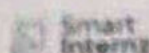
Certificate ID: SISFVIPA02022-15177 | Verify this certificate @ https://sinarinternz.com/internships/salesforce_certificate/4665976b64f63389fe63bed55f9ccbf

Shri Buddha Chandraseker

Chief Coordinating Officer-CODS
NEAT C&I-ACCTE

Mr Amarendra Katkam

Founder & CEO TheSinarInternz
SinarInternz



CERTIFICATE OF COMPLETION

November 15, 2022

K SATHISH

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), K SATHISH has completed the following Salesforce Trailhead modules:

Trailhead Modules Completed:
Introduction to Salesforce
Introduction to Salesforce Admin
Introduction to Salesforce Security
Introduction to Salesforce Integration
Introduction to Salesforce Reporting
Introduction to Salesforce Automation
Introduction to Salesforce Analytics
Introduction to Salesforce AI
Introduction to Salesforce Mobile
Introduction to Salesforce Partners
Introduction to Salesforce Ecosystem
Introduction to Salesforce Clouds
Introduction to Salesforce Industries
Introduction to Salesforce Nonprofits
Introduction to Salesforce Government
Introduction to Salesforce Healthcare
Introduction to Salesforce Financial Services
Introduction to Salesforce Retail
Introduction to Salesforce Travel
Introduction to Salesforce Education
Introduction to Salesforce Public Sector
Introduction to Salesforce Nonprofits
Introduction to Salesforce Government
Introduction to Salesforce Healthcare
Introduction to Salesforce Financial Services
Introduction to Salesforce Retail
Introduction to Salesforce Travel
Introduction to Salesforce Education
Introduction to Salesforce Public Sector

Certificate ID: 525FV1PAD2022-24534 | Verify this certificate @
<https://smartinternz.com/internships/salesforce/certificates/525f525f11a980f7dec882d2c8c0fbaa>

Shri Buddha Chandraseker

Chief Executive Officer, Smart Internz
Chief Executive Officer

Mr Amarendra Kulkarni

Founder & CEO, Smart Internz
Founder & CEO



In Partnership With



CERTIFICATE OF COMPLETION

November 02, 2022

Jabivulla Shaik

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**July-September 2022**), Jabivulla Shaik has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex - Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFVIPAD2022-16942 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/74d3b2328adadb5c9740b050d0a333c

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO),
NEAT Cell-AICTE

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

October 27, 2022

PENUMALLI MADHUSUDHAN

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), PENUMALLI MADHUSUDHAN has completed the following Salesforce Trailhead modules:

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types of Roles & Security
Apex - Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISP-VIPAD2022-14990 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/1b59164354d7e455f270211aee57171f

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO), NEAT
Cell-AICTE

Mr Anarender Katkam

Founder & CEO, TheSmartBridge &
Smart Internz



In Partnership With



CERTIFICATE OF COMPLETION

December 08, 2022

Marri Sunil

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Marri Sunil has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship in Sales Cloud
Service Cloud & Process Automation
Flow in Chatter
Security Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-40852 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/7482d065e0c3150079b7ea0423fd41fa

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO),
NEAT Cell - AICTE

Mr Amarender Katkam

Founder & CEO, The SmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 10, 2022

Ravindra R

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**July-September 2022**), Ravindra R has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: S(SFV)PAD2022-21796 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/07273dd0571b02c3ee6817638418f839

Shri Buddha Chandraseker

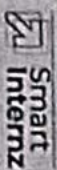
Chief Coordinating Officer (CCO),
NEAT Cell AICTE

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 07, 2022

GUTURU MANJUNATH Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), GUTURU MANJUNATH has completed the following Salesforce Trailhead modules

- Salesforce for Beginners
- Organization Setup
- Introduction to Salesforce Automation
- Types of Flows and Security
- Apex Test Org & Coding
- VS Code and GitHub Setup
- Lightning Web Components (LWC) & API

Sudor Badge - Apex Specialist
Sudor Badge - Process Automation Specialist

Certificate ID: SLSFVIPAD2022-18757 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificate/ebdcde71b4651b507ceadfb2347a9d98f

Shri Buddha Chandraseker

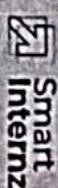
Chief Coordinating Officer (CCO)
NEAT Cell-AICTE

Mr Amarendra Kalkam

Founder & CEO, TheSmartBridge &
SmartInternz



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CERTIFICATE OF COMPLETION

November 15, 2022

Polakal Vishnu Vardhan Kumar Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Polakal Vishnu vardhan kumar has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFVIPAD2022-24514 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/e9c113f42d92dc3d6f18596cb04e307f

Shri Buddha Chandraseker
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam
Founder & CEO, TheSmartBridge &
SmartInternz



CERTIFICATE OF COMPLETION

November 03, 2022

NALLAMARU BADRINATH

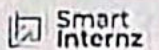
Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (August-October 2022), NALLAMARU BADRINATH has completed the following Salesforce Trailhead modules

Shri Buddha Chandraseker

Mr Amarendra Katkam

Certificate ID: SRFVIPAD2022-17668 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/e0d1b5ce9153e18740cf12ad288b5b53



CERTIFICATE OF COMPLETION

November 11, 2022

Surisetty Abhiram

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), **Surisetty Abhiram** has completed the following Salesforce Trailhead modules

1. Salesforce Trailhead
2. Salesforce Trailhead
3. Salesforce Trailhead
4. Salesforce Trailhead
5. Salesforce Trailhead
6. Salesforce Trailhead
7. Salesforce Trailhead
8. Salesforce Trailhead

9. Salesforce Trailhead
10. Salesforce Trailhead

Certificate ID: 515FVFPAD2022-22107 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/97fu357429c6477b578a8d47f2fc441d

Shri Buddha Chandraseker

Chief Executive Officer - CEO
At Smart Internz

Mr Amarendra Katkam

Chief Executive Officer - CEO
At Smart Internz



CERTIFICATE OF COMPLETION

November 15, 2022

Bhanu Prakash

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Bhanu Prakash has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security Reports & Dashboards
Data Management
Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-24350 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/cb38783404b5d38d614758acc5ac84a

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



CERTIFICATE OF COMPLETION

November 24, 2022

P.Dilli Prasad

**Salesforce Developer Virtual
Internship**

During the 8 Weeks period of Virtual Internship (August-
October 2022), P.Dilli Prasad has completed the following
Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFVIPAD2022-30863 | Verify this certificate @ http://smartinternz.com/internships/salesforce_certificates/443615ca6b28402752eb646cc6f51ae7

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Coll-AICTE

Prof K. Hemachandra Reddy

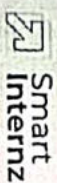
Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



an internship with



CERTIFICATE OF COMPLETION

December 01, 2022

Konduru Kiran Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Konduru Kiran has completed the following Salesforce Trailhead modules

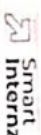
Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFVFPAD2022-36231 | Verify this certificate @ http://smarinternz.com/internships/salesforce_certificates/c2c8c7c0a5741d751916baa084ca1a8

Shri Buddha Chandraseker
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarender Katkam
Founder & CEO, TheSmartBridge &
SmartInternz



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November 07, 2022

Manoj Kumar Koutharam

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Manoj Kumar Koutharam has completed the following Salesforce Trailhead modules

- 1. Salesforce Fundamentals
- 2. Salesforce Setup
- 3. Salesforce Cloud
- 4. Salesforce Automation
- 5. Salesforce Reporting
- 6. Salesforce Security
- 7. Salesforce Integration

Certificate ID: SISFVPA02022-18756 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/e1802a59a5728e21170530bcb17e14

Signature

Shri Buddha Chandraseker

Chief Executive Officer (CEO)
Smart Internz

Signature

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



CERTIFICATE OF COMPLETION

November 04, 2022

VASU KUDUMU

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), VASU KUDUMU has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationships & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security Reports & Dashboards
Data Management
Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards
Specialist

Certificate ID: SISFVMPAD2022-17818 | Verify this certificate @
https://smartinternz.com/internships/verifysalesforce_certificates/b4a3c653ae58ddb2b98bd005361b0620



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Chief Coordinating Officer(CCO)
NEAT Cell-AICTE



Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



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November 07, 2022

Rachagundala Pavan Kumar Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Rachagundala Pavan Kumar has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationships & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISVIPAD2022-18730 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/09812dd79cd296bad7b41c2b68a3b

Shri Buddha Chandraseker

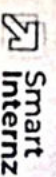
Chief Coordinating Officer(CCO)
NEAT Cell-ALCTE

Mr Amarendra Katkam

Founder & CEO of SmartBridge &
SmartInternz



Information Web



CERTIFICATE OF COMPLETION

November 22, 2022

Nandisetty Narasimha Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Nandisetty Narasimha has completed the following
Salesforce Trailhead modules

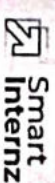
Salesforce Fundamentals
Organizational Setup
Relationship to Sales Cloud
Service Cloud to Process Automation
Flow to Chatter
Security, Reports to Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports to Dashboards
Specialist

Certificate ID: SISVIPAD2022-20375 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/9625fcdcf80c49a0c36dc39ff7e92

Shri Buddha Chandraseker
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarender Katkam
Founder to CEO, TheSmartBridge to
SmartInternz



CERTIFICATE OF COMPLETION

November 22, 2022

Lakkakula Lokesh

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Lakkakula Lokesh has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

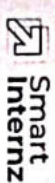
Certificate ID: SISFV1PAD2022-29453 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/a291eb7ce86c27ed798151c4a0741bc

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Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam
Founder & CEO, TheSmartBridge &
SmartInternz



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CERTIFICATE OF COMPLETION

November 22, 2022

BHUMA JAYASIMHAREDDY

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**July-September 2022**), BHUMA JAYASIMHAREDDY has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-29356 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/32f8b607c830d03270034463142809cd

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Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



CERTIFICATE OF COMPLETION

November 15, 2022

Avula Gowtham Kumar Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Avula Gowtham Kumar has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management
Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards
Specialist

Certificate ID: SISFV/PAD2022-24367 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/c699a38d88e2499b4e47f02534c2a4d8

Shri Buddha Chandraseker
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarendra Kalkam
Founder & CEO, TheSmartBridge &
SmartInternz



100% Placement Rate



Smart
Internz

CERTIFICATE OF COMPLETION

November 08, 2022

SIRIPIREDDY YUVARAJU REDDY

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), SIRIPIREDDY YUVARAJU REDDY has completed the following Salesforce Trailhead modules

Trailhead Modules Completed:
1. Salesforce Introduction
2. Salesforce User Interface
3. Salesforce Security and Access Management
4. Salesforce Integration with External Systems
5. Salesforce Reporting and Analytics
6. Salesforce Administration
7. Salesforce Development
8. Salesforce Deployment

Superior Skills: Admin, Development, Integration, Reporting, Analytics, Security, Deployment

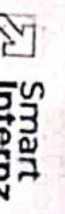
Certificate ID: SISFV1PAD2022-18502 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/a2b121776e9f9e18af35877acc170413

Shri Buddha Chandraseker

Chief Executive Officer, Smart Internz
Noida, India

Mr Amarender Katkam

Founder & CEO, Smart Internz
Noida, India



CERTIFICATE OF COMPLETION

November 08, 2022

Dinesh Lokanadham

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Dinesh Lokanadham has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

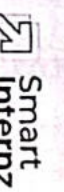
Certificate ID: SISVIPAD2022-19517 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/2b423dc1a327648b419922ee8980e8dd

Shri Buddha Chandraseker

Chief Coordinating Officer (CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



CERTIFICATE OF COMPLETION

November 24, 2022

SHARABU GNANESH

**Salesforce Developer Virtual
Internship**

During the 8 Weeks period of Virtual Internship (**August-
October 2022**), SHARABU GNANESH has completed the following
Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFV1PAD2022-31245 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/c85fb8ec322164605d79454b8db8671

Shri Buddha Chandraseker
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam
Founder & CEO, TheSmartBridge &
SmartInternz



101, P. 101, P. 101



CERTIFICATE OF COMPLETION

November 22, 2022

Ajith Kumar Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-
September 2022), Ajith Kumar has completed the following
Salesforce Trailhead modules

- Salesforce Fundamentals
- Organizational Setup
- Relationship & Sales Cloud
- Service Cloud & Process Automation
- Flow & Chatter
- Security Reports & Dashboards
- Data Management

- Super Badge - Security Specialist
- Super Badge - Business Administration Specialist
- Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFY7FAD2022-29453 | Verify this certificate @ http://smartinternz.com/internships/salesforce_certificates/168b5a4416cb800076af2ca0f616305

Shri Buddha Chandraseker
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam
Founder & CEO, TheSmartBridge &
SmartInternz



CERTIFICATE OF COMPLETION

November 03, 2022

Ullipayala Sasi

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Ullipayala Sasi has completed the following
Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex: Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFYIPAD2022-17645 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificate/2d48dc37435b3383967398948524c0ee8

Shri Buddha Chandraseker

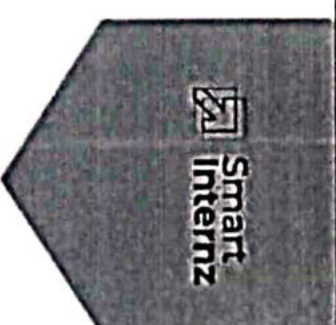
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



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CERTIFICATE OF COMPLETION

November 02, 2022

YARRAMPALLI SIVAKUMAR

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), YARRAMPALLI SIVAKUMAR has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFVIPAD2022-16954 | Verify this certificate @ http://smartinternz.com/internships/salesforce_certificates/d07a5a3f01fc342462e15c4cfd18039e

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



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Internz

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November 02, 2022

Udayagiri Sai Sasank

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), **Udayagiri Sai Sasank** has completed the following
Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFVIPAD2022-16958 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/7f6d50e3bd910613453258dbfa30521d

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



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CERTIFICATE OF COMPLETION

November 08, 2022

Ranjith Bala

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (July-September 2022), Ranjith Bala has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Sales Cloud
Service Cloud & Process Automation
Flow & Chatter
Security, Reports & Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPAD2022-19518 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/de950c66628a532bfd2258159f8950e1

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz



CERTIFICATE OF COMPLETION

November 21, 2022

Sneha Kollam Salesforce Administrator Virtual Internship

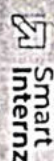
During the 8 Weeks period of Virtual Internship (August-October 2022), Sneha Kollam has completed the following Salesforce Trailhead modules

- Salesforce Fundamentals
- Organizational Setup
- Relationship & Sales Cloud
- Service Cloud & Process Automation
- Flow & Chatter
- Security, Reports & Dashboards
- Data Management
- Super Badge - Security Specialist
- Super Badge - Business Administration Specialist
- Super Badge - Lightning Experience Reports & Dashboards Specialist

Certificate ID: SISFVIPA02022-28888 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificate/5e4b3bf0d97e959f577e143845dd852d

Shri Buddha Chandraseker
Chief Coordinating Officer (CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam
Founder & CEO, The SmartBridge &
SmartInternz



CERTIFICATE OF COMPLETION

October 29, 2022

Aravind Patnam Subramanyam Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Aravind Patnam subramanyam has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship to Process Automation
Types Of Flows & Security
Apex Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFVIPA02022-15392 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/03931c44c77a6f980d21609d4846dd31

Shri Buddha Chandraseker

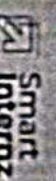
Chief Coordinating Officer (CCO),
NEAT Cell-AICTE

Mr Amarender Katkam

Founder & CEO, The SmartBridge &
SmartInternz



In Partnership With



CERTIFICATE OF COMPLETION

November 02, 2022

Dhanunjaya Vukikadala Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Dhanunjaya Vukkadala has completed the following Salesforce Trailhead modules

- Salesforce Fundamentals
- Organizational Setup
- Administering Sales Cloud
- Service Cloud & Success Automation
- Flow Builder
- Security Reports & Dashboards
- Data Management
- Super Badge - Security Specialist
- Super Badge - Business Administration Specialist
- Super Badge - Lightning Experience Reports & Dashboards Specialist

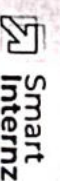
Certificate ID SISVIPAD2022-16972 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/5e84bd89fe45860ca1ebaf025f494461

Shri Buddha Chandraseker
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam
Founder & CEO, TheSmartInternz



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CERTIFICATE OF COMPLETION

November 07, 2022

Chennamsetty Chaitanya Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Chennamsetty Chaitanya has completed the following
Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFVIPAD2022-18755 | Verify this certificate @
https://smartinternz.com/internships/salesforce_certificates/a5014e
a03581f27aae82ea135f1b6fb4

Shri Buddha Chandraseker
Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarendra Katkam
Founder & CEO, TheSmartBridge &
SmartInternz

Certificate of Completion

This is to certify that

PERISETLA POORNA CHANDRA SESHAI SAI

has successfully completed Virtual Internship program under



Indram Choudhury
Chief Learning Officer, Microsoft India



Affiliate Partners

GitHub   



Kiran Seth
CEO, IT ITeS SSC NASSCOM

Issue Date: 27-October-2022

Certificate ID: ad54e673-83c9-4433-b460-87e00e51090a



Certificate of Completion

This is to certify that
Kotapati Sravanth

has successfully completed Virtual Internship program under



Indrani Choudhury
Chief Learning Officer, Microsoft India



Affiliate Partners



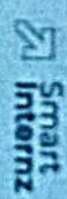
Kirti Sethi
CEO, IT ITeS SSC MASSCOM

Certificate ID: 86436a54-6e10-48a8-ab18-c861ca840dcc

Issue Date: 03-November-2022



In Partnership With



CERTIFICATE OF COMPLETION

November 10, 2022

Mattipollu Dharshan

Salesforce Administrator Virtual Internship

During the 8 Weeks period of Virtual Internship (**August-October 2022**), Mattipollu Dharshan has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship to Sales Cloud
Service Cloud to Process Automation
Flow to Chatter
Security Reports to Dashboards
Data Management

Super Badge - Security Specialist
Super Badge - Business Administration Specialist
Super Badge - Lightning Experience Reports to Dashboards Specialist

Certificate ID SISFVIPAD2022-21776 | Verify this certificate @ http://smartinternz.com/internships/salesforce_certificates/95242a7a98a979781c075529ab26c9db

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Prof K. Hemachandra Reddy

Chairman, Andhra Pradesh State
Council for Higher Education

Mr Amarender Katkam

Founder to CEO, TheSmartBridge to
SmartInternz

COMMUNTY SERVICE PROJECT REPORT
EXTRACTION OF ZINC NANOPARTICLES FROM THE
TINOSPORACORDIFOLIA FOR SENSITIZING HUMAN
HEALTH ISSUE

BY

Name of the Candidate

Roll Number

P. AJAY	20AK1A0301
N. ANJINEYULU	20AK1A0302
B. BHARATH KUMAR	20AK1A0303
P. CHARAN GOVIND	20AK1A0305
V.A. DHEERAJ	20AK1A0306
A. GANESH RAJU	20AK1A0307
S. GANESH	20AK1A0308
C. GNANA PRASAD	20AK1A0309

Under the guidance of

Name of the supervisor

MR. K. KUMAR sir



Department of MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCE
TIRUPATI ANDHRA PRADESH

2022-2023

CERTIFICATE

This is to certify that the community project report titled "EXTRACTION OF ZINC NANOPARTICLES FROM THE TINOSPORA CORDIFOLIA FOR SENSITIZING HUMAN HEALTH ISSUES" submitted to "MECHANICAL ENGINEERING & ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCE" is a bona fide record of work done under my supervision.

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Roll Number

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C. GNANA PRASAD	20AK1A0309

HEAD
DEPT. OF MECHANICAL ENGG
AITS, TIRUPATI - 517 520.
Signature Head of the

Department Mechanical Engineering

Signature of the supervisor

K KUMAR sir

DECLARATION

I/We, hereby declare that this Community Service Project report titled "HEALTH EXTRACTION OF ZINC NANOPARTICLES FROM THE TINOSPORA CORDIFOLIA FOR SENSITIZING HUMAN ISSUES" has been written by me/us. The work carried out is original and has not been submitted to any other University or Institution for the award of any credits.

N. Anjineyulu
S.No . Name of the Candidate Roll Number Signature:

N ANJINEYULU (20AK1A0302)

Place: Tirupati Date: 21/01/23

COMMUNITY SERVICE PROJECT REPORT
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TINOSPORACORDIFOLIA FOR SENSITIZING HUMAN
HEALTH ISSUE

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Name of the supervisor

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TIRUPATI ANDHRA PRADESH

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517 520
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Department Mechanical Engineering


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K KUMAR sir

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S.No. Name of the Candidate Roll Number Signature:

B BHARATH KUMAR (20AK1A0303)

Place: Tirupati Date: 21/01/2023

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TINOSPORACORDIFOLIA FOR SENSITIZING HUMAN
HEALTH ISSUE

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Under the guidance of

Name of the supervisor

MR. K. KUMAR sir



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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCE
TIRUPATI ANDHRA PRADESH

2022-2023

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DEPT. OF MECHANICAL ENGL
AITS.. TIRUPATI - 517 520.

Counter Signature Head of the

Department Mechanical Engineering

Signature of the supervisor

K KUMAR sir

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P. Charan Govind

S.No . Name of the Candidate Roll Number Signature:

P CHARAN GOVINDH (20AK1A0305)

Place: Tirupathi Date: 21/01/2023

COMMUNITY SERVICE PROJECT REPORT

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Under the guidance of

Name of the supervisor

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Department of MECHANICAL ENGINEERING

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DEPT. OF MECHANICAL ENG
ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCE
TIRUPATI - 517 520
Signature Head of the
Department Mechanical Engineering


Signature of the supervisor
K KUMAR sir

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S.No. Name of the Candidate Roll Number Signature:

V A DHEERAJ (20AK1A0306)

Place: Tirupati Date: 21/1/23

COMMUNITY SERVICE PROJECT REPORT

EXTRACTION OF ZINC NANOPARTICLES FROM THE TINOSPORA CORDIFOLIA FOR SENSITIZING HUMAN HEALTH ISSUE

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S. GANESH	20AK1A0308
C. GNANA PRASAD	20AK1A0309

Under the guidance of

Name of the supervisor

MR. K. KUMAR sir



Department of MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCE
TIRUPATI ANDHRA PRADESH

2022-2023

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AITS, TIRUPATHI-517 520
Counter Signature Head of the
Department Mechanical Engineering


Signature of the supervisor

K KUMAR sir

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S.No. Name of the Candidate Roll Number Signature:
S GANESH (20AK1A0308)

Place: Tirupathi Date: 21/01/2023

COMMUNITY SERVICE PROJECT REPORT

EXTRACTION OF ZINC NANOPARTICLES FROM THE TINOSPORACORDIFOLIA FOR SENSITIZING HUMAN HEALTH ISSUE

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C. GNANA PRASAD	20AK1A0309

Under the guidance of

Name of the supervisor

MR. K. KUMAR sir



Department of MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCE
TIRUPATI ANDHRA PRADESH

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DEPT. OF HEAD
DEPT. OF MECHANICAL ENG.
AITS TIRUPATI 517 520
Counter Signature Head of the

Department Mechanical Engineering

Signature of the supervisor

K KUMAR sir

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S.No. Name of the Candidate Roll Number Signature:

C GNANA PRASAD (20AK1A0309)

Place: 21/01/23 Date: 21/01/23

Tirupathi

Community Service Project

Organic Fertilizers

By

P.Gokul Sai

20AK1A0310

Under the guidance of

Dr. J. Venu Murali

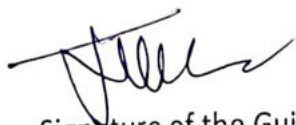


Department of Mechanical Engineering
Annamacharya Institutions of Technology and Science
, Tirupati. (AUTONOMOUS)
Andhra Pradesh
(2020-2024)

CERTIFICATE

This is to certify that the community project report titled "ORGANIC FERTILIZERS" Submitted to "Mechanical Engineering, Annamacharya Institutions of Technology and Science, Tirupati" is a bonfire record of work done under my supervision.

Name of the candidates	Roll numbers
P. GOKUL SAI	20AK1A0310
V. DEEPAK	20AK1A0311
K. HARI PRASAD	20AK1A0312
S. HARISH	20AK1A0313
T. HARISH	20AK1A0314
K. JAGADEESH	20AK1A0315
B. JAGAN MOHAN REDDY	20AK1A0316
K. KIRAN KUMAR	20AK1A0317
P. KIRAN	20AK1A0318

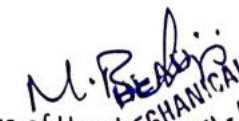


Signature of the Guide

Dr. J. Venu Murali

Associate Professor.

Dept. of Mechanical Engineering



Signature of Head of Department
DEPT. OF MECHANICAL ENGG
TIRUPATI - 517 520

Mr. M. BALAJI M.Tech,(PhD)

HOD

Dept. of Mechanical Engineering

Community Service Project

Organic Fertilizers

By

V.Deepak

20AK1A0311

Under the guidance of

Dr. J. Venu Murali

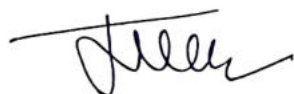


Department of Mechanical Engineering
Annamacharya Institutions of Technology and Science
, Tirupati. (AUTONOMOUS)
Andhra Pradesh
(2020-2024)

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K. KIRAN KUMAR	20AK1A0317
P. KIRAN	20AK1A0318



Signature of the Guide

Dr. J. Venu Murali

Associate Professor.

Dept. of Mechanical Engineering



Signature of Head of Department
Mr. M. Bala Murali, M.Tech, (PhD)
HOD
DEPT. OF MECHANICAL ENGG
AITS...TIRUPATI-517 520

HOD

Dept. of Mechanical Engineering

Community Service Project

Organic Fertilizers

By

K. Hari Prasad

20AK1A0312

Under the guidance of

Dr. J. Venu Murali



Department of Mechanical Engineering
Annamacharya Institutions of Technology and Science
, Tirupati. (AUTONOMOUS)
Andhra Pradesh
(2020-2024)

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P. KIRAN	20AK1A0318

Signature of the Guide

Signature of the Guide

Dr. J. Venu Murali

Associate Professor.

Dept. of Mechanical Engineering

Signature of Head of Department

HEAD

Mr. M. B. MECHANICAL ENGG
DEPT. OF MECH. (P)
TIRUPATI - 517 019 (PND)

HOD

Signature of Head of Department

Mr. M. B. BAMES, M. Tech (PhD)
DEPT. OF MECHANICAL ENGG
PURATI - 59470

HOD^AITS.. TIRUPATI

Dept. of Mechanical Engineering

Community Service Project

Organic Fertilizers

By

S.Harish

20AK1A0313

Under the guidance of

Dr. J. Venu Murali



Department of Mechanical Engineering
Annamacharya Institutions of Technology and Science
, Tirupati. (AUTONOMOUS)
Andhra Pradesh
(2020-2024)

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Associate Professor.

Dept. of Mechanical Engineering



Signature of Head of Department

Mr. M. BALAJI

HOD

DEPT. OF MECHANICAL ENGINEERING

AITs., TIRUPATI - 517 019

Dept. of Mechanical Engineering

Community Service Project

Organic Fertilizers

By

T.Harish

20AK1A0314

Under the guidance of

Dr. J. Venu Murali

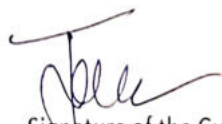


Department of Mechanical Engineering
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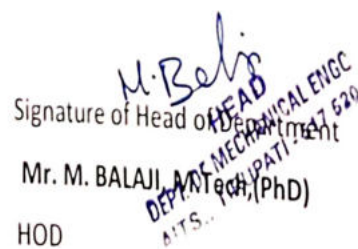


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Associate Professor.

Dept. of Mechanical Engineering



Signature of Head of Department

Mr. M. BALAJI, M.Tech, (PhD)

HOD

Dept. of Mechanical Engineering

Community Service Project

Organic Fertilizers

By

K.Jagadeesh

20AK1A0315

Under the guidance of

Dr. J. Venu Murali

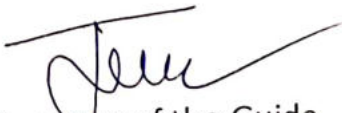


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Dept. of Mechanical Engineering


Signature of Head of Department
Mr. M. Balaji, M.Tech,(PhD)
HOD

Dept. of Mechanical Engineering

Community Service Project

Organic Fertilizers

By

B.Jagan Mohan Reddy

20AK1A0316

Under the guidance of

Dr. J. Venu Murali

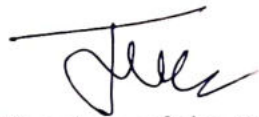


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(2020-2024)

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This is to certify that the community project report titled "ORGANIC FERTILIZERS" Submitted to "Mechanical Engineering, Annamacharya Institutions of Technology and Science, Tirupati" is a bonfire record of work done under my supervision.

Name of the candidates	Roll numbers
P. GOKUL SAI	20AK1A0310
V. DEEPAK	20AK1A0311
K. HARI PRASAD	20AK1A0312
S. HARISH	20AK1A0313
T. HARISH	20AK1A0314
K. JAGADEESH	20AK1A0315
B. JAGAN MOHAN REDDY	20AK1A0316
K. KIRAN KUMAR	20AK1A0317
P. KIRAN	20AK1A0318




Signature of the Guide

Dr. J. Venu Murali

Associate Professor.

Dept. of Mechanical Engineering



Signature of Head of Department
Mr. M. Balaji, M.Tech, (PhD)
HOD
Dept. of Mechanical Engineering
AITS..

HOD

Dept. of Mechanical Engineering

Community Service Project

Organic Fertilizers

By

K.KiranKumar

20AK1A0317

Under the guidance of

Dr. J. Venu Murali



Department of Mechanical Engineering
Annamacharya Institutions of Technology and Science
, Tirupati. (AUTONOMOUS)
Andhra Pradesh
(2020-2024)

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Signature of **HEAD** **DEPT. OF MECHANICAL ENGG**
MR. M. BALAJI, M.Tech, (PhD)
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Community Service Project

Organic Fertilizers

By

P. Kiran
20AK1A0318

Under the guidance of

Dr. J. Venu Murali

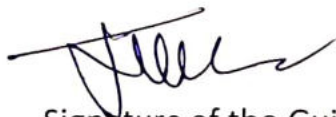


Department of Mechanical Engineering
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Andhra Pradesh
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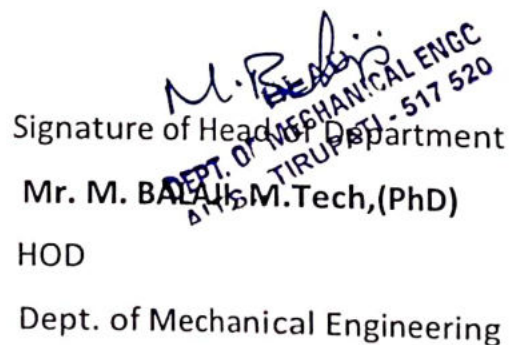


Signature of the Guide

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COMMUNITY SERVICE PROJECT

"VILLAGE PEOPLE AND THEIR PROBLEMS"

A.KUSHAL (20AK1A0319)

III BTECH I SEMESTER

Under the guidance of

Dr. M.CHAITANYA REDDY M.Tech,Ph.D



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

TIRUPATI

DEPARTMENT OF MECHANICAL ENGINEERING

(2022-2023)

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A.KUSHAL (20AK1A0319)

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COMMUNITY SERVICE PROJECT

"VILLAGE PEOPLE AND THEIR PROBLEMS"

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COMMUNITY SERVICE PROJECT

"VILLAGE PEOPLE AND THEIR PROBLEMS"

S. LEELA CHANDU (20AK1A0321)

III BTECH I SEMESTER

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COMMUNITY SERVICE PROJECT

"VILLAGE PEOPLE AND THEIR PROBLEMS"

K.MADHU SUDHAN (20AK1A0322)

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COMMUNITY SERVICE PROJECT

"VILLAGE PEOPLE AND THEIR PROBLEMS"

E.MAHENDRA (20AK1A0323)

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COMMUNITY SERVICE PROJECT

"VILLAGE PEOPLE AND THEIR PROBLEMS"

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COMMUNITY SERVICE PROJECT

**"VILLAGE PEOPLE AND THEIR
PROBLEMS"**

N.NARASIMHA MOHITH (20AK1A0325)

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COMMUNITY SERVICE PROJECT

"VILLAGE PEOPLE AND THEIR PROBLEMS"

T M. NIVAS (20AK1A0326)

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Dr. M.CHAITANYA REDDY M.Tech,Ph.D



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COMMUNITY SERVICE PROJECT

"VILLAGE PEOPLE AND THEIR PROBLEMS"

K. PAWAN KALYAN (20AK1A0328)

III BTECH I SEMESTER

Under the guidance of

Dr. M. CHAITANYA REDDY M.Tech, Ph.D



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K. PAWAN KALYAN (20AK1A0328)

Head of the Department :

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DEPT. OF TIRUPATHI - 517 520
AITS
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M. Balaji, M.Tech, (Ph.D)

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Dr. M. Chaitanya Reddy

Dr. M. Chaitanya Reddy M.Tech, Ph.D

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COMMUNITY SERVICE PROJECT REPORT

on

COMMUNITY CLEANLINESS AND IMPROVEMENT

by

Talari Ravi Kumar 20AK1A0330

Under the guidance of

Dr.PC.Elumalai., M.E., Ph.D

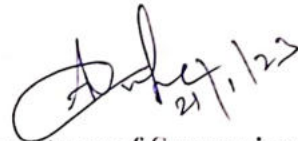


**DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS)
Venkatapuram, Renigunta, Tirupati,
Andhra Pradesh – 517520
(2020-2024)**

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Talari Ravi Kumar: 20AK1A0330



Signature of Supervisor

Dr.PC.Elumalai., M.E., Ph.D

Assistant Professor,

Department of Mechanical Engineering



Signature of HoD

Mr.M.Balaji., M.Tech., (Ph.D)

Head of the Department & Assistant Professor,

Department of Mechanical Engineering

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DEPT. OF MECHANICAL ENGC
AITS.. TIRUPATI - 517 520**

COMMUNITY SERVICE PROJECT REPORT

on

COMMUNITY CLEANLINESS AND IMPROVEMENT

by

Sankarapu Sai Kartheek 20AK1A0331

Under the guidance of

Dr.PC.Elumalai., M.E., Ph.D



**DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**

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Venkatapuram, Renigunta, Tirupati,

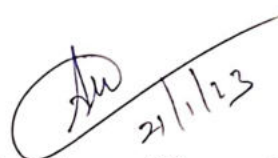
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Signature of Supervisor

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Mr.M.Balaji., M.Tech., (Ph.D)

Head of the Department & Assistant Professor,

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COMMUNITY SERVICE PROJECT REPORT

on

COMMUNITY CLEANLINESS AND IMPROVEMENT

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Pasupuleti Sai Mahesh 20AK1A0332

Under the guidance of

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COMMUNITY SERVICE PROJECT REPORT

on

COMMUNITY CLEANLINESS AND IMPROVEMENT

by

Devarinti Sai Krishna 20AK1A0333

Under the guidance of

Dr.PC.Elumalai., M.E., Ph.D



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COMMUNITY SERVICE PROJECT REPORT

on

COMMUNITY CLEANLINESS AND IMPROVEMENT

by

Atturu Sanath 20AK1A0334

Under the guidance of

Dr.PC.Elumalai., M.E., Ph.D



**DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**

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COMMUNITY SERVICE PROJECT REPORT

on

COMMUNITY CLEANLINESS AND IMPROVEMENT

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Choppa Sanhith Reddy 20AK1A0336

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COMMUNITY SERVICE PROJECT REPORT
on
COMMUNITY CLEANLINESS AND IMPROVEMENT

by
Poojari Santhosh Kumar 20AK1A0337

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COMMUNITY CLEANLINESS AND IMPROVEMENT

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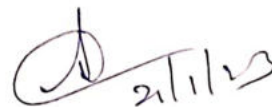
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COMMUNITY SERVICE PROJECT REPORT

on

COMMUNITY CLEANLINESS AND IMPROVEMENT

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COMMUNITY SERVICE PROJECT REPORT
on
**WATER FACILITIES AND DRINKING WATER
AVAILABILITY**

by
N.SHAMEER 20AK1A0340

Under the guidance of
S. Nishanthi, M Tech
Assistant professor,
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VENKATAPURAM, RENIGUNTA, TIRUPATI
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2020-2024

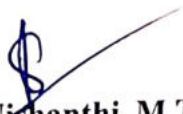
CERTIFICATE

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Y THARUN	20AK1A0348
N SHAMEER	20AK1A0340
L SHIVAJI	20AK1A0341
C SHYAM SAI	20AK1A0342
D SREENIVASULU	20AK1A0344
M SUDHARSHAN	20AK1A0345
T TEJA	20AK1A0346
P THARUN KUMAR	20AK1A0347

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COMMUNITY SERVICE PROJECT REPORT

on

**WATER FACILITIES AND DRINKING WATER
AVAILABILITY**

by

L.SHIVAJI 20AK1A0341

Under the guidance of

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AITS.. TIRUPATI - 517 520

Mr. M. Balaji, M Tech, (PhD)
Associate Professor & HOD,
Dept of MECH

COMMUNITY SERVICE PROJECT REPORT

on

**WATER FACILITIES AND DRINKING WATER
AVAILABILITY**

by

C.H. SHYAM SAI

20AK1A0342

Under the guidance of

S. Nishanthi, M Tech

Assistant professor,

Department of Mechanical Engineering.



Department of Mechanical Engineering
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
VENKATAPURAM, RENIGUNTA, TIRUPATI
Andhra Pradesh
2020-2024


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N SHAMEER	20AK1A0340
L SHIVAJI	20AK1A0341
C SHYAM SAI	20AK1A0342
D SREENIVASULU	20AK1A0344
M SUDHARSHAN	20AK1A0345
T TEJA	20AK1A0346
P THARUN KUMAR	20AK1A0347

Under the esteemed guidance of

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COMMUNITY SERVICE PROJECT REPORT
on
**WATER FACILITIES AND DRINKING WATER
AVAILABILITY**

by
D.SREENIVASULU
20AK1A0344

Under the guidance of
S. Nishanthi, M Tech
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Department of Mechanical Engineering
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
VENKATAPURAM, RENIGUNTA, TIRUPATI
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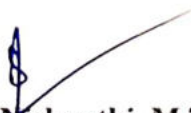
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COMMUNITY SERVICE PROJECT REPORT
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**WATER FACILITIES AND DRINKING WATER
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by
M.SUDHARSHAN **20AK1A0345**

Under the guidance of
S. Nishanthi, M Tech
Assistant professor,
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Department of Mechanical Engineering
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M. Balaji
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COMMUNITY SERVICE PROJECT REPORT
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AVAILABILITY**

by
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Under the guidance of
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P.THARUN KUMAR

20AK1A0347

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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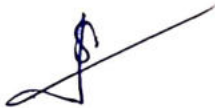
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Mr. M. Balaji, M Tech, (PhD)
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COMMUNITY SERVICE PROJECT REPORT

On

VERMICOMPOST&CROP ROTATION

By

N. Uday Kiran 20AK1A0349

Under the guidance

S.Praveena M. Tech

Department of Mechanical Enigneering.



DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS),TIRUPATI
Venkatapuram, Renigunta, Tirupati, Andhra Pradesh – 517520
(2020-2024)

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Submitted to Annamacharya Institute of Technology &science,
Tirupati Department of Mechanical Enigneering,
is a bonafide record of work done under my supervision

N. Uday Kiran

(20AK1A0349)



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AITS., TIRUPATI - 517 520

**A REPORT ON
COMMUNITY SERVICE PROJECT**

**Done at
"VENKATAPURAM"**

**By
K.Vamsi Krishna
20AK1A0350
III BTECH I SEMESTER
BACHELOR OF TECHNOLOGY IN
MECHANICAL ENGINEERING**



**ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
TIRUPATI
DEPARTMENT OF MECHANICAL ENGINEERING
(2022-2023)**

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K.Vamsi Krishna

20AK1A0350

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(Signature)

COMMUNITY SERVICE PROJECT REPORT

on

VERMICOMPOST & CROP ROTATION

by

P.venkat charan 20AK1A0351

Under the guidance

S.Praveena M.Tech

Department of mechanical Engineering



DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS),TIRUPATI

Venkatapuram, Renigunta, Tirupati, Andhra Pradesh - 517520

(2020-2024)

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P.VENKAT CHARAN (20AK1A0351)

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AITS, TIRUPATHI - 517 521

HEAD OF THE DEPARTMENT

(Signature)

COMMUNITY SERVICE PROJECT

Done on

VERMICOMPOST & CROP ROTATION

At

“VENKATAPURAM “

By

C. Vijay Kumar

20AK1A0353

III BTECH I SEMESTER

BACHELOR OF TECHNOLOGY IN

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

TIRUPATI

DEPARTMENT OF MECHANICAL ENGINEERING

(2022-2023)

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C.VIJAY KUMAR (20AK1A0353)


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AITS., TIRUPATI - 517 520

COMMUNITY SERVICE PROJECT REPORT

On

VERMICOMPOST&CROP ROTATION

By

K.Vijay Kumar Reddy 20AK1A0354

Under the guidance

S.Praveena M. Tech

Department of Mechanical Engineering.



DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS), TIRUPATI
Venkatapuram, Renigunta, Tirupati, Andhra Pradesh – 517520
(2020-2024)

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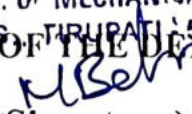
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K. Vijay Kumar Reddy

(20AK1A0354)



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AITS, TIRUPATI 517 520
HEAD OF THE DEPARTMENT

(Signature)

COMMUNITY SERVICE PROJECT REPORT

On

VERMICOMPOST&CROP ROTATION

By

G. Vishnu 20AK1A0355 (20AK1A0355) ✍

Under the guidance

S. Praveena M.Tech

Department of Mechanical Engineering.



DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
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G.Vishnu

(20AK1A0355)



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DEPT. OF MECHANICAL ENGL
TIRUPATI - 517 520
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A REPORT ON
COMMUNITY SERVICE PROJECT

Done at

"VENKATAPURAM"

By

P. Yaswanth Reddy

20AK1A0356

III BTECH I SEMESTER
BACHELOR OF TECHNOLOGY IN
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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
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(20AK1A0356)


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(Signature) **HEAD**
DEPT. OF MECHANICAL ENGG.
AITs., TIRUPATI - 517 520;

COMMUNITY SERVICE PROJECT REPORT
On
IDEAS FOR HEALTH AND WELLBEING

By
A ARUN REDDY

(21AK5A0303)

DEPARTMENT OF MECHANICAL ENGINEERING
(2021-2024)

Under the guidance of

Smt.S.Lakshmi .,M.Tech.

Assistant Professor, Department of Mechanical Engineering



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Venkatapuram, Renigunta, Tirupati, Andhra Pradesh – 517520

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COMMUNITY SERVICE PROJECT REPORT
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By

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By

K BHASKAR

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(2021-2024)

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COMMUNITY SERVICE PROJECT REPORT
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V CHENCHALAH

(21AK5A0306)

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(2021-2024)

Under the guidance of
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Head of Department
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COMMUNITY SERVICE PROJECT REPORT
On
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K D AJAY SHARMA

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DEPARTMENT OF MECHANICAL ENGINEERING
(2021-2024)

Under the guidance of
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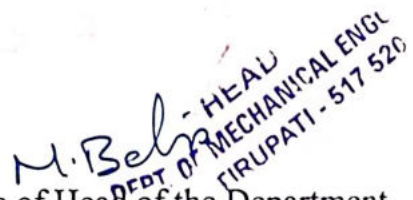


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COMMUNITY SERVICE PROJECT REPORT
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M GANESH KUMAR

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COMMUNITY SERVICE PROJECT REPORT
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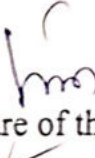
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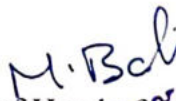
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COMMUNITY SERVICE PROJECT REPORT
On
IDEAS FOR HEALTH AND WELLBEING

By
S GURU SAI KAMAL

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(2021-2024)

Under the guidance of
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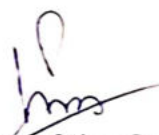
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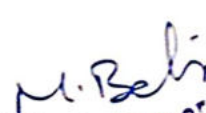
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COMMUNITY SERVICE PROJECT REPORT
On
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By
S HAJIMATHULA

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DEPARTMENT OF MECHANICAL ENGINEERING
(2021-2024)

Under the guidance of
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Venkatapuram, Renigunta, Tirupati, Andhra Pradesh – 517520

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This is certify that the community service project report titled “Ideas for Health and Wellbeing” submitted to “Department of Mechanical Engineering & Annamacharya Institute of Techonology and Sciences, Tirupathi” is bonafide record of work done under my supervision.

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(21AK5A0311)


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TIRUPATHI - 517 520**

COMMUNITY SERVICE PROJECT REPORT

on

STRESS LEVELS AND COPING
MECHANISMS

by

HARITHA, T

21AK5A0312

Under the guidance of

Mr. K. VINAY KUMAR

Department of Mechanical Engineering



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VENKATAPURAM, RENIGUNTA, TIRUPATI

Andhra Pradesh

2020-2024

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COMMUNITY SERVICE PROJECT REPORT

on

STRESS LEVELS AND COPING MECHANISMS

by

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21AK5A0313

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COMMUNITY SERVICE PROJECT REPORT

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STRESS LEVELS AND COPING
MECHANISMS

by

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COMMUNITY SERVICE PROJECT REPORT

on

STRESS LEVELS AND COPING
MECHANISMS

by

HEMANTH KUMAR, M

21AK5A0315

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COMMUNITY SERVICE PROJECT REPORT

on

STRESS LEVELS AND COPING
MECHANISMS

by

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21AK5A0316

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COMMUNITY SERVICE PROJECT REPORT

on

STRESS LEVELS AND COPING
MECHANISMS

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COMMUNITY SERVICE PROJECT REPORT

on

STRESS LEVELS AND COPING
MECHANISMS

by

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21AK5A0319

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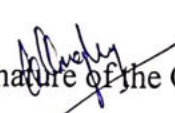
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COMMUNITY SERVICE PROJECT REPORT

on

**STRESS LEVELS AND COPING
MECHANISMS**

by

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21AK5A0320

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COMMUNITY SERVICE PROJECT REPORT

on

Health and Hygiene

by

LOKA VIGNESWAR REDDY R 21AK5A0321

Under the guidance of:

SMT. M SRUTHI

Assistant Professor

Dept of MECHANICAL

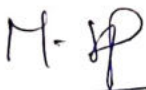


Department of Mechanical Engineering
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Tirupati
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COMMUNITY SERVICE PROJECT REPORT

on

Health and Hygiene

by

MANOJ B 21AK5A0323

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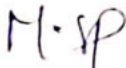


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COMMUNITY SERVICE PROJECT REPORT

on

Health and Hygiene

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MANOJ E 21AK5A0324

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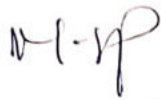
Tirupati

Andhra Pradesh

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COMMUNITY SERVICE PROJECT REPORT

on

Health and Hygiene

by

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COMMUNITY SERVICE PROJECT REPORT

on

Health and Hygiene

by

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Annamacharya Institute of Technology and Science

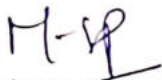
Tirupati

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COMMUNITY SERVICE PROJECT REPORT

on

Health and Hygiene

by

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on

Health and Hygiene

by

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COMMUNITY SERVICE PROJECT REPORT

on

Health and Hygiene

by

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COMMUNITY SERVICE PROJECT REPORT

on

Health and Hygiene

by

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COMMUNITY SERVICE PROJECT REPORT

on

VERMICOMPOSTING BY USING

EISENI FOETIDA EARTWORMS

By

L PAVAN KUMAR 21AK5A0331

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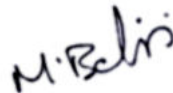


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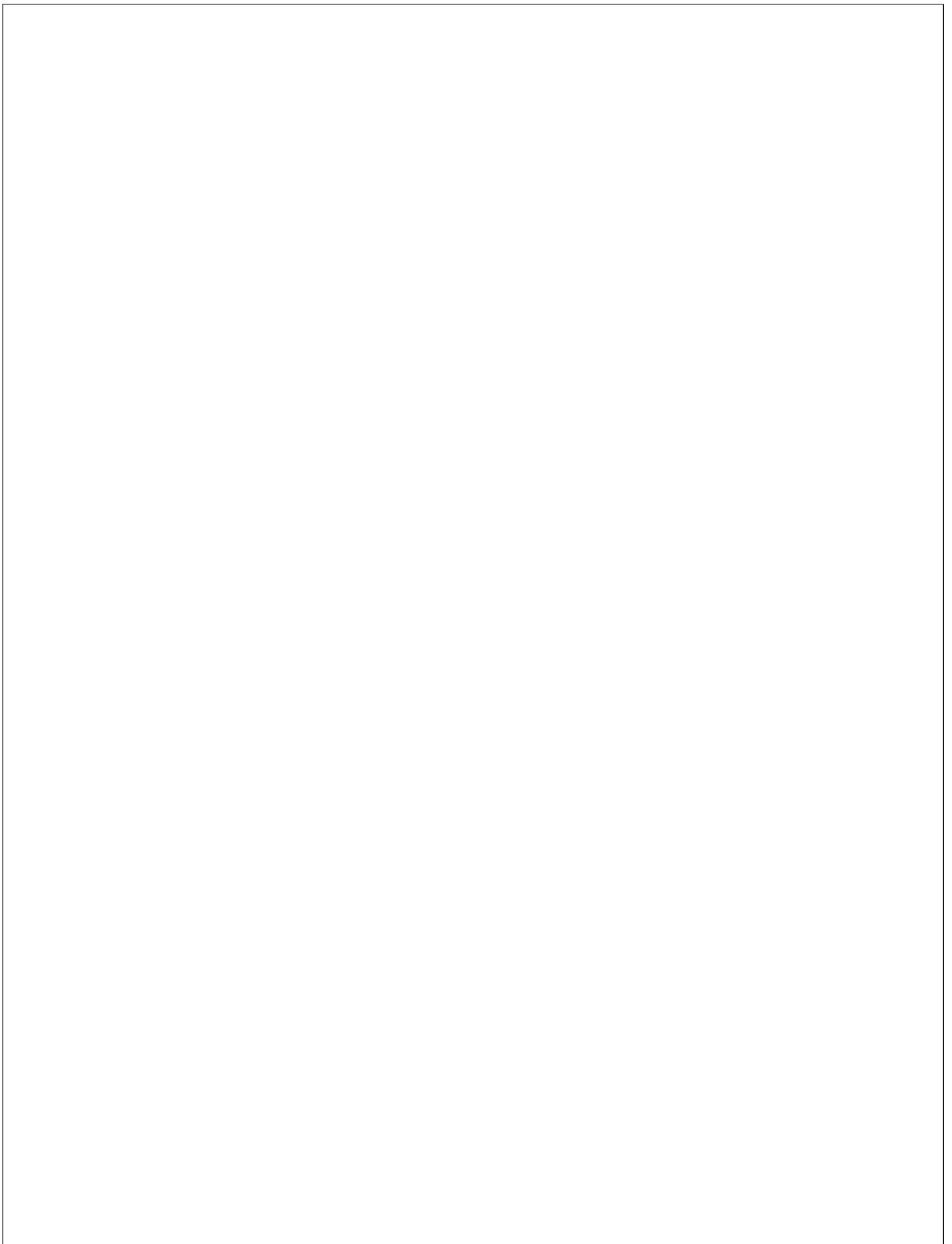


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COMMUNITY SERVICE PROJECT REPORT

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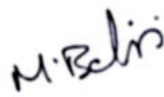


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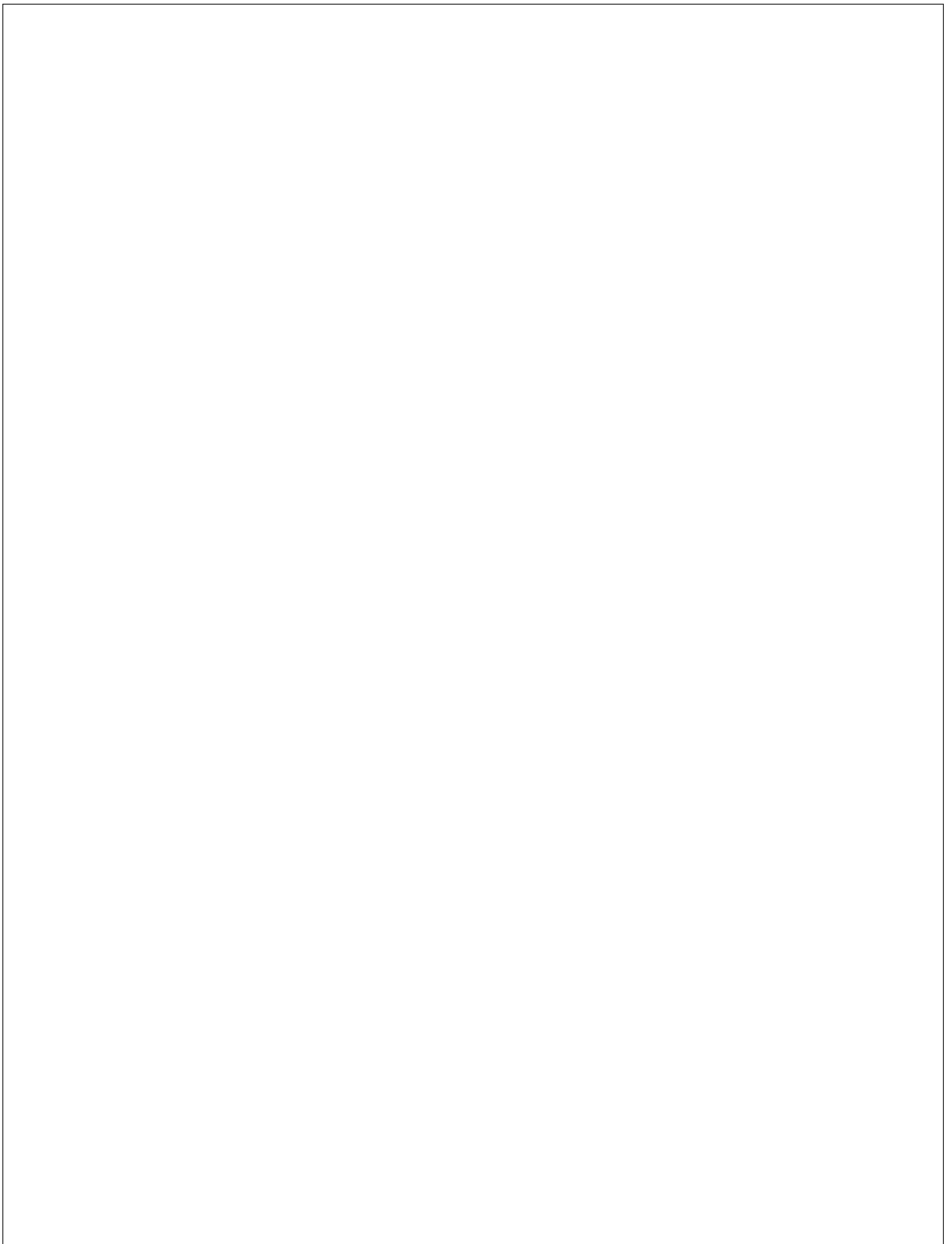


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VERMICOMPOSTING BY USING

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M PRUDHVI 21AK5A0333

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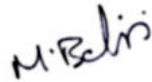


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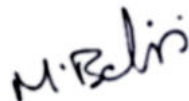


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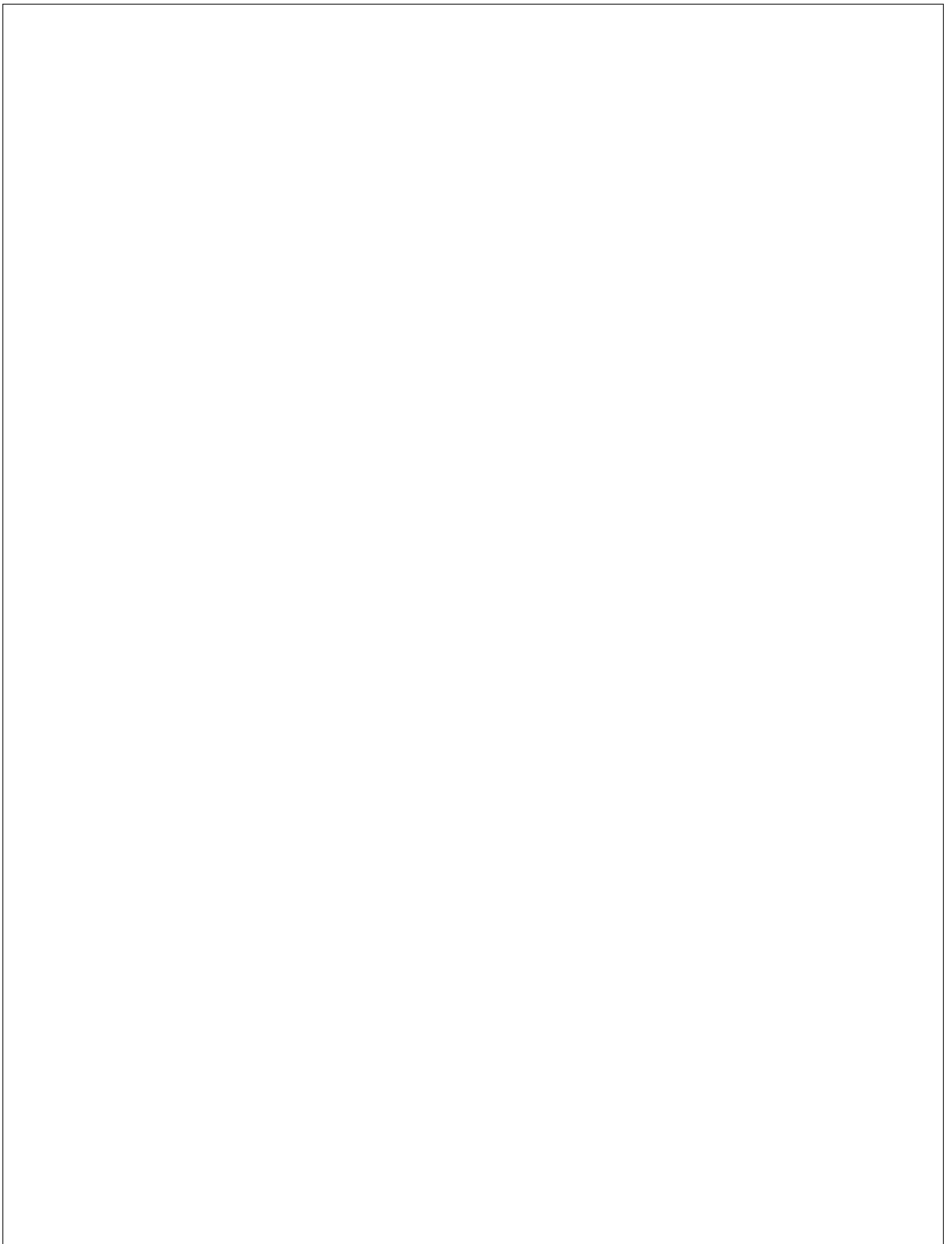


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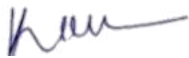
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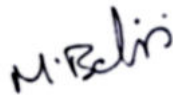


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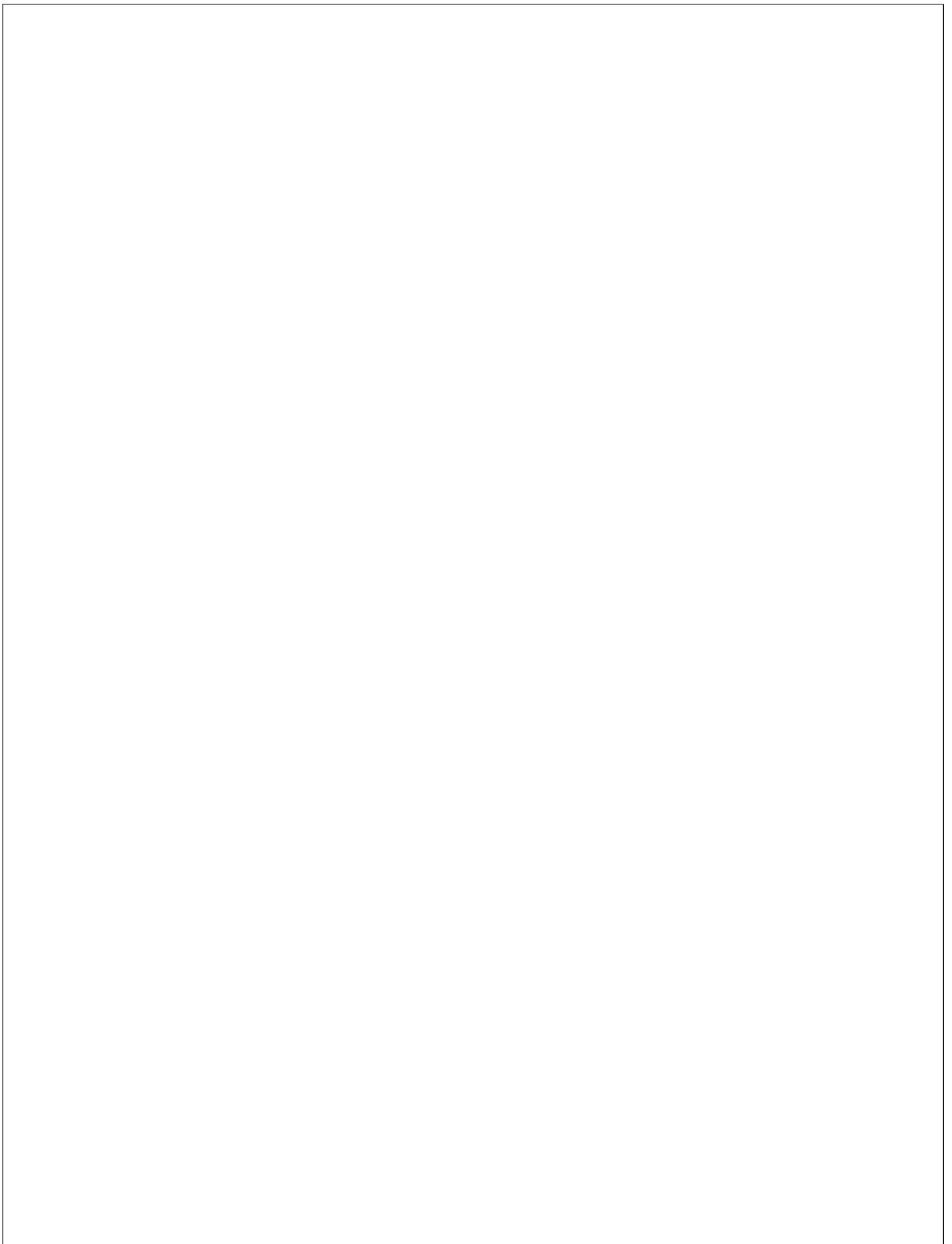


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MECHANICAL ENGINEERING

COMMUNITY SERVICE PROJECT REPORT

on

VERMICOMPOSTING BY USING

EISENI FOETIDA EARTWORMS

By

K RAVI KISHORE 21AK5A0336

Under the guidance of :

Mr.K KUMAR., Ph.D (M.Tech)

Assistant professor

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Department of Mechanical Engineering

Annamacharya Institute of Technology and Science

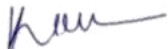
Tirupati

Andhra Pradesh

CERTIFICATION

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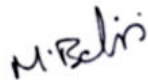


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MECHANICAL ENGINEERING

COMMUNITY SERVICE PROJECT REPORT

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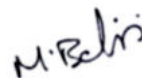


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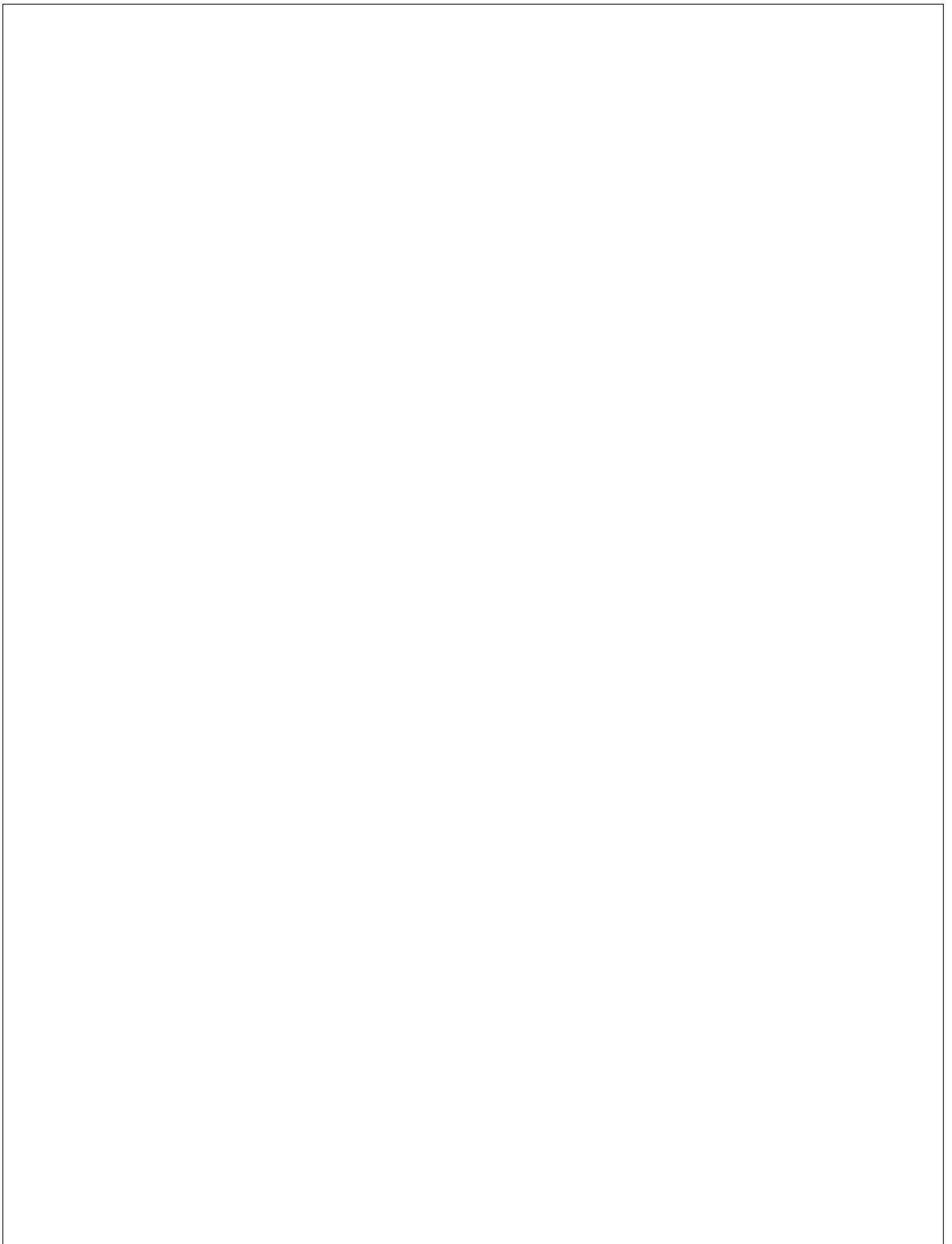


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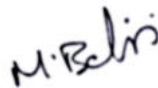


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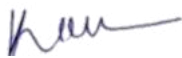
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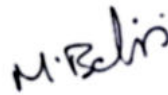


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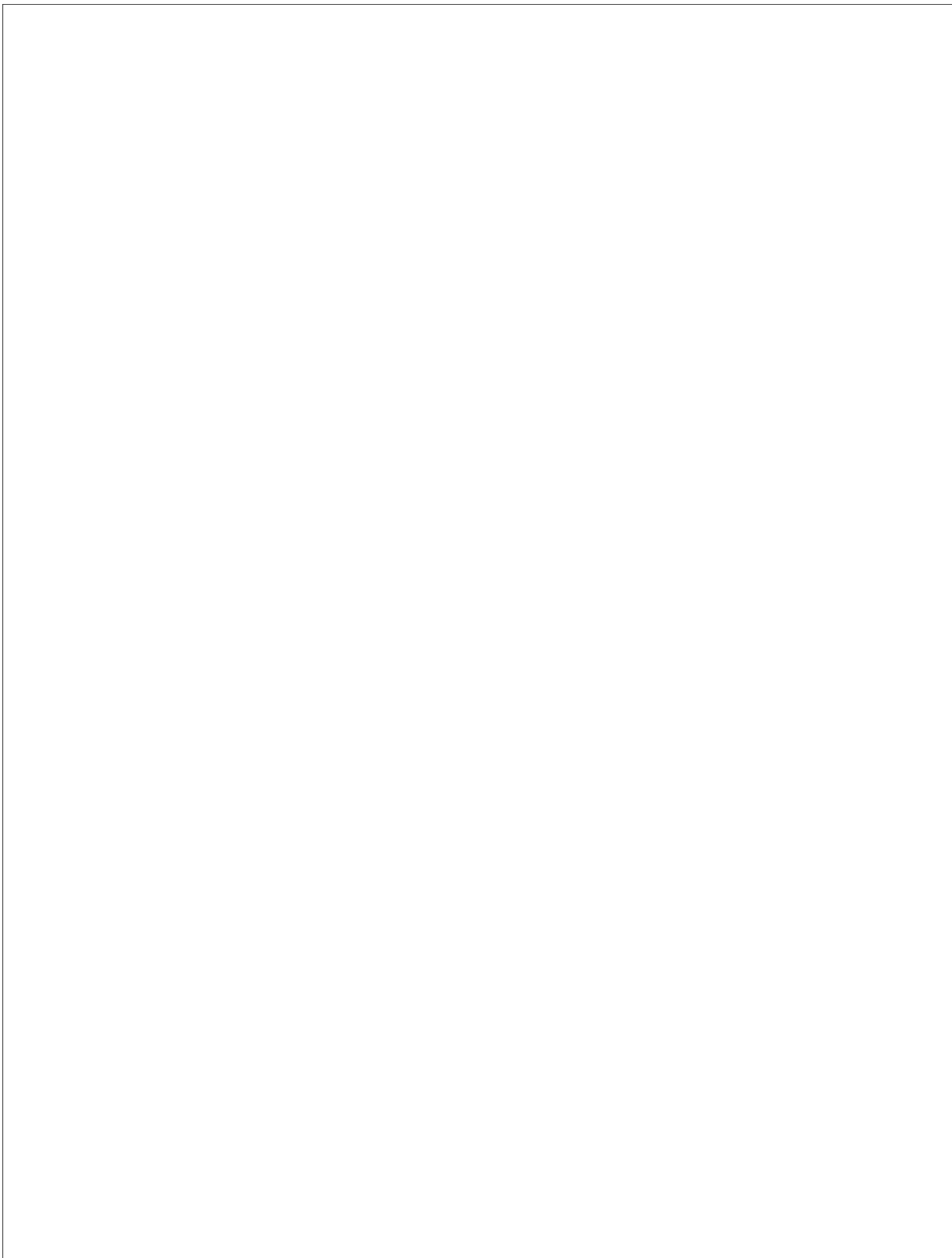


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COMMUNITY SERVICE PROJECT REPORT
On

SURVEY ON TOURISM

By

SK. MAHABOOB BASHA

21AK5A0340

Under the guidance of

Dr. M.CHAITANYA REDDY, M.Tech, Ph.D



DEPARTMENT OF MECHANICAL ENGINEERING
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2021-2024

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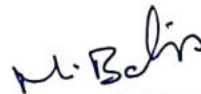


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By

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21AK5A0342

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COMMUNITY SERVICE PROJECT REPORT
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By

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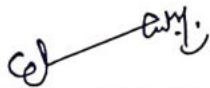
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SREEDHAR BABU G - 21AK5A0345



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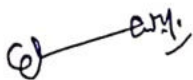
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COMMUNITY SERVICE PROJECT REPORT
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21AK5A0347

Under the guidance of

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N.TEJESWARA RAO
21AK5A0348

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COMMUNITY SERVICE PROJECT REPORT
on
**REMEDIAL MEASURES ON WATER FACILITIES IN
RURAL AREAS**

by
VEERA NARAYANA J - 21AK5A0349

**Under the guidance of
Mr. K RAJASEKAR
Department of Mechanical Engineering**



**DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES**

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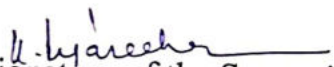
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by
VENKATA KARTHIKEYA N - 21AK5A0350

**Under the guidance of
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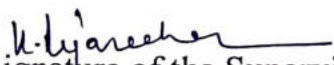
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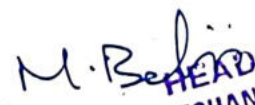
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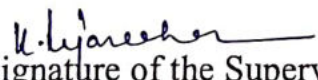
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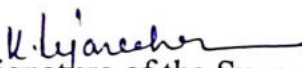
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EXPERIMENTAL INVESTIGATION OF MAGNESIUM MATRIX COMPOSITE REINFORCED WITH TITANIUM NITRIDE NANO PARTICLES

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Abstract - In this work, powder metallurgy, compaction, sintering, and hot extrusion were used to create pure magnesium and magnesium matrix composite enhanced with titanium nitride nanoparticles. This study made use of magnesium powder and titanium nanoparticles. Mechanical and microstructural investigation of extruded specimens were performed using a universal testing machine, and scanning electron microscope with energy dispersive X-ray spectroscopy (SEM-EDS). The addition of TiN nanoparticles to the magnesium matrix increased mass density and ultimate tensile strength, and maximum UTS were investigated in Mg0.97 vol% TiN nanocomposite. Further SEM micrographs and EDS data corroborated the distribution and existence of TiN nanoparticles in the magnesium matrix.

Key Words: magnesium composite, hot extrusion, scanning electron microscope, hardness magnesium composite, hot extrusion, scanning electron microscope, hardness.

1. INTRODUCTION

Magnesium and its alloys are used as light weight structural materials for different applications in automobile, aerospace, telecommunication and electronic industries. Magnesium is potential material for light weight production and is highly prepared for strength to weight applications without compromising the overall strength. It is sixth most abundant element in the earth crust (~2.7% of weight). Further magnesium based material are recently attracted for bio medical application. Among the metals magnesium and pure iron have excellent bio compatibility without any local toxicity. Magnesium have lower young's modulus which is close to human bone and also eliminates secondary surgery in bio implant applications. Low modulus, limited ductility and poor corrosion resistant, wear resistant and poor surface property are some of the inherent properties of magnesium based material which restricts their extensive applications.

Magnesium Matrix Composites

Magnesium is the densest metal useful for critical structural and bio-medical applications. Magnesium based materials due to the low density offer high specific strength, high

stiffness, high thermal conductivity and diffusivity, good castability, good machinability, good damping capacity and bio compatibility. The density of magnesium(1.74g/cc) is two third of aluminium, one third of titanium, one fifth of steel and iron

Selection of Reinforcement

Selection of reinforcement can be classified they are

Based on the type

1. Metallic reinforcement
2. Ceramic reinforcement

Based on size

1. Micron ($1 \times 10^{-6} \text{m} - 100 \times 10^{-6} \text{m}$)
2. Submicron ($0.1 \times 10^{-6} \text{m} - 1 \times 10^{-6} \text{m}$)
3. Nano ($1 \times 10^{-9} \text{m} - 100 \times 10^{-9} \text{m}$)

Generally ceramic reinforcement can be grouped into oxides, carbides, nitrides and borides. The selection of reinforcement allows to make new magnesium-based composites by reinforcing with hard and inexpensive ceramics or metals for the purpose of tailoring the properties. Addition of inexpensive nanoparticles to enable improvements in strength and ductility of magnesium-based composites without compromising the gain in weight

PROCESSING OF MAGNESIUM MATRIX COMPOSITES

Processing of magnesium matrix composites can be classified into two types:

1.Primary Processing

- a. Liquid state processing
- b. Solid state processing

2.Secondary Processing

- a. Hot extrusion