

***1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years.***

***Academic Year- 2016-17***

***1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years.***

**ATME COLLEGE OF ENGINEERING**

**Index Sheet**

SL No.	Particulars	Remarks
1.	Projects Details of Civil Engineering	Sample Project Work certificates
2.	Projects Details of Computer Science Engineering	Sample Project Work certificates
3.	Projects Details of Electronics & Communication Engineering	Sample Project Work certificates
4.	Projects Details of Electrical & Electronics Engineering	Sample Project Work certificates
5.	Projects Details of Mechanical Engineering	Sample Project Work certificates

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**“Jnana Sangama”, Belagavi-590018**



**A PROJECT REPORT  
on**

**“Defending Against Collaborative Attacks by Malicious Nodes in MANETs:  
A Cooperative Bait Detection Approach”**

*Submitted in the partial fulfillment for the award of Bachelor of Engineering Degree  
in*

**COMPUTER SCIENCE & ENGINEERING**

**Submitted by**

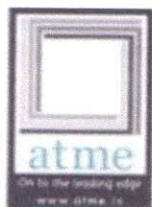
**KEERTHISHREE S 4AD13CS031**

**RANJANA S 4AD13CS062**

**SOWJANYA V 4AD13CS081**

**VIDYA U 4AD13CS098**

**Under the guidance of  
Mrs. M S Sunitha Patel  
Assistant Professor  
Department of CSE  
ATME College of Engineering**



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**ATME College of Engineering,**

**13th Kilometer, Mysuru-Kanakapura-Bengaluru Road,  
Mysuru - 570 028**

**2016-2017**

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Belagavi – 590018

## ATME College of Engineering

13th Kilometer, Mysuru-Kanakapura-Bengaluru Road, Mysuru - 570 028

### Department of Computer Science and Engineering

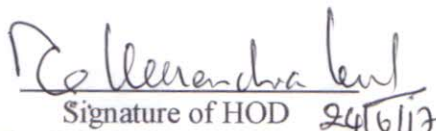


## CERTIFICATE

This is to certify that the Project Work entitled “Defending Against Collaborative Attacks by Malicious Nodes in MANETs: A Cooperative Bait Detection Approach” is the bonafide work carried out by **Keerthishree S** (4AD13CS031), **Ranjana S** (4AD13CS062), **Sowjanya V** (4AD13CS081) and **Vidya U** (4AD13CS098) in partial fulfillment for the award of degree of Bachelor of Engineering in Computer Science and Engineering from Visvesvaraya Technological University, Belagavi during the year 2016-2017.

  
22/6/17

Signature of the Guide  
Mrs. M S Sumitha Patel  
Assistant Professor

  
24/6/17

Signature of HOD  
Prof. M S Veerendra Kumar  
Head of the Department



Signature of Principal  
Dr. L Basavaraj  
Principal

### External Viva

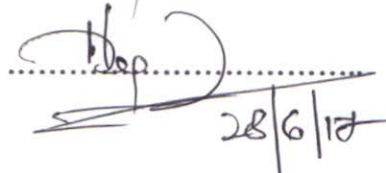
Name of Examiners

  
Vishwanath

  
T. Raju N.

Signature with date

  
28/6/17

  
28/6/17





# A T M E

College of Engineering



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

# CERTIFICATE

This is to certify that Mr./Ms. KEERTHISHREE - S  
from ATMECE, MYSURU has  
secured I place in Inter - Collegiate **"Project Championship - 2017"**  
organised by Department of Computer Science and Engineering, ATME College of  
Engineering, Mysuru on 5<sup>th</sup> May 2017.

**Mrs. Nasreen Fathima**  
Programme Coordinator  
Asst. Professor

**Prof. M S Veerendra Kumar**  
Programme Convenor  
HOD, Dept. of CSE

**Dr. L. Basavaraj**  
Principal



A T M E

College of Engineering



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

# CERTIFICATE

This is to certify that Mr./Ms. RANJANA S  
from ATMECE, MYSURU has  
secured I place in Inter - Collegiate **"Project Championship - 2017"**  
organised by Department of Computer Science and Engineering, ATME College of  
Engineering, Mysuru on 5<sup>th</sup> May 2017.

Mrs. Nasreen Fathima  
Programme Coordinator  
Asst. Professor

Prof. M S Veerendra Kumar  
Programme Convenor  
HOD, Dept. of CSE

Dr. L. Basavaraj  
Principal





College of Engineering



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

# CERTIFICATE

This is to certify that Mr./Ms. SOWJANYA V  
from ATMECE, MYSURU has  
secured I place in Inter - Collegiate **"Project Championship - 2017"**  
organised by Department of Computer Science and Engineering, ATME College of  
Engineering, Mysuru on 5<sup>th</sup> May 2017.

Mrs. Nasreen Fathima  
Programme Coordinator  
Asst. Professor

Prof. M S Veerendra Kumar  
Programme Convenor  
HOD, Dept. of CSE

Dr. L. Basavaraj  
Principal



# A T M E

College of Engineering



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

# CERTIFICATE

This is to certify that Mr./Ms. VIDYA . U  
from ATMECE , MYSURU has  
secured I place in Inter - Collegiate **"Project Championship - 2017"**  
organised by Department of Computer Science and Engineering, ATME College of  
Engineering, Mysuru on 5<sup>th</sup> May 2017.

**Mrs. Nasreen Fathima**  
Programme Coordinator  
Asst. Professor

**Prof. M S Veerendra Kumar**  
Programme Convenor  
HOD, Dept. of CSE

**Dr. L. Basavaraj**  
Principal





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



This is to certify that Mr. /Ms. KEERTHISHREE . S  
of ATMECE , MYSURU has participated and  
presented a paper titled "DEFENDING AGAINST COLLABORATIVE ATTACKS BY MALICIOUS  
NODES IN MANETS: A cooperative Ap Bait Detection Approach"  
in the **"State Level Technical Symposium-2017"** organized by the Department of  
Computer Science and Engineering, ATMECE, held on 3<sup>rd</sup> and 4<sup>th</sup> May 2017.

R. S. S.  
Co-ordinator

G. Venkatesh  
Organizing Chair

K. S.  
Principal



# A T M E

College of Engineering



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



This is to certify that Mr. /Ms. LANJANA S  
of ATMECE, MYSURU has participated and  
presented a paper titled "DEFENDING AGAINST COLLABORATIVE ATTACKS  
BY MALICIOUS NODES IN MANETS: A cooperative Bait Detection Approach"  
in the **"State Level Technical Symposium-2017"** organized by the Department of  
Computer Science and Engineering, ATMECE, held on 3<sup>rd</sup> and 4<sup>th</sup> May 2017.

Gowda  
Co-ordinator

G. Venandha kumar  
Organizing Chair

Kishu  
Principal





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



This is to certify that Mr. /Ms. VIDYA . U  
of ATMECE, MYSURU has participated and  
presented a paper titled "DEFENDING AGAINST COLLABORATIVE ATTACKS BY MALICIOUS  
NODES IN MANETS: A cooperative Bait Detection Approach"  
in the **"State Level Technical Symposium-2017"** organized by the Department of  
Computer Science and Engineering, ATMECE, held on 3<sup>rd</sup> and 4<sup>th</sup> May 2017.

Co-ordinator

Organizing Chair

Principal

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**  
**“Jnana Sangama”, Belagavi-590018**



**A PROJECT REPORT  
ON**

**“SCALABILITY OF THE WIRELESS SENSOR NETWORKS  
ON HIERARCHICAL ROUTING”**

*Submitted in the partial fulfillment for the award of Bachelor of Engineering degree*  
*in*  
**COMPUTER SCIENCE & ENGINEERING**

**Submitted by**

<b>RAMYA C M</b>	<b>4AD13CS061</b>
<b>THEJAS R J</b>	<b>4AD13CS095</b>
<b>VIKAS B K</b>	<b>4AD13CS100</b>
<b>VINUTHA K M</b>	<b>4AD13CS101</b>

**Under the guidance of**  
**Mrs. Impana Appaji**  
Assistant Professor  
Department of CSE  
ATME College of Engineering



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**ATME College of Engineering,**  
13th Kilometer, Mysuru-Kanakapura-Bengaluru Road,  
Mysuru - 570 028

**2016-2017**

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Belagavi – 590018

## ATME College of Engineering

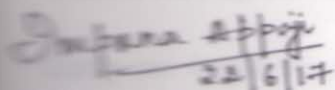
13th Kilometer, Mysuru-Kanakapura-Bengaluru Road, Mysuru - 570 028

### Department of Computer Science and Engineering

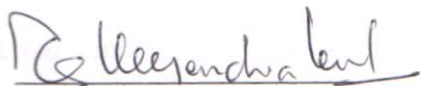


## CERTIFICATE

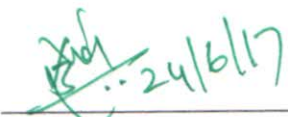
This is to certify that the Project Work entitled “Scalability of Wireless Sensor Networks on Hierarchical Routing” is the bonafide work carried out by **Ramya C M** (4AD13CS061), **Thejas R J** (4AD13CS095), **Vikas B K** (4AD13CS100) and **Vinutha K M** (4AD13CS101) in partial fulfillment for the award of degree of Bachelor of Engineering in Computer Science and Engineering from Visvesvaraya Technological University, Belagavi during the year 2016-2017.

  
22/6/17

Signature of the Guide  
Mrs. Sampada Appaji  
Assistant Professor

  
24/6/17

Signature of HOD  
Prof. M S Veerendra Kumar  
Head of the Department

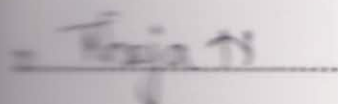
  
24/6/17

Signature of Principal  
Dr. L Basavaraj  
Principal

### External Viva

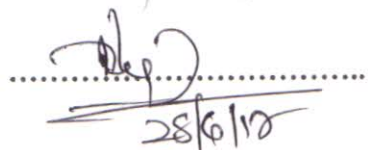
Name of Examiners





Signature with date

  
28/6/17

  
28/6/17



# CERTIFICATE *of* PUBLICATION

**Ramya C M, Thejas R J, Vikas B K, Vinutha K M, Impana Appaji**

**Title: "Scalability of the Wireless Sensor Networks on Hierarchical Routing".**

Have published paper in IJRDO - Journal of Computer Science and Engineering.

EDITOR IN CHIEF:

*Naseem Sheikh*

ON THIS DAY:

*April 15, 2017*



# CERTIFICATE *of* PUBLICATION

**Ramya C M, Vinutha K M, Thejas R J, Vikas B K, Impana Appaji**

**Title: LEACH PROTOCOL IN WIRELESS SENSOR NETWORK: A SURVEY.**

Have published paper in IJRDO - Journal of Computer Science and Engineering.

EDITOR IN CHIEF:

*Naseem Sheikh*

ON THIS DAY:

February 28, 2017



# **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

Jnana Sangama, Belagavi, Karnataka-590018



Project Report on

## **“CADENCE BASED IMPLEMENTATION OF SUCCESSIVE APPROXIMATION-ADC USING 45nm CMOS TECHNOLOGY”**

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

Bachelor of Engineering in

### **ELECTRONICS AND COMMUNICATION ENGINEERING**

For the academic year 2016-2017

Submitted by

**PUNITH RAJ C**

**4AD12EC060**

**CHAITHANYA LAKSHMI S**

**4AD13EC016**

**ELAYARAJU V**

**4AD14EC415**

**UMAMAHESHWARI P R**

**4AD14EC456**

Under the Guidance of

**Mr. ABHILASH G**

Assistant Professor

Dept. of ECE, ATMECE



## **ATME COLLEGE OF ENGINEERING**

**Department of Electronics and Communication Engineering**

13<sup>th</sup> Kilometer, Bannur Road, Mysore- 570028

**2016-2017**



# ATME COLLEGE OF ENGINEERING

13<sup>th</sup> Kilometer, Bannur Road, Mysore- 570028

Department of Electronics and Communication Engineering



## CERTIFICATE

This is to certify that the Project work entitled "CADENCE BASED IMPLEMENTATION OF SUCCESSIVE APPROXIMATION-ADC USING 45nm CMOS TECHNOLOGY" is a bonafide work carried out by PUNITH RAJ C [4AD12EC060], CHAITHANYA LAKSHMI S [4AD13EC016], ELAYARAJU V [4AD14EC415] and UMAMAHESHWARI P R [4AD14EC456] of Electronics and Communication Engineering Department in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2016-2017. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project has been approved as it satisfies the academic requirement in respect of the project work described for the said degree.

GADD  
7/7/2017

Signature of Guide  
Mr. ABHILASH G  
Assistant Professor

Dnh

Signature of HOD  
Dr. MAHESH P K  
Professor & HOD

Professor & Head

Dept. of Electronics & Communication  
ATME COLLEGE OF ENGINEERING  
Mysuru - 570 028

23/6

Signature of Principal  
Dr. L BASAVARAJ  
Principal

PRINCIPAL  
ATME College of Engineering  
13th KM, Mysuru-Kanakapura-Bangalore Road  
Mellahalli, Mysuru-570028

External Viva:

Name of the Examiners

1. Dr. Mahesh P.K.
2. Dr. D. J. Ravi

Signature with Date

Dnh  
23/6

Dnh  
23/6

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka-590018



Project Report on

## **"LOW COST LED NAME DISPLAY BOARD USING GSM TECHNOLOGY"**

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

### **ELECTRONICS AND COMMUNICATION ENGINEERING**

During the academic year 2016-2017

Submitted by

POOJA B G	4AD13EC056
PRIYA M A	4AD13EC059
R SAGAR	4AD13EC064
MOHAMED SADIQ	4AD14EC430

Under the Guidance of

**Dr. S R BHAGYASHREE**

Professor

Dept. of ECE, ATMECE  
Mysuru



### **ATME COLLEGE OF ENGINEERING**

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

13<sup>th</sup> KM Bannur Road, Mysuru-570028

**2016-2017**



# ATME COLLEGE OF ENGINEERING

13<sup>th</sup> KM Bannur Road, Mysuru- 570028.

Department of Electronics and Communication Engineering



## CERTIFICATE

This is to certify that the Project work entitled "LOW COST LED NAME DISPLAY BOARD USING GSM TECHNOLOGY" is a bonafide work carried out by POOJA B G (4AD13EC056), PRIYA M A (4AD13EC059), R SAGAR (4AD13EC064) and MOHAMED SADIQ (4AD14EC430), of Electronics and Communication Engineering Department in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering of Visvesvaraya Technological University, Belgaum during the academic year 2016-2017. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project has been approved as it satisfies the academic requirement in respect of the project work described for the said degree.

  
Signature of Guide

Dr. S R Bhagyashree  
Professor

  
Signature of HOD

Dr. Mahesh P.K.

Professor & Head

Dept. of Electronics & Communication

ATME COLLEGE OF ENGINEERING

Mysuru - 570 028

  
Signature of Principal

Dr. Basavaraj L.

Principal



ATME College of Engineering

13<sup>th</sup> KM, Mysuru-Kanakapura-Bangalore Road

Mellahalli, Mysuru-570028


### External Viva:

Name of the Examiners

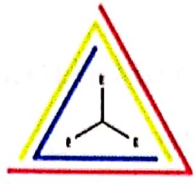
1. .....
2. .....

Signature with Date

  
23/6

  
23/6

**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**



Department of EEE  
Emitting Elite Energy

**CERTIFICATE**

This is to certify that the project report entitled "SOLAR PV STAND-ALONE WATER PUMPING SYSTEM EMPLOYING PMSM DRIVE" is a bonafide work carried out by KARTHIK S KRISHNAN: 4AD13EE015, RAKSHITHA M: 4AD13EE026, ROJA C D: 4AD13EE028, MANU K R: 4AD14EE412, in partial fulfillment for the award of Bachelor of Engineering in Electrical and Electronics Engineering, of the Visvesvaraya Technological University, Belagavi -590 018 during the year 2016-17. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of work prescribed for the said Degree.

Mr. Raghavendra L

**Guide**

Dr. Parthasarathy L

**Head of the Department**

**Dr. PARTHASARATHY L.**

Professor and HOD

Dept. of Electrical & Electronics Engineering

ATME College of Engineering, Mysuru

Dr. L. Basavaraj

**Principal**

**PRINCIPAL**

**ATME College of Engineering**  
13th KM, Mysuru-Kanakapura-Bangalore Rd  
Mellahalli, Mysuru-570028

**External Examiners**

**Name of the examiner**

1. Kamee KB

2.

**Signature with date**

K&E 24/06/17




**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**




**CERTIFICATE**

This is to certify that the project report entitled “**Nanocomposite EMI Shielding Material**” is a bonafide work carried out by **ADAM KHAN Z :4AD13EE001, AFIF UZ ZAMA R.H :4AD13EE002, ANUSHA N:4AD13EE005, MOHAMMED TOUSEEF M.R :4AD14EE413**, in partial fulfillment for the award of **Bachelor of Engineering in Electrical and Electronics Engineering**, of the **Visvesvaraya Technological University, Belagavi -590018** during the year 2016-2017. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of work prescribed for the said Degree.

  
Mr. Praveen Kumar M  
**Guide**

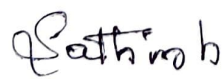
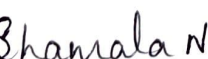
  
Dr. Parthasarathy L  
**Head of the Department**  
Dr. PARTHASARATHY L.  
Professor and HOD  
Dept. of Electrical & Electronics Engineering  
ATME College of Engineering, Mysuru

  
Dr. L Basavaraj  
**Principal**

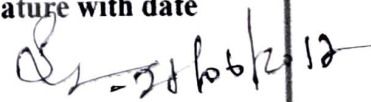
**PRINCIPAL**  
**ATME College of Engineering**  
13th KM, Mysuru-Kanakapura-Bangalore Road  
Mellahalli, Mysuru-570028

**External Examiners**

**Name of the Examiner**

1.  Sathish K.
2.  Shanalan

**Signature with date**

  
Shanalan  
27/6/2017

**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**



Department of EEE  
Emitting Elite Energy

**CERTIFICATE**

This is to certify that the project report entitled "**GSM Based Real Time Scrolling LED Display**" is a bonafide work carried out by **CHETHAN N: 4AD13EE009, NAVYASHREE S M: 4AD13EE020, NIRANJANA M T: 4AD14EE415, SUPREETHA B S: 4AD13EE038**, in partial fulfillment for the award of Bachelor of Engineering in Electrical and Electronics Engineering, of the Visvesvaraya Technological University, Belagavi -590018 during the year 2016-2017. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of work prescribed for the said Degree.

  
27/6/17

Ms. Pooja M

**Guide**

  
27.6.17

Dr. Parthasarathy L

**Head of the Department**

Dr. PARTHASARATHY L.  
Professor and HOD  
Dept. of Electrical & Electronics Engineering  
ATME College of Engineering, Mysuru



Dr. L. Basavaraj

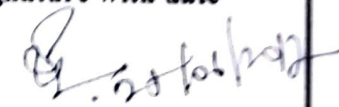
**Principal**

**External Examiners**

**Name of the Examiner**

1. Bathish K.K.
2. Shamala N

**Signature with date**

  
27/6/2017

Shamala N  
27/6/2017



**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**




**CERTIFICATE**

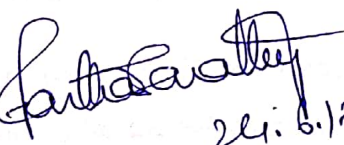
*This is to certify that the project work entitled*

**“AUTOMATIC COIL WINDING MACHINE”**

is a bonafide work carried out by **HITHESH PATEL V (4AD13EE013), VIJAY D TENAGI (4AD13EE418), SAMRIN FATHIMA (4AD14EE424) THIPPESWAMY (4AD14EE428)** in partial fulfillment for the award of **Bachelor of Engineering in Electrical and Electronics Engineering**, of the **Visvesvaraya Technological University, Belagavi-590018** during the year 2016-2017. It is certified that all corrections/suggestions indicated during the Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of work prescribed for the said degree.

  
**Signature of the guide**

(Mr. Vinod Kumar P)

  
24.6.17

**Signature of the H.O.D**


(Prof Dr. Parthasarathy L)

**Dr. PARTHASARATHY L.**

Professor and HOD

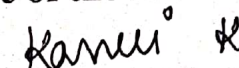
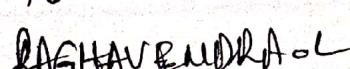
Dept. of Electrical & Electronics Engineering

ATME College of Engineering, Mysuru

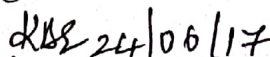
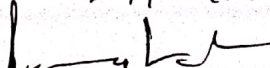
  
24/6/17  
**Signature of the Principal**

(Dr. L Basavaraj)

**Name of the Examiners**

1.  KB
2.  RAGHAVENDRAOL

**Signature with Date:**

 24/06/17  
 24/06/17

**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**




**CERTIFICATE**

This is to certify that the project report entitled “Automatic Power Control Of Online UPS” is a bonafide work carried out by NIKHIL N: 4AD13EE021, SUPRITHA R: 4AD13EE039, MADHURI K M: 4AD14EE409, RANJITH URS K M: 4AD14EE422, in partial fulfillment for the award of Bachelor of Engineering in Electrical and Electronics Engineering, of the Visvesvaraya Technological University, Belagavi -590018 during the year 2016-2017. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of work prescribed for the said Degree.

  
Mrs. Lakshmi K

**Guide**

  
Dr. Parthasarathy L

**Head of the Department**

**Dr. PARTHASARATHY L**  
Professor and HOD  
Dept. of Electrical & Electronics Engineering  
ATME College of Engineering, Mysuru

  
Dr. L Basavaraj

**PRINCIPAL**

**ATME College of Engineering**  
13th KM, Mysuru-Kanakapura-Bangalore Road  
Mellahalli, Mysuru-570028

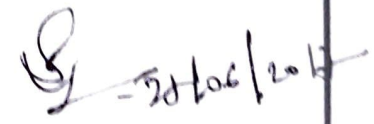
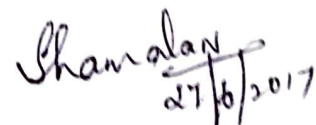
**External Examiners**

**Name of the examiner**

**Signature with date**

1. Sathish K.K.

2. Shamala N.

  
-20/06/2017  
  
27/6/2017




**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**

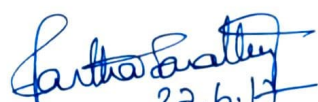



Department of EEE  
Emitting Elite Energy

**CERTIFICATE**

This is to certify that the project report entitled “**Design and simulation of single phase inverter**” is a bonafide work carried out by **POOJA T: 4AD13EE022, SRINIVASMURTHY V: 4AD13EE037, SUSHMA S R: 4AD13EE040, KANYASHRI T T :4AD14EE406**, in partial fulfillment for the award of **Bachelor of Engineering in Electrical and Electronics Engineering**, of the **Visvesvaraya Technological University, Belagavi -590 018** during the year 2016-2017. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of work prescribed for the said Degree.

  
Mr. Praveen Kumar M  
**Guide**

  
Dr. Parthasarathy L  
**Head of the Department**  
Dr. PARTHASARATHY L.  
Professor and HOD  
Dept. of Electrical & Electronics Engineering  
ATME College of Engineering, Mysuru

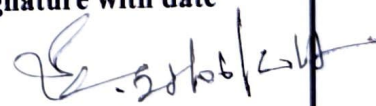
  
Dr. L Basavaraj  
**Principal**  
**PRINCIPAL**  
ATME College of Engineering  
13th KM, Mysuru-Kanakapura-Bangalore Road  
Mellahalli, Mysuru-570028

**External Examiners**

**Name of the examiner**

1. Rethish K.K.
2. Shanalan

**Signature with date**

  
Shanalan  
27/6/2017

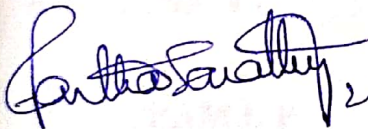
**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**



Department of EEE  
Emitting Elite Energy

**CERTIFICATE**

This is to certify that the project report entitled "SMART CONTROLLER FOR MOTOR PROTECTION" is a bonafide work carried out by **AISHWARYA S : 4AD13EE003, ARCHANA N L: 4AD13EE006, PREETHAM L P : 4AD13EE024 , SHUBAEL SHANE S : 4AD13EE034**, in partial fulfillment for the award of Bachelor of Engineering in Electrical and Electronics Engineering, of the Visvesvaraya Technological University, Belagavi -590 018 during the year 2016-2017. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of work prescribed for the said Degree.

 24.6.17

Dr. Parthasarathy L

**Guide and Head of the**

**Department**

**Dr. PARTHASARATHY L.**

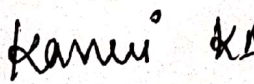
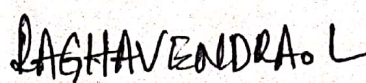
Professor and HOD

Dept. of Electrical & Electronics Engineering

ATME College of Engineering, Mysuru

**External Examiners**

**Name of the examiner**

1.  KS
2.  L

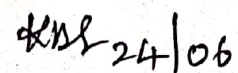
 27/6

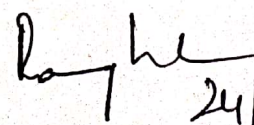
Dr. L Basavaraj

**PRINCIPAL**

**ATME College of Engineering**  
13th KM, Mysuru-Kanakapura-Bangalore Rd  
Mellahalli, Mysuru-570028

**Signature with date**

 24/06/17

 24/06/17



**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**





Department of EEE  
Emitting Elite Energy

**CERTIFICATE**

This is to certify that the project report entitled “Two-Dimension Optical Inspection of Object For Quality Control in Production Line by Robotic Arm” is a bonafide work carried out by **Mariya Nancy A: 4AD14EE017, Goutham S L: 4AD15EE408, Jagadeesha P M: 4AD15EE412, Manjunath M: 4AD15EE419**, in partial fulfillment for the award of **Bachelor of Engineering in Electrical and Electronics Engineering**, of the **Visvesvaraya Technological University, Belagavi-590 018** during the year 2016-2017. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of work prescribed for the said Degree.

  
Mr. Praveen Kumar M  
Guide

  
Dr. Parthasarathy L  
Head of the Department  
Dr. PARTHASARATHY L.  
Professor and HOD  
Dept. of Electrical & Electronics Engineering  
ATME College of Engineering, Mysuru

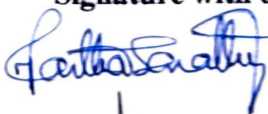

  
Dr. L Basavaraj  
Principal

**External Examiners**

**Name of the examiner**

1. Dr. Parthasarathy L
2. Mrs. SUMITHA.C

**Signature with date**

 13.6.18  
 13/6/18

**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**





Department of EEE  
Emitting Elite Energy

**CERTIFICATE**

This is to certify that the project report entitled “Two-Dimension Optical Inspection of Object For Quality Control in Production Line by Robotic Arm” is a bonafide work carried out by **Mariya Nancy A: 4AD14EE017, Goutham S L: 4AD15EE408, Jagadeesha P M: 4AD15EE412, Manjunath M: 4AD15EE419**, in partial fulfillment for the award of **Bachelor of Engineering in Electrical and Electronics Engineering**, of the **Visvesvaraya Technological University, Belagavi-590 018** during the year 2016-2017. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of work prescribed for the said Degree.

  
Mr. Praveen Kumar M  
**Guide**

  
Dr. Parthasarathy L  
**Head of the Department**  
**Dr. PARTHASARATHY L.**  
Professor and HOD  
Dept. of Electrical & Electronics Engineering  
ATME College of Engineering, Mysuru

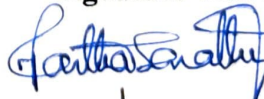

  
Dr. L Basavaraj  
**Principal**

**External Examiners**

**Name of the examiner**

1. Dr. Parthasarathy L
2. Mrs. SUMITHA.C

**Signature with date**

 13.6.18  
 13/6/18



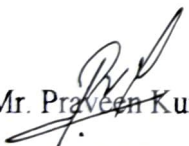
**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**





Department of EEE  
Emitting Elite Energy

**CERTIFICATE**

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Mr. Praveen Kumar M  
**Guide**

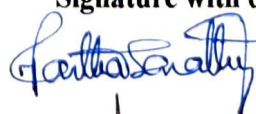

  
Dr. Parthasarathy L  
**Head of the Department**  
**Dr. PARTHASARATHY L.**  
Professor and HOD  
Dept. of Electrical & Electronics Engineering  
ATME College of Engineering, Mysuru

  
Dr. L Basavaraj  
**Principal**

**External Examiners**

**Name of the examiner**

1. Dr. Parthasarathy L
2. Mrs. SUMITRA.C

**Signature with date**  
 13.6.18  
 13/6/18

**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**



Department of EEE  
Emitting Elite Energy

**CERTIFICATE**

This is to certify that the project report entitled “GSM Based Real Time Scrolling LED Display” is a bonafide work carried out by **CHETHAN N: 4AD13EE009, NAVYASHREE S M: 4AD13EE020, NIRANJANA M T:4AD14EE415, SUPREETHA B S:4AD13EE038**, in partial fulfillment for the award of Bachelor of Engineering in **Electrical and Electronics Engineering**, of the **Visvesvaraya Technological University, Belagavi -590018** during the year 2016-2017. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of work prescribed for the said Degree.

  
27/6/17

Ms. Pooja M

**Guide**

  
27.6.17

Dr. Parthasarathy L

**Head of the Department**

**Dr. PARTHASARATHY L.**

Professor and HOD

Dept. of Electrical & Electronics Engineering  
ATME College of Engineering, Mysuru



Dr. L. Basavaraj

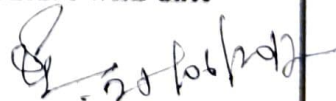
**Principal**

**External Examiners**

**Name of the Examiner**

1. Bathish K.K.
2. Shamala N

**Signature with date**

  
27/6/2017

Shamala N  
27/6/2017

**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**



Department of EEE  
Emitting Elite Energy

**CERTIFICATE**

This is to certify that the project report entitled “**Design and simulation of single phase inverter**” is a bonafide work carried out by **POOJA T: 4AD13EE022, SRINIVASMURTHY V: 4AD13EE037, SUSHMA S R: 4AD13EE040, KANYASHRI T T :4AD14EE406**, in partial fulfillment for the award of **Bachelor of Engineering in Electrical and Electronics Engineering**, of the **Visvesvaraya Technological University, Belagavi -590 018** during the year 2016-2017. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of work prescribed for the said Degree.

  
Mr. Praveen Kumar M

**Guide**

  
27.6.17

**Dr. Parthasarathy L**

**Head of the Department**

**Dr. PARTHASARATHY L.**  
Professor and HOD  
Dept. of Electrical & Electronics Engineering  
ATME College of Engineering, Mysuru



**Dr. L. Basavaraj**

**Principal**

**PRINCIPAL**

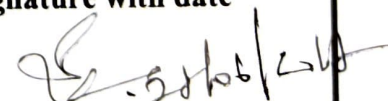
**ATME College of Engineering**  
13th KM, Mysuru-Kanakapura-Bangalore Road  
Mellahalli, Mysuru-570028

**External Examiners**

**Name of the examiner**

1. **Rathish K.K.**
2. **Shamalan**

**Signature with date**

  
**Shamalan**  
27/6/2017



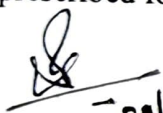
**ATME College of Engineering, Mysuru-570028**  
**Department of Electrical and Electronics Engineering**



Department of EEE  
Emitting Elite Energy


**CERTIFICATE**

This is to certify that the project report entitled "Electric Tricycle" is a bonafide work carried out by **SANA SHARIEF: 4AD13EE029, SOWNDARYA P: 4AD13EE036, KARTHIKA M J: 4AD13EE404, KIRAN M: 4AD13EE407**, in partial fulfillment for the award of Bachelor of Engineering in Electrical and Electronics Engineering, of the Visvesvaraya Technological University, Belagavi -590 018 during the year 2016-2017. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of work prescribed for the said Degree.

  
- 28/06/2017

Mr. Sathish K R

**Guide**

  
27.6.17

Dr. Parthasarathy L

**Head of the Department**

**Dr. PARTHASARATHY L.**

Professor and HOD

Dept. of Electrical & Electronics Engineering

ATME College of Engineering, Mysuru

  
27/6

Dr. L Basavaraj

**Principal**


**PRINCIPAL**


**ATME College of Engineering**  
13th KM, Mysuru-Kanakapura-Bangalore Road  
Melahalli, Mysuru-570028

**External Examiners**

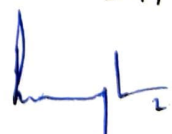
**Name of the examiner**

**Signature with date**

1. 

 24/6/17

2. 

 24/6/17





A PROJECT REPORT

ON

**“A STUDY ON WEAR BEHAVIOUR OF ALUMINIUM 7075-  
MOLYBDENUM DISULPHIDE BASED COMPOSITES”**

Submitted in partial fulfilment for the award of degree of

*Bachelor of Engineering*

*In*

*Mechanical Engineering*

Submitted by

B S LOHITH (4AD13ME014)

ABHINANDAN P R (4AD13ME002)

HEMANTH HEGGADE S S (4AD13ME028)

CHETHAN C (4AD13ME019)

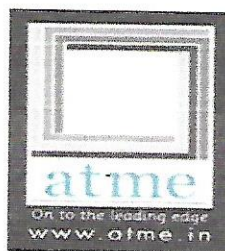
Under the guidance of

**Mr. RAMANUJA C M**

Assistant professor

Dept of Mechanical Engineering

ATMECE, Mysuru



**Department of Mechanical Engineering**  
**ATME COLLEGE OF ENGINEERING**



# ATME COLLEGE OF ENGINEERING, MYSURU-028

(Affiliated to Visvesvaraya Technology University, Belagavi)

## DEPARTMENT OF MECHANICAL ENGINEERING



### Certificate

This is to certify that the project work entitled "A STUDY ON WEAR BEHAVIOUR OF ALUMINIUM 7075-MOLYBDENUM DISULPHIDE BASED COMPOSITES" is a bonafide work carried out by B S LOHITH(4AD13ME014),HEMANTH HEGGADE S S (4AD13ME028), ABHINANDAN P R (4AD13ME002),CHETHAN C (4AD13ME019) in partial fulfillment of the requirement for the award of Bachelor Degree in Mechanical Engineering of Visvesvaraya Technological University, Belagavi, during the academic year 2016-2017. It is certified that all the corrections / suggestions indicated for internal assessment have been incorporated. This report has been approved as it satisfies the academic requirements in respect of the project work prescribed for mentioned degree.

Signature of the Guide  
Mr. Ramanuja C M  
Assistant Professor,  
Dept. of Mech. Engg.,  
ATMECE, Mysuru

Signature of the HOD  
Dr. Rathnakar G  
Professor and head,  
Dept. of Mech. Engg.,  
ATMECE, Mysuru

Signature of the Principal  
Dr. L. Basavaraj  
ATMECE, Mysuru

### External Viva

Name of Examiners

1. S.S.C. Gowda  
2. Devaraj M.R.

Signature with date

27/6/17  
  
27/6/17

## DECLARATION

We hereby declare that the entire work presented in this dissertation was carried out by us under the guidance of **Mr. Ramanuja C M** and no part of it has been submitted for any degree or diploma in any institution previously.

In keeping with the general practice of reporting scientific observations, due acknowledgements have been made wherever the work described is based on the findings of other investigators. Any omissions, which might have occurred by oversight or errors in judgement, are regretted.

DATE : 27 / 06 / 2017

PLACE: MYSURU

1. B S LOHITH

- (4AD13ME014)

Lohith B.S

2. HEMANTH HEGGADE S S

- (4AD13ME028)

Hemant

3. ABHINANDAN P R

- (4AD13ME002)

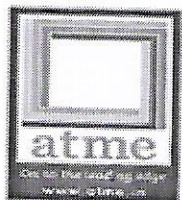
A am.P.R

4. CHETHAN C

- (4AD13ME019)

Chetan





## Department of Mechanical Engineering




### BEST PROJECT 2016-17

BEST PROJECT 1 <sup>st</sup> Place				
Batch No.	Student Name	USN	Project Title	Guide
A-1	Md Zaianullabadain	4AD13ME055	Design and fabrication of quad leaning Suspension	Suresh Kumar
	Md Salik	4AD13ME050		
	Md Afaque Shariff	4AD13ME047		
	Jaffer Khan S	4AD13ME030		

BEST PROJECT 2 <sup>nd</sup> Place				
Batch No.	Student Name	USN	Project Title	Guide
A-3	Mahendra H S	4AD13ME039	Design and Fabrication of mini tiller	Rakshit N
	Mallikarjuna K R	4AD13ME040		
	Manjunath S	4AD13ME041		
	Manohar	4AD13ME042		

BEST PROJECT 3 <sup>rd</sup> Place				
Batch No.	Student Name	USN	Project Title	Guide
A-8	Abhishek Gowda C A	4AD13ME007	Hybrid solar Dryer	Tejendra Prasad
	Akshay Kumar S	4AD13ME012		
	Infant Joshua	4AD13ME029		
	Niveditha	4AD13ME062		

  
\*Project coordinator

  
HoD  
Department of Mechanical Engineering  
ATME College of Engineering, Mysuru

**Visvesvaraya Technological University  
Belagavi, Karnataka-590 028**



**“CHARACTERIZATION OF Al-SiC MoS<sub>2</sub> HYBRID  
METAL MATRIX COMPOSITE”**

A Project Report Submitted in partial fulfillment for the award

**Bachelor of Engineering  
In  
Mechanical Engineering**

Submitted by

**AKSHAY S**

**: (4AD13ME013)**

**CHANDAN K R**

**: (4AD13ME016)**

**CHANDAN V**

**: (4AD13ME017)**

**MADHU KUMAR M N**

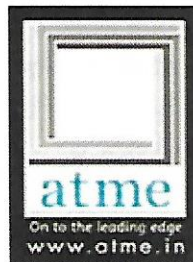
**: (4AD13ME037)**

Under the guidance of

**Mr. MOHANAKUMARA K C**

**Assistant Professor**

**Department of Mechanical Engineering ATMECE Mysuru**



**DEPARTMENT OF MECHANICAL ENGINEERING**

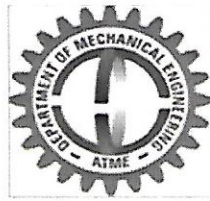
**ATME College of Engineering, Mysuru**

**2016- 2017**

# ATME COLLEGE OF ENGINEERING, MYSURU-28

(Affiliated to Visvesvaraya Technological University, Belagavi)

## DEPARTMENT OF MECHANICAL ENGINEERING



### Certificate

This is to certify that the project work entitled "**CHARACTERISATION OF Al-SiC W<sub>60</sub>S<sub>40</sub> HYBRID METAL MATRIX COMPOSITE**" is a bona-fide work carried out by **AKSHAY S (4AD13ME013), CHANDAN K R (4AD13ME016), CHANDAN V (4AD13ME017), MADHU KUMAR M N (4AD13ME037)** in partial fulfillment for the award of Bachelor of Engineering in **Mechanical Engineering** of the **Visvesvaraya Technological University, Belagavi** during the academic year 2016 - 2017. It is certified that all the corrections/ suggestions indicated for internal assessment have been incorporated. The project report has been approved as it satisfies the academic requirements in the respect of project work prescribed for mentioned degree.

Signature of the Guide  
**Mr. MOHANAKUMARA K C**  
Assistant Professor,  
Dept. of Mech. Engg.,  
ATMECE, Mysuru

Signature of the HOD  
**Dr. RATHNAKAR G**  
Professor and Head  
Dept. of Mech. Engg.,  
ATMECE, Mysuru

Signature of the Principal  
**Dr. L. BASAVARAJ**  
ATMECE, Mysuru

### External Viva

Name of Examiners

SSC Gowda  
Devanaray M.R

Signature with Date

Chd 382716/17  
27/6/17



## DECLARATION

We hereby declare that the entire work presented in this dissertation was carried out by us under the guidance of **Mr. MOHANAKUMARA K C** and no part of it has been submitted for any degree or diploma in any institution previously.

In keeping with the general practice of reporting scientific observations, due acknowledgements have been made wherever the work described in based on the findings of other investigators. Any omissions, which might have occurred by oversight or errors in judgement, are regretted.

DATE : 27/06/17

PLACE: Mysore

1. LAKSHAY S

- (4AD13ME013)

AK SLS

2. CHANDAN K R

- (4AD13ME016)

K.R. Chandan

3. CHANDAN V

- (4AD13ME017)

Chand

4. MADHU KUMAR M N

- (4AD13ME037)

# **“Design and Fabrication Of Hybrid Solar Dryer”**

*An undergraduate project report submitted to Visvesvaraya Technological University in partial fulfillment of the requirements for the award of the degree of*



## **BACHELOR OF ENGINEERING In MECHANICAL ENGINEERING**

*Submitted By*

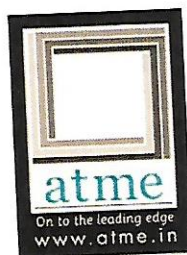
**ABISHEK GOWDA CA  
AKSHAY KUMAR S  
INFANT JOSHUA J  
NIVEDITHA L**

**4AD13ME007  
4AD13ME012  
4AD13ME029  
4AD13ME062**

*Under the Guidance of*

**Mr. TEJENDRA PRASAD**

Assistant Professor  
Department of Mechanical Engineering  
ATME College of Engineering Mysuru -570028

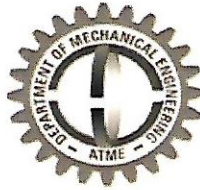


Department of Mechanical Engineering  
**A T M E. COLLEGE OF ENGINEERING**  
**MYSURU-570028**

**2016-2017**

**A T M E College of Engineering**  
**Mysuru-570028**  
**(Affiliated to Visvesvaraya Technological University, Belgaum)**

**Department of Mechanical Engineering**



***Certificate***

This is to certify that the project work entitled “**DESIGN AND FABRICATION OF HYBRID SOLAR DRYER**” is a bonafide work carried out by **ABISHEK GOWDA CA (4AD13ME007)**, **AKSHAY KUMAR S (4AD13ME012)**, **INFANT JOSHUA J (4AD13ME029)**, **NIVEDITHA L (4AD13ME062)** in partial fulfillment of the requirement for the award of Bachelor Degree in Mechanical Engineering of Vishveswarya Technological University, Belgavi, during the academic year 2016-2017. This report has been approved as it satisfies the academic requirements in respect of the “Project Work” prescribed for the degree.

**Project Guide**

**Mr. Tejendra Prasad**  
Asst. Prof.

Dept. of Mechanical Engineering  
ATMECE, Mysuru.

**Head of the Department**

**Dr. Rathnakar G**  
Professor and H O D

Dept. of Mechanical Engineering  
ATMECE, Mysuru.

**Principal**

**Dr. L. Basavaraj**

ATMECE, Mysuru.

**External Viva**

**Name of Examiners**

1. **S.S.C. Bowda**  
2. **Devaraj M.R.**

**Signature with date**

27/6/17



## DECLARATION

I ABISHEK GOWDA CA (4AD13ME007), AKSHAY KUMAR S (4AD13ME012), INFANT JOSHUA J (4AD13ME029), NIVEDITHA L (4AD13ME062) hereby declare that the entire work presented in this dissertation was carried out by me under the guidance of Mr. TEJENDRA PRASAD and no part of it has been submitted for any degree or diploma in any institution previously.

In keeping with the general practice of reporting scientific observations, due acknowledgements have been made wherever the work described is based on the findings of other investigators. Any omissions, which might have occurred by oversight or errors in judgment, are regretted.

Date: 27/06/2017

Place: Mysuru

Signature

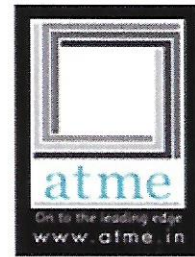
  
ABISHEK GOWDA CA  
(4AD13ME007)

  
AKSHAY KUMAR S  
(4AD13ME012)

  
INFANT JOSHUA J  
(4AD13ME029)

  
NIVEDITHA L  
(4AD13ME062)

**Visvesvaraya Technological University  
Belagavi, Karnataka-590 028**



**“DESIGN AND FABRICATION OF LEANING  
SUSPENSION”**

**A Project Report Submitted in partial fulfillment for the award**

**Bachelor of Engineering  
in  
Mechanical Engineering**

Submitted by

<b>JAFFAR KHAN S</b>	<b>(4AD13ME030)</b>
<b>MUHAMMED AFAQUE SHARIFF</b>	<b>(4AD13ME047)</b>
<b>MUHAMMED SALIK</b>	<b>(4AD13ME050)</b>
<b>MUHAMMED ZAIANULLABADIAN</b>	<b>(4AD13ME055)</b>

Under the guidance of

**Sri SURESH KUMAR S**  
**Assistant Professor**

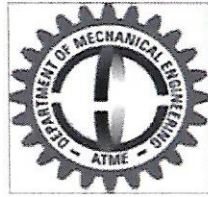
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ATME College of Engineering, Mysuru**  
**2016- 2017**



# ATME COLLEGE OF ENGINEERING, MYSURU-28

(Affiliated to Visvesvaraya Technological University, Belagavi)

## DEPARTMENT OF MECHANICAL ENGINEERING



### *Certificate*

This is to certify that the project work entitled “**DESIGN AND FABRICATION OF LEANING SUSPENSION**” is a bona-fide work carried out by **Jaffar Khan S (4AD13ME030)**, **Mohammed Afaque Shariff (4AD13ME047)**, **Mohammed Salik (4AD13ME050)**, **Mohammed Zaianullabadian (4AD13ME055)** in partial fulfillment for the award of Bachelor of Engineering in **Mechanical Engineering** of the **Visvesvaraya Technological University, Belagavi** during the academic year 2016 - 2017. It is certified that all the corrections / suggestions indicated for internal assessment have been incorporated. The project report has been approved as it satisfies the academic requirements in the respect of project work prescribed for mentioned degree.

Signature of the Guide  
**Sri Suresh Kumar S**  
Assistant Professor,  
Dept. of Mech. Engg.,  
ATMECE, Mysuru

Signature of the HOD  
**Dr. Rathnakar G**  
Professor and Head  
Dept. of Mech. Engg.,  
ATMECE, Mysuru

Signature of the Principal  
**Dr. L. Basavaraj**  
ATMECE, Mysuru

### External Viva

Name of Examiners

1. **S. S. Chikakaderegowda**  
2. **Devaraj M.R**

Signature with Date

27/6/17



# DECLARATION

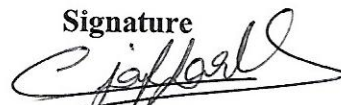
We Jaffar khan S, Mohammed Afaque Shariff, Mohammed Salik and Mohammed Zaiannullabadian hereby declare that the entire work presented in this dissertation was carried out by me under the guidance of Mr. Suresh Kumar and no part of this has been submitted for any degree or diploma in any institution previously.

In keeping with the general practice of reporting scientific observations, due acknowledgements have been made wherever the work described is based on the findings of other investigators. Any omissions, which might have occurred by oversight or errors in judgment, are regretted.

Date: 27/6/17

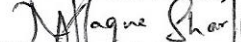
Place: MYSORE

Signature




Jaffar khan S

(4AD13ME030)



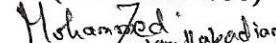
Mohammed Afaque Shariff

(4AD13ME047)



Mohammed Salik

(4AD13ME050)



Mohammed Zaiannullabadian

(4AD13ME055)

# **“Design and Fabrication of Mini Tiller”**

*An undergraduate project report submitted to Visvesvaraya Technological University in partial fulfillment of the requirements for the award of the degree of*



## **BACHELOR OF ENGINEERING In MECHANICAL ENGINEERING**

*Submitted By*

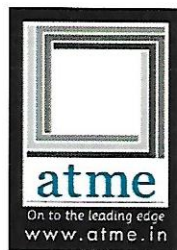
**MAHENDRA H S  
MALLIKARJUNA K R  
MANJUNATH S  
MANOHAR H S**

**USN: 4AD13ME039  
USN: 4AD13ME040  
USN: 4AD13ME041  
USN: 4AD13ME042**

*Under the Guidance of*

**Mr. RAKSHITH N**

Assistant Professor  
Department of Mechanical Engineering  
A T M E College of Engineering  
Mysuru



**Department of Mechanical Engineering**

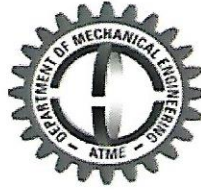
**A T M E COLLEGE OF ENGINEERING**

**MYSURU-570028**

**2016-2017**

**ATME College of Engineering**  
**Mysuru-570028**  
(Affiliated to Visvesvaraya Technological University, Belgaum)


**Department of Mechanical Engineering**




***Certificate***


This is to certify that project work entitled “Design and Fabrication of Mini Tiller” is a bonafide work carried out by **Mahendra H S** bearing USN 4AD13ME039, **Mallikarjuna K R** bearing USN 4AD13ME040, **Manjunath S** bearing USN 4AD13ME041 and **Manohar H S** bearing USN 4AD13ME042 in partial fulfillment for the award of **Bachelor of Engineering in Mechanical Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2016-2017. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

**Project Guide**

  
(Mr. Rakshith N)  
Assistant Professor  
Department of Mechanical  
Engineering  
ATMECE, Mysuru.

**Head of the Department**

  
(Dr. Rathnakar G)  
Professor and HOD  
Department of Mechanical  
Engineering  
ATMECE, Mysuru.



  
(Dr. L. Basavaraj)  
Principal  
ATMECE, Mysuru.

**External Viva**

**Name of Examiners**

- 1.....Dr.: Rathnakar . G
- 2.....Dr.: B. R. Narayana Babu

**Signature with date**

  
  
19/06/17



# DECLARATION

We Mahendra H S, Mallikarjuna K R, Manjunath S and Manohar H S hereby declare that the entire work presented in this dissertation was carried out by me under the guidance of Mr. RAKSHITH N and no part of it has been submitted for any degree or diploma in any institution previously.

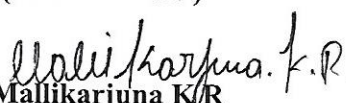
In keeping with the general practice of reporting scientific observations, due acknowledgements have been made wherever the work described is based on the findings of other investigators. Any omissions, which might have occurred by oversight or errors in judgment, are regretted.


Date: 24/06/2017


Place: Mysuru

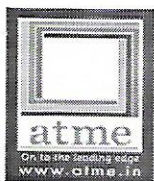
Signature

  
Mahendra H S  
(4AD13ME039)

  
Mallikarjuna K R  
(4AD13ME040)

  
Manjunath S  
(4AD13ME041)

  
Manohar H S  
(4AD13ME026)

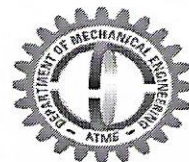


# ATME College of Engineering

13<sup>th</sup> KM stone, Bannur Road, Mysore – 28

Ph. No. : 0821-2593327, Off: 2593335, Fax:0821-2593328.

[www.atme.in](http://www.atme.in)



## Department of Mechanical Engineering

### List of Funded Projects 2016-17

Sl No	Title of the project	Guide	Applied Agency	Amount Sanctioned	Status	Remarks
1	Hybrid Energy production system using solar wind and hydro energy sources	Prof Mohanakumara	KSCST	Rs 7000/-	Project Completed	
2	Design And Analysis On Minimization Of Ploughing Force Using Vibration Techniques	Prof Yathisha N	KSCST	Rs 7000/-	Project Completed	
3	Design and Fabrication of Coin Operated Portable Water Vending Machine	Prof Rakshith N	KSCST	Rs 7000/-	Project Completed	
4	Design And Fabrication Of Horizontal Drum Pedal Powered Washing Machine	Prof Swarnakiran	KSCST	Rs 7000/-	Project Completed	

*A. Pallavi*

Head of Department of Mechanical Engineering  
ATME College of Engineering, Mysore

# **"SOLAR AGRICULTURAL WATER PUMPING SYSTEM"**

A undergraduate project report submitted to Visvesvaraya Technological University in partial fulfillment of the requirement for the award of the degree of



## **BACHELOR OF ENGINEERING In MECHANICAL ENGINEERING**

Submitted by

<b>PRASHANTH H</b>	<b>USN: 4AD13ME068</b>
<b>RAGHAVENDRA V</b>	<b>USN: 4AD13ME071</b>
<b>SACHIN A G</b>	<b>USN: 4AD13ME081</b>
<b>SACHIN M V</b>	<b>USN: 4AD13ME082</b>

Under the guidance of

**Mr. MD NADEEM M**

Assistant Professor

Dept of Mechanical Engineering

A T M E College of Engineering

Mysuru



**Department of Mechanical Engineering  
A T M E COLLEGE OF ENGINEERING  
MYSURU-570028  
2016-2017**



# A T M E College of Engineering

Mysuru-570028

(Affiliated to Visvesvaraya Technological University, Belgaum)

Department of Mechanical Engineering



## Certificate

This is to certify that project work entitled “SOLAR AGRICULTURAL WATER PUMPING SYSTEM” is a bona-fide work carried out by PRASHANTH H (4AD13ME068), RAGHAVENDRA V (4AD13ME071), SACHIN A G (4AD13ME081), SACHIN M V (4AD13ME082) in partial fulfillment of the requirement or the award of **Bachelor of engineering** in Mechanical Engineering of the **Visvesvaraya Technological University, Belagavi**, during the academic year 2016-2017. It is certified that all corrections/suggestions indicated for internal Assessment have been incorporated in the report deposited in the departmental library. This report has been approved as it satisfies the academic requirements in respect of the “Technical Seminar Work” prescribed for the said degree.

Signature of Project Guide

Mr. MD NADEEM M

Assistant Professor

Dept. of Mechanical Engineering

ATMECE, Mysuru

Signature of HOD

Dr. RATHNAKAR G

Professor, H O D

Dept. of Mechanical Engineering

ATMECE, Mysuru

Signature of Principal

Dr. L BASAVARAJ

ATMECE, Mysuru

## External Viva

Name of the Examiners

1. Dr. Rathnakar G

2. M. M. Bernal

Signature with date

28.6.17

## DECLARATION

We Prashanth H (4ad13me068), Raghavendra V (4ad13me071), Sachin A G (4ad13me081), Sachin m v (4ad13me082) hereby declare that the entire work presented in this dissertation was carried out by us under the guidance of Asst. Prof. Mr. MD Nadeem M and no part of it has been submitted for any degree or diploma in any institution previously.

In keeping with the general practice of reporting scientific observations, due acknowledgement has been made wherever the work describe is based on the findings of other investigator. Any omissions, with might have occurred by oversight or error in judgment, regretted.

Date:

Place:

Signature

*Prashanth H*

PRASHANTH H

*Raghavendra V*  
RAGHAVENDRA V

*Sachin A G*  
SACHIN A G

*Sachin M V*  
SACHIN M V

***1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years.***

**ATME COLLEGE OF ENGINEERING**

**Index Sheet**

SL No.	Particulars
1.	Industry Visit – Department of Civil Engineering
2.	Industry Visit – Computer Science Engineering
3.	Industry Visit – Department of Electronics & Communication Engineering
4.	Industry Visit – Department of Electrical & Electronics Engineering
5.	Industry Visit – Department of Mechanical Engineering





A T M E  
College of Engineering



To,

Date: 5/11/2016

The Principal  
ATMECE, Mysuru

Respected Sir,

Sub: - Regarding technical site visit to BMRCL.

With reference to above cited subject, students of Civil Engineering Department are visiting BMRCL for technical site visit on November 8<sup>th</sup> 2016. So we have collected Rs.500/- as Metro visiting charge and Rs.300/- as expenditure for 37 students. Hence I kindly request you to give permission in this regard and oblige.

Expenditure:- Rs.18,500/- for Metro visiting charges

Rs. 11,100/- for bus fare

Total = Rs 29,600/-

Deputing Staff:-

1. Manu Vijay, Assistant Professor & HOD
2. Pradeep Kumar K J, Assistant Professor
3. Srivathsa H U, Assistant Professor

Thank you,

Approved  
Manu Vijay  
5/11/16

Sincerely  
  
Manu Vijay  
Civil Engineering Dept.  
ATMECE, Mysuru



# A T M E

College of Engineering

Department of Computer Science & Engineering



To,  
The Managing Director  
Effia Technologies (I) Pvt. Ltd  
Bangalore – 560 052

Date: 01/07/2016

Dear Sir,

**Sub: Industrial Visit - Request for grant of permission**

ATME College of Engineering has become synonymous for outstanding education facilities offered, which is the best among the many other Engineering colleges in Mysuru, Karnataka. The College offers five under graduate courses EC, CS&E, Mech, EE and CV.

As a part of curriculum, the students are required to visit prominent industries and companies for the practical exposure and insights to the real working environment.

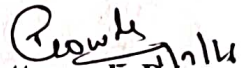
In this regard, we would like to send a batch of about 25 students of CS&E branch of III year accompanied by 2 staff members to visit your esteemed organization preferably on Aug 29<sup>th</sup>, 2016.

I request you to grant permission for the visit and please arrange for a guide at your organization.

Thanking you and looking forward for positive response.

Thanking You,

Yours faithfully,

  
Dr. Puttegowda D  
Prof & HOD,  
Dept. of CS&E

**Academy for Technical & Management Excellence**

13<sup>th</sup> Kilometer, Mysore – Kanakapura – Bangalore Road, Mysore- 570 028 P : 0821-2593335 F : 0821-2593328

E-Mail : csdept@atme.in

Web : www.atme.in





EFFIA Technologies India Pvt. Ltd.  
Unit-301, 3<sup>rd</sup> Floor,  
HM Geneva House,  
#14, Cunningham Road,  
Bangalore -560052.  
Off: (91) 80 4096 5076  
www.effia.co.in

**Date: 08/07/2016**

**To,  
The Head Of Department  
Department of CS&E  
ATME College of Engineering  
MYSURU – 570 028**

Dear Sir,

**Sub: Industrial Visit Permission**

We're pleased that the pre-final year students of your department are interested in visiting our organization to learn more about us and to get familiarize with the real time software development process at industry. I would like to schedule the visit on Aug 12<sup>th</sup>, 2016, 10.30 AM.

We hope to make this experience one that will be useful to you and your students to help educate them regarding software development process.

Please note that Ms.Pushpavathi will be the point of contact for your team and she has been appointed to train and give information about the solutions.

Thank you for your interest.

Yours faithfully,

For Effia Technologies India Private Limited







# A T M E

College of Engineering



## Department of Computer Science & Engineering

### ACCOMPANYING FACULTIES:

1. Mrs. Sowmya Shree P  
Assistant Professor  
Department of Computer Science & Engineering,  
ATME College of Engineering, Mysuru-570028
2. Mrs. Nasreen Fathima  
Assistant Professor  
Department of Computer Science & Engineering,  
ATME College of Engineering, Mysuru-570028

### LIST OF STUDENTS:

List of 7<sup>th</sup> Semester Students for visiting Effia Technologies, Bengaluru

Number of Students: 30

SL NO	USN	NAME
1	4AD11CS041	SARVANAND P JANNU
2	4AD13CS072	SHABIHA AKHTAR
3	4AD13CS073	SHAHID KHAN
4	4AD13CS076	SHASHIKIRAN B
5	4AD13CS077	SHIVANI R PAWAR
6	4AD13CS078	SHRAVYA V
7	4AD13CS079	SHRIKANTH K L
8	4AD13CS080	SHWETHA B S
9	4AD11CS419	SMITHA M C
10	4AD13CS081	SOWJANYA V
11	4AD13CS082	SOWMYA RAI
12	4AD13CS083	SPOORTHY J K
13	4AD13CS084	SRIKANTH S
14	4AD12CS045	SUBHASH T
15	4AD13CS085	SUBIYA FARZEEN
16	4AD13CS086	SUKANYA PRAMOD
17	4AD13CS087	SUMAIRA NOOR
18	4AD13CS088	SUNEEL S
19	4AD13CS090	SUPRITHA M S
20	4AD13CS092	SYED SHADAB MOHAMMED



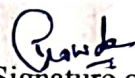
# A T M E

College of Engineering



## Department of Computer Science & Engineering

21	4AD14CS412	TAMSEER AHMED R
22	4AD13CS093	TANMAI K S
23	4AD13CS095	THEJAS R J
24	4AD14CS415	USHA
25	4AD13CS096	VARSHA S
26	4AD13CS097	VARSHA S
27	4AD13CS098	VIDYA U
28	4AD13CS099	VIJETHA R
29	4AD13CS100	VIKAS B K
30	4AD13CS101	VINUTHA K M

  
Signature of HOD  
HOD

Dept. of Computer Science & Engg  
ATME College of Engineering  
Tysuru-570028





**A T M E**  
College of Engineering



## Department of Computer Science & Engineering

### Attendance Sheet

Date: 12<sup>th</sup> August 2016

List of 7<sup>th</sup> Semester Students for visiting Effia Technologies, Bengaluru on 12<sup>th</sup> August, 2016

Number of Students: 30

Place & Time of Departure: 6.00 AM, ATME College of Engineering, Mysuru

SL NO	USN	NAME	STUDENT'S SIGNATURE
1	4AD11CS041	SARVANAND P JANNU	
2	4AD13CS072	SHABIHA AKHTAR	
3	4AD13CS073	SHAHID KHAN	
4	4AD13CS076	SHASHIKIRAN B	
5	4AD13CS077	SHIVANI R PAWAR	
6	4AD13CS078	SHRAVYA V	
7	4AD13CS079	SHRIKANTH K L	
8	4AD13CS080	SHWETHA B S	
9	4AD11CS419	SMITHA M C	
10	4AD13CS081	SOWJANYA V	
11	4AD13CS082	SOWMYA RAI	
12	4AD13CS083	SPOORTHY J K	
13	4AD13CS084	SRIKANTH S	
14	4AD12CS045	SUBHASH T	
15	4AD13CS085	SUBIYA FARZEEN	
16	4AD13CS086	SUKANYA PRAMOD	
17	4AD13CS087	SUMAIRA NOOR	
18	4AD13CS088	SUNEEL S	
19	4AD13CS090	SUPRITHA M S	
20	4AD13CS092	SYED SHADAB MOHAMMED	
21	4AD14CS412	TAMSEER AHMED R	
22	4AD13CS093	TANMAI K S	
23	4AD13CS095	THEJAS R J	
24	4AD14CS415	USHA	
25	4AD13CS096	VARSHA S	
26	4AD13CS097	VARSHA S	
27	4AD13CS098	VIDYA U	





# ATME

College of Engineering



## Department of Computer Science & Engineering

28	4AD13CS099	VIJETHA R	VIJETHA R
29	4AD13CS100	VIKAS B K	Vikas B K
30	4AD13CS101	VINUTHA K M	Vinutha K.M

No of Candidates Absent:

Accompanying Faculty: 02

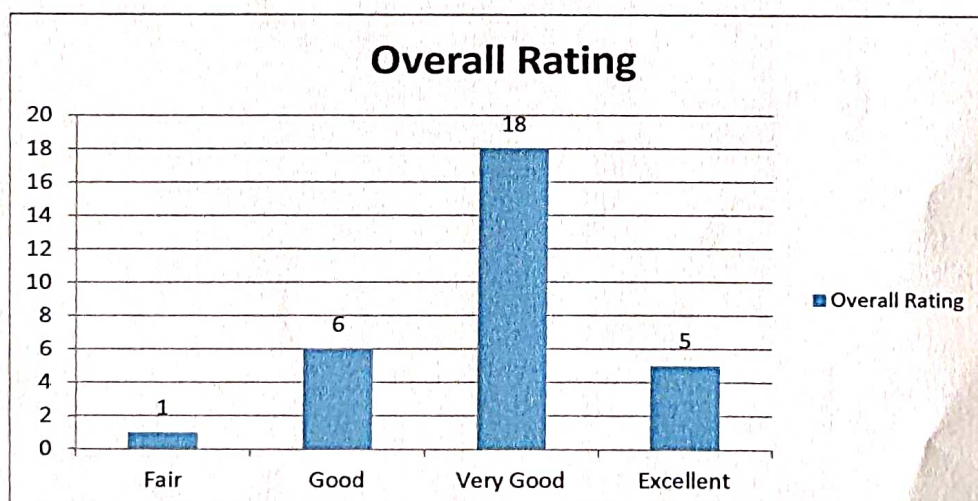
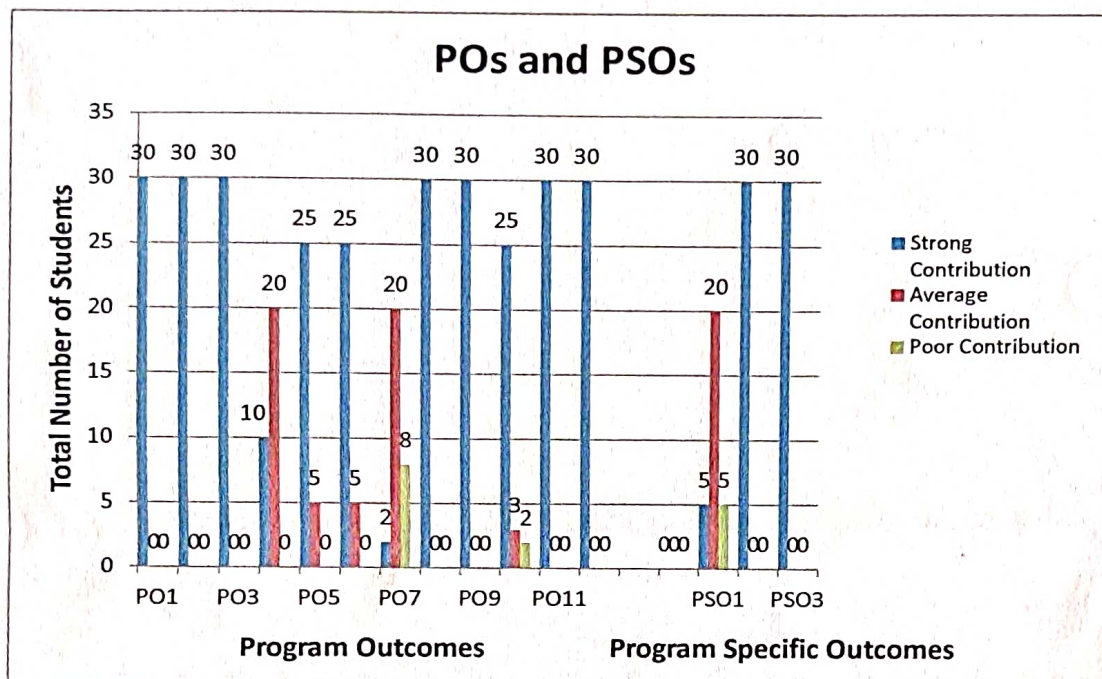
SL.NO	NAME	DESIGNATION	DEPARTMENT	SIGN
1	Mrs. Sowmya Shree P	Assistant Professor	Department of Computer Science & Engineering, ATME College of Engineering, Mysuru-570028	
2	Mrs. Nasreen Fathima	Assistant Professor	Department of Computer Science & Engineering, ATME College of Engineering, Mysuru-570028	

Place & Time of Return: 4:30 PM, ATME College of Engineering, Mysuru

Signature of HOD  
HOD

Dept. of Computer Science & Engg  
ATME College of Engineering  
Mysuru-570028

**Industrial Visit to Effia Technologies Pvt Ltd - 2016-17**  
**Feedback Analysis**



*Proode*  
**HOD**



Shashidhar Gokhale &lt;shashisg@gmail.com&gt;

---

**BARC visit****Shashidhar Gokhale** <shashisg@gmail.com>

Thu, Sep 22, 2016 at 10:22 AM

To: ramps@barc.gov.in

Cc: Bhagya Shree R &lt;srbhagyashree@yahoo.co.in&gt;, Balasubramanya BARC &lt;habalu@barc.gov.in&gt;

Dear Sir,

Thank you very much for acceptance of industrial visit to your facility. We will visit BARC on Tuesday, 4th October, 2016. As spoken over phone, sorry for the delay in replying to your e-mail.

Best Regards,  
Shashidhar S Gokhale

On Wed, Sep 14, 2016 at 4:38 PM, <ramps@barc.gov.in> wrote:

Dear Dr Shasidhar,

we are happy to interact with the budding engineers of your college for a 1-day visit to BARC, Mysore. Nice to see that you have trimmed the group size to ~ 40. Unfortunately, our Project Director will not be available on 28th Sep and hence, I request you to confirm your willingness to visit us on 3rd or 4th October 2016 .

Kindly reply at the earliest.

warm regards

Ram Prasad



From,

Shashidhar S Gokhale,

Asst. Professor / Industrial visit coordinator,

Department of ECE, ATME, Mysore

Thru' HOD, Department of ECE

To,

The Principal,

ATME College of Engineering,

13<sup>th</sup> Km Stone, Bannur Road,

Mysore-570 028

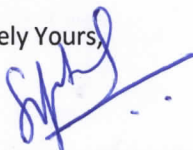
Dear Sir,

Sub: Request for permission and transport facility for Industrial Tour to 3<sup>rd</sup>, 5<sup>th</sup> and 7<sup>th</sup> semester E&C students to BARC (RMS), Mysore

I am happy to inform you that I got permission to take our students to BARC (RMS), Mysore for an industrial visit. The number of students is limited to forty (40). So we have selected seventeen (17) students from 7<sup>th</sup> semester and fifteen (15) students from 5<sup>th</sup> semester based on their marks in previous semester (toppers) as well as eight (8) students from 3<sup>rd</sup> semester based on their marks in Basic Electronics subject. The visit is on Tuesday, 4<sup>th</sup> October, 2016 from morning 10 AM to evening 4 PM (full day). Afternoon Lunch is provided by the company free of cost. An amount of Rs. 30/- will be collected from students who does not make use of college bus facility. We will be leaving the College at 9:15 AM and we are planning to return to College at around 4:45 PM. We are giving an option to the students with in the city to alight on their way back to the College. I request you to kindly oblige this and grant permission. I also request you to kindly provide one College bus to take students.

Thanking You.

Sincerely Yours,



(Shashidhar S Gokhale)

Mysore

Dt. 29<sup>th</sup> Sep., 2016

Enclosures:

- (1) Mail correspondence
- (2) List of students

*Forwarded to Principal*

*Approved*

*[Signature]*  
29/9/16

*[Signature]*  
29/9/16  
HOD  
Dept. of Electronics &  
Communication Engg.  
ATME College of Engineering  
MYSORE-570028



Shashidhar Gokhale &lt;shashisg@gmail.com&gt;

---

**BARC visit****Shashidhar Gokhale** <shashisg@gmail.com>

Thu, Sep 22, 2016 at 10:22 AM

To: ramps@barc.gov.in

Cc: Bhagya Shree R &lt;srbhagyashree@yahoo.co.in&gt;, Balasubramanya BARC &lt;habalu@barc.gov.in&gt;

Dear Sir,

Thank you very much for acceptance of industrial visit to your facility. We will visit BARC on Tuesday, 4th October, 2016. As spoken over phone, sorry for the delay in replying to your e-mail.

Best Regards,  
Shashidhar S Gokhale

On Wed, Sep 14, 2016 at 4:38 PM, <ramps@barc.gov.in> wrote:

Dear Dr Shasidhar,

we are happy to interact with the budding engineers of your college for a 1-day visit to BARC, Mysore. Nice to see that you have trimmed the group size to ~ 40. Unfortunately, our Project Director will not be available on 28th Sep and hence, I request you to confirm your willingness to visit us on 3rd or 4th October 2016 .

Kindly reply at the earliest.

warm regards

Ram Prasad

List of Students visiting BARC, Mysore from ATME College of Engineering Mysore on 4<sup>th</sup> October, 2016:

Sl. No.	Name	USN	Age (in years)	Sex	Class
1	HABEEBA BANU A	4AD13EC028	22	F	7 <sup>th</sup> sem "A"
2	KRUPA M K	4AD13EC036	22	F	7 <sup>th</sup> sem "A"
3	DILIP KUMAR M.D	4AD14EC413	22	M	7 <sup>th</sup> sem "A"
4	JAYASHREE N	4AD13EC031	22	F	7 <sup>th</sup> sem "A"
5	DHANUSH M K	4AD13EC022	22	M	7 <sup>th</sup> sem "A"
6	GOUTHAM L	4AD13EC026	22	M	7 <sup>th</sup> sem "A"
7	CHANDRAKALA V	4AD13EC018	22	F	7 <sup>th</sup> sem "A"
8	CHAITHANYA LAKSHMI S	4AD13EC016	22	F	7 <sup>th</sup> sem "A"
9	SUKRUTHA A JAIN	4AD13EC081	22	F	7 <sup>th</sup> sem "B"
10	UMAMAHESHWARI P R	4AD14EC456	22	F	7 <sup>th</sup> sem "B"
11	SUSHMITHA K B	4AD13EC084	22	F	7 <sup>th</sup> sem "B"
12	POOJA R	4AD13EC057	22	F	7 <sup>th</sup> sem "B"
13	PRIYA M A	4AD13EC059	22	F	7 <sup>th</sup> sem "B"
14	PRIYANKA H M	4AD13EC060	22	F	7 <sup>th</sup> sem "B"
15	MARAM REDDY JAHNAVI	4AD13EC047	22	F	7 <sup>th</sup> sem "B"
16	SUSHMITHA H L	4AD13EC083	22	F	7 <sup>th</sup> sem "B"
17	NIRMALA M	4AD13EC053	22	F	7 <sup>th</sup> sem "B"
18	MANJUSHREE V	4AD14EC025	21	F	5 <sup>th</sup> Sem "A"
19	ANAGHA V	4AD14EC001	21	F	5 <sup>th</sup> Sem "A"
20	MANOJ C S	4AD14EC026	21	M	5 <sup>th</sup> Sem "A"
21	JAYASHREE M R	4AD14EC016	21	F	5 <sup>th</sup> Sem "A"
22	YAMUNA K	4AD14EC066	21	F	5 <sup>th</sup> Sem "B"
23	SUSHMA S	4AD14EC061	21	F	5 <sup>th</sup> Sem "B"
24	SINDHU C	4AD14EC055	21	F	5 <sup>th</sup> Sem "B"
25	SWATHI B	4AD14EC062	21	F	5 <sup>th</sup> Sem "B"
26	NIVEDITHA G B	4AD14EC036	21	F	5 <sup>th</sup> Sem "B"
27	SUPREETH S	4AD15EC470	21	M	5 <sup>th</sup> Sem "B"
28	PRIYA PRASAD	4AD14EC042	21	F	5 <sup>th</sup> Sem "B"
29	BHUMIKA L	4AD14EC010	21	F	5 <sup>th</sup> Sem "B"
30	NISARGA S MALIGE	4AD14EC033	21	F	5 <sup>th</sup> Sem "B"
31	KAVYASHREE M G	4AD14EC018	21	F	5 <sup>th</sup> Sem "A"
32	KARTHIK S	4AD14EC017	21	M	5 <sup>th</sup> Sem "A"
33	ABHISHEK TRIPETHI	4AD15EC001	20	M	3 <sup>rd</sup> Sem "A"
34	BINDUSHREE H S	4AD15EC010	20	F	3 <sup>rd</sup> Sem "A"
35	DHANUSH M M	4AD15EC014	20	M	3 <sup>rd</sup> Sem "A"
36	DIVYA	4AD15EC016	20	F	3 <sup>rd</sup> Sem "A"
37	KHANSA VALI	4AD15EC030	20	F	3 <sup>rd</sup> Sem "A"
38	LIKESH M C	4AD15EC032	20	M	3 <sup>rd</sup> Sem "A"
39	SHIVAKUMAR J GANJI	4AD15EC071	20	M	3 <sup>rd</sup> Sem "B"
40	SHOBHITHA N	4AD15EC073	20	F	3 <sup>rd</sup> Sem "B"

Shiv S. (5<sup>th</sup> B)  
(4AD15EC463)

39-15=24

List of Accompanying Faculty:

Sl. No.	Name	Employee No.	Age (in years)	Sex	Designation
1	Shashidhar S Gokhale	EC01008	58	M	Asst. Professor
2	Darshini M B	EC01034	2	F	Asst. Professor



List of Students visiting BARC, Mysore from ATME College of Engineering Mysore on 4<sup>th</sup> October, 2016:

Sl. No.	Name	USN	Age (in years)	Sex	Class
1	HABEEBA BANU A	4AD13EC028	22	F	7 <sup>th</sup> sem "A"
2	KRUPA M K	4AD13EC036	22	F	7 <sup>th</sup> sem "A"
3	DILIP KUMAR M.D	4AD14EC413	22	M	7 <sup>th</sup> sem "A"
4	JAYASHREE N	4AD13EC031	22	F	7 <sup>th</sup> sem "A"
5	DHANUSH K	4AD13EC022	22	M	7 <sup>th</sup> sem "A"
6	GOUTHAM L	4AD13EC026	22	M	7 <sup>th</sup> sem "A"
7	CHANDRA KALA V	4AD13EC018	22	F	7 <sup>th</sup> sem "A"
8	CHAITANYA LAKSHMI S	4AD13EC016	22	F	7 <sup>th</sup> sem "A"
9	SUKRISHA A JAIN	4AD13EC081	22	F	7 <sup>th</sup> sem "B"
10	UMAMHESHWARI P R	4AD14EC456	22	F	7 <sup>th</sup> sem "B"
11	SUSITHA K B	4AD13EC084	22	F	7 <sup>th</sup> sem "B"
12	POOJA R	4AD13EC057	22	F	7 <sup>th</sup> sem "B"
13	PRIYAMA A	4AD13EC059	22	F	7 <sup>th</sup> sem "B"
14	PRANKA H M	4AD13EC060	22	F	7 <sup>th</sup> sem "B"
15	MURAM REDDY JAHNAVI	4AD13EC047	22	F	7 <sup>th</sup> sem "B"
16	SHRIMITHA H L	4AD13EC083	22	F	7 <sup>th</sup> sem "B"
17	IRMALA M	4AD13EC053	22	F	7 <sup>th</sup> sem "B"
18	MANJUSHREE V	4AD14EC025	21	F	5 <sup>th</sup> Sem "A"
19	ANAGHA V	4AD14EC001	21	F	5 <sup>th</sup> Sem "A"
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22	YAMUNA K	4AD14EC066	21	F	5 <sup>th</sup> Sem "B"
23	SUSHMA S	4AD14EC061	21	F	5 <sup>th</sup> Sem "B"
24	SINDHU C	4AD14EC055	21	F	5 <sup>th</sup> Sem "B"
25	SWATHI B	4AD14EC062	21	F	5 <sup>th</sup> Sem "B"
26	NIVEDITHA G B	4AD14EC036	21	F	5 <sup>th</sup> Sem "B"
27	SUPREETH S	4AD15EC470	21	M	5 <sup>th</sup> Sem "B"
28	PRIYA PRASAD	4AD14EC042	21	F	5 <sup>th</sup> Sem "B"
29	BHUMIKA L	4AD14EC010	21	F	5 <sup>th</sup> Sem "B"
30	NISARGA S MALIGE	4AD14EC033	21	F	5 <sup>th</sup> Sem "B"
31	KAVYASHREE M G	4AD14EC018	21	F	5 <sup>th</sup> Sem "B"
32	KARTHIK S	4AD14EC017	21	M	5 <sup>th</sup> Sem "B"
33	ABHISHEK TRIPETHI	4AD15EC001	20	M	3 <sup>rd</sup> Sem "A"
34	BINDUSHREE H S	4AD15EC010	20	F	3 <sup>rd</sup> Sem "A"
35	DHANUSH M M	4AD15EC014	20	M	3 <sup>rd</sup> Sem "A"
36	DIVYA	4AD15EC016	20	F	3 <sup>rd</sup> Sem "A"
37	KHANSA VALI	4AD15EC030	20	F	3 <sup>rd</sup> Sem "A"
38	LIKESH M C	4AD15EC032	20	M	3 <sup>rd</sup> Sem "A"
39	SHIVAKUMAR J GANJI	4AD15EC071	20	M	3 <sup>rd</sup> Sem "B"
40	SHOBHITHA N	4AD15EC073	20	F	3 <sup>rd</sup> Sem "B"

Amount paid

30/- paid

30/- paid

30/- paid

30/- paid

30/- paid

30/- paid

4AD15EC083

30/- paid

30/- paid

30/- paid

30/- paid

30/- paid Shiva 30/- paid 4AD15EC470

30/- paid

Absent

29/9/16

1) Nisarga Smalige

2) Pooja R

25+14 →

# SELECTION CRITERION FOR BARC PARTICIPANTS

7th sem A & B section

No.	Student name	%
1	Sukrutha A jain	80.89
2	Habeeba banu	76.89
3	Krupa M K	76.11
4	Umamaheshwari	75.78
5	Sushmitha K B	75.44
6	Pooja R	73.33
7	Dilip kumar M D	72.22
8	Priya M A	70.33
9	Jayashree N	69.22
10	Priyanka H M	68.67
11	Dhanush M K	68.56
12	Goutham L	68.44
13	Chandrakala V	68.33
14	Maram reddy jahnavi	67.78
15	Chaithanya lakshmi S	67.78

5th sem A & B section

No	Student name	%
1	Yamuna K B	81.11
2	Sushma S B	78.89
3	Sindhu C B	73.89
4	Manjushree v A	73.78
5	Swathi B B	72.44
6	Niveditha G B	72.44
7	Supreeth S B	70.44
8	Anagha V A	70.33
9	Manoj C S A	70.22
10	Jayashree M R	69.33
11	Priya prasad B	69.22
12	Bhumika L A	68
13	Nisarga S malige B	67.89
14	Kavyashree M G A	
15	Karthik S A	

<del>16</del>	<del>Karthik M</del>	
16	Sushmitha HL	604 B
17	Nismala M	602 B

Shriya S 603  
 Aspitha J 602  
 Rakshitra N 600

— Sharadhar S. Gokhale



### III Semester

- 1) 4ADISEC001 Abhishek Tripathi
- 2) 010 Bindushree HS
- 3) 014 Dhanush MM
- 4) 016 Divya
- 5) 030 Khansa Veli
- 6) 032 Likesh M.C.

- 
- 7) 071 shivakumar S Ganji — B
  - 8) 073 Shobhit N — B
-



Shashidhar S Gokhale

Industrial visit coordinator,

Asst. Professor, Dept. of ECE,

ATME College of Engineering, Mysore

Thru': HOD, Department of ECE

To,

The Principal,

ATME, Mysore

Dear Sir,

Sub: Payment of amount to College towards Bus facility for Industrial visit for ECE students of odd semester of 2016-17

We had arranged industrial visit to BARC, Mysore for selected ECE students on 4<sup>th</sup> October, 2016. Details are as below:

Total number of students (1)	Paid for college bus (2)	Remaining students (3) = (1) - (2)	Collected by one person (4) (in Rupees)	Total amount (5) = (3) * (4) (in Rupees)
39	15	24	30	720.00

I am paying the amount of Rs.720/- (Rupees seven hundred twenty only) herewith.

Thanking You.

Sincerely Yours,



(Shashidhar S Gokhale)

Dt. 21<sup>st</sup> March, 2017

To, The Principal Sir,  
Amounted for the needful  
Dtd 27/3/17

TO

A/c



27/3/17

Cash Received 720/- Rs. (Seven hundred twenty only)  
on 27/03/2017. Pawthor.  
27/3/17





# ATME College of Engineering

## INDUSTRIAL VISIT STUDENT FEEDBACK FORM

Format No.	ACD28
Issue No.	01
Rev. No.	00

1. Name of the student: Bhumika L
2. USN: 4AD14ECO10
3. Date of industrial visit: 4/10/16
4. Place of industrial visit: BARC Mysore
5. Names and Designations of Staffs-in-charge: Darshini Mam, Shashidhar Sir
6. Was this your first industrial visit?  
☒ Yes ☐ No
7. Was this visit technically helpful to you?  
☒ Yes ☐ No
8. Give overall rating of industrial visit on the scale of 1-10. (1-Least, 10-Most) 10
9. Was the industrial visit co-coordinator co-operative with you?  
☒ Yes ☐ No ☐ Somewhat ☐ Prefer not to say
10. Did the industrial visit was as per your expectations?  
☒ Yes ☐ No ☐ Somewhat ☐ Prefer not to say
11. Do you like for this type of visits in future?  
☒ Yes ☐ No
12. Describe the knowledge you gained from the trip in few words.

We get to know how purification of Uranium & knowledge about radioactive element & we also get to know the radioactive elements are also helpful than destructive

13. If you have any preferences of Industry to which you wish to go for an industrial visit provide the name of those industries.

DMS, VLSI Industries

Bhumika L

Signature of the Student



## REPORT ON INDUSTRIAL VISIT TO BARC (Bhabha Atomic Research Centre), Mysore

BARC, Mysore, popularly known as RMP (Rare Materials Plant) was not open to public till very recently. They started opening to public visits i.e. to students only very recently starting from 2015 onwards. Hence, some of the students of ATMECE were very lucky enough to get a chance to visit this organization. Since the number of students that can be taken was limited to forty, we had to use some criterion to select the participants. Forty students of 3<sup>rd</sup>, 5<sup>th</sup> and 7<sup>th</sup> semester were selected depending on the marks they obtained in their previous semester. We got the permission to visit RMP plant on Tuesday, 4<sup>th</sup> October, 2016. From morning 9 AM to evening 4 PM (full day). We are grateful to Mr. Balasubramanya from BARC, Mysore who was instrumental in getting us the permission as well as one of a group who hosted us in their facility throughout our tour.

Mr. Shashidhar S Gokhale and Ms. Darshini B M, Asistant Professors, Dept. Of ECE, ATMECE accompanied the students during this visit.

### **About BARC:**

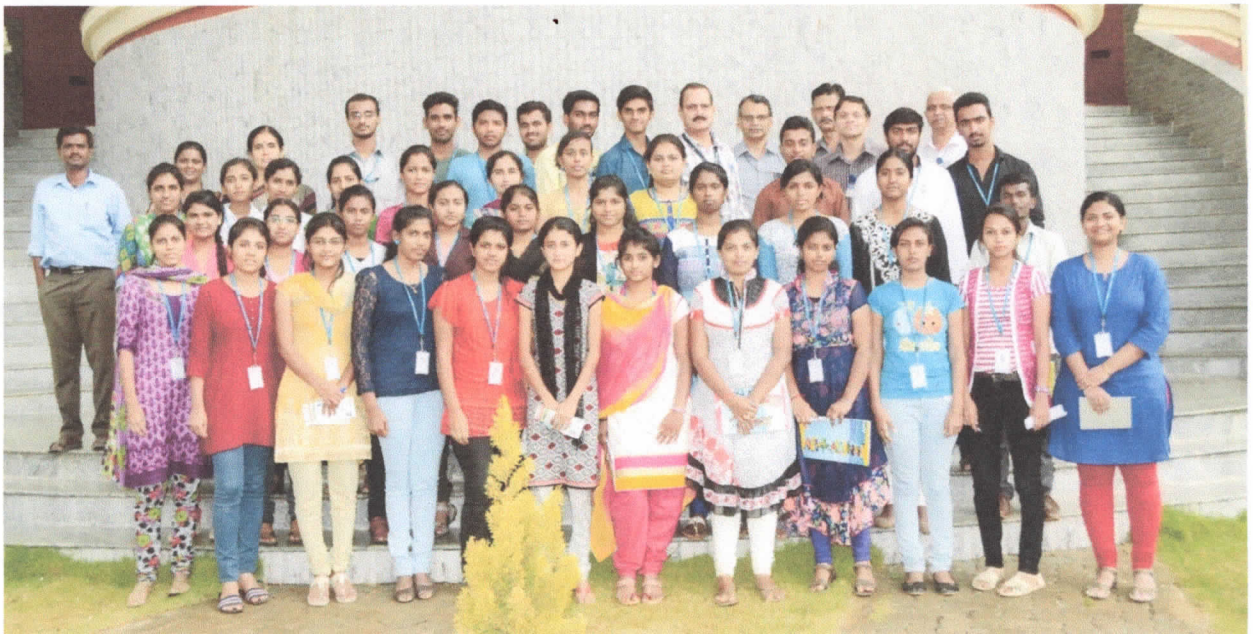
Dr. Homi Jehangir Bhabha conceived the Nuclear Program in India. Dr Bhabha established the Tata Institute of Fundamental Research (TIFR) for carrying out nuclear science research in 1945. To intensify the effort to exploit nuclear energy for the benefit of the nation, Dr Bhabha established the Atomic Energy Establishment, Trombay (AEET) in January 1954 for multidisciplinary research program essential for the ambitious nuclear program of India. After the sad demise of Bhabha in 1966, AEET was renamed Bhabha Atomic Research Centre (BARC).

### **About RMP, Mysore:**

The Rattehalli Rare Materials Plant (RMP) is one of two uranium enrichment facilities in India; the other is located at the Bhabha Atomic Research Center's (BARC) Trombay complex. Construction of the pilot-scale gas centrifuge enrichment facility at Rattehalli (near Mysore, Karnataka) began in the late 1980s, took four years to complete, and began operating sometime in 1990. The plant is operated by Indian Rare Earths Limited (IREL), which is a subsidiary of the Department of Atomic Energy (DAE). The DAE confirmed the existence of the plant in 1992. The plant operates several hundred domestically produced sub-critical centrifuge rotor



assemblies. The Uranium Corporation of India Ltd (UCIL) delivers processed yellowcake to the plant, where it is converted to uranium hexafluoride, which is then processed through a gas centrifuge to produce enriched uranium. The byproduct of the process, depleted uranium, is then transported back to UCIL for disposal in the mines of the Bihar district. The output of the Rattehalli Plant is estimated at fewer than three separate work units per machine per year, making the plant capable of yielding several kilograms of highly enriched uranium (HEU) per year. In 1997, *Nuclear Fuel* reported that the DAE was preparing to build and install new improved rotor assemblies at the plant due to unspecified operational difficulties (these new rotor assemblies may have been based on experimental work at BARC that centered on supercritical centrifuges). Indian officials have claimed that the facility has been earmarked to provide 30-45 percent enriched uranium for reactors aboard future Indian nuclear submarines.



The place is well guarded with high security. No one is allowed to take cameras, mobiles, any sorts of programming/copying devices inside. The pictures were taken by the RMP personnel themselves and provided to us. The above picture shows the ATME group visited along with BARC scientists who accompanied us during the tour.

After the tour inside their plant, there was a question and answer session arranged. The two pictures depict this session.





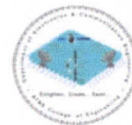
Report by:

**Shashidhar S Gokhale**

Industrial Visit Coordinator

Assistant Professor, Dept. Of ECE,

ATMECE, Mysuru – 570 028.



## *Impact Analysis of Industrial Visits*

**Places visited during 2016-17:**

Sl. No.	Date	Class	Place	PO's	PSO's
1	4 <sup>th</sup> October, 2016	3 <sup>rd</sup> , 5 <sup>th</sup> and 7 <sup>th</sup> Semester	Bhabha Atomic Research Centre (BARC), Mysore	6,9,10,11,12	2,3,4

### **Impact on Results:**

Difficult to carry out impact analysis as it is a select group of students (13 each) from three semesters of 3<sup>rd</sup>, 5<sup>th</sup> and 7<sup>th</sup> semesters and the tour is on manufacturing operation. The plant operates several hundred domestically produced sub-critical centrifuge rotor assemblies. The Uranium Corporation of India Ltd. (UCIL) delivers processed yellowcake to the plant, where it is converted to uranium hexafluoride, which is then processed through a gas centrifuge to produce enriched uranium which will be used for reactors aboard Indian nuclear submarines. The knowledge of the process will enable students to answer the questions in a better way while facing written tests as well as interviews in related sectors.

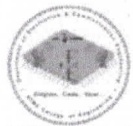
*RB*  
HOD  
Dept. of Electronics &  
Communication Engg.  
ATME College of Engineering  
MYSORE-570028





# ATME COLLEGE OF ENGINEERING

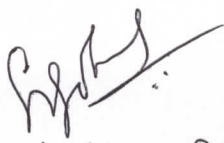
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING




ACADEMIC YEAR 2015-16

## Mapping of POs and PSOs for Industrial Visit

Sl. No.	Date	Class	Industry Visited	POs	PSOs
01.	25 <sup>th</sup> February 2016	4 <sup>th</sup> Semester A, B & C Section	ACE Components and Electronics Pvt. Ltd, Mysuru	PO6, PO9, PO10, PO11, PO12	PSO2, PSO3, PSO4
02.	18 <sup>th</sup> March 2016	6 <sup>TH</sup> Semester	CDAC & HAL Museum, Bangalore	PO6, PO9, PO10, PO11, PO12	PSO2, PSO3, PSO4

  
(Sharadkar S. Srinivas)

  
HOD  
Dept of Electronics &  
Communication Engg  
ATME College of Engineering  
MYSURU-570028



Department of Electrical & Electronics Engineering

27/02/2017

To,  
The Principal  
ATME College of Engineering,  
Mysore.

Through  
Head, Department of EEE,  
ATMECE, Mysore.

Forwarded to Principal  
for kind consideration  
& necessary action

Dr. PARTHASARATHY L.  
Professor and HOD  
Dept. of Electrical & Electronics Engineering  
ATME College of Engineering, Mysuru

Respected Sir,

Subject: Request to give permission for Industrial visit

We the students of 4<sup>th</sup> semester, Department of EEE, are interested to visit 220kV Vajamanagala substation on 02<sup>nd</sup> March 2017. We abide by the rules and regulations of college and company. We request your good office to accord permission for the visit and give two faculties to accompany us.

Thanking you sir,

Yours faithfully

EEE Students

Enclosure:

- 1) Accompanying Staff
- 2) Students List

27/2/17



# A T M E

## College of Engineering

Date: 27/02/2017

To,

Superintendent Engineer (E),  
Transmission Zone (W&M) Circle,  
KPTCL, Mysuru.


**Subject: Requesting to allow our IV semester EEE Students to visit Vajamangala Substation.**

ATME College of Engineering is established in the year 2010, is affiliated to Visvesvaraya Technological University, Belagavi, Karnataka with more than 1800 students, offering education, ranging from Under graduate program to Post Graduate Degrees in Engineering,

About 68 students of IV semester of Department of Electrical & Electronics Engineering are studying topics on substation practice and have evinced keen interest to knowhow the practical aspects of substation working, in view of this, I request your good office to give permission for 68 students and 2 accompanying staff to visit Vajamangala Substation on 02<sup>nd</sup> March 2017. Kindly do the needful.

Thanking you

With Regards

  
Principal

**Enclosure:**

- 1) Accompanying Faculty list
- 2) Students List

Academy for Technical & Management Excellence

13th Kilometer, Mysore-Bannur Road, Mysore - 570 028 P: 0821-2593335 F: 0821-2593328

E-Mail: office@atme.in www.atme.in



From,

Date: 4/10/16

7<sup>th</sup> Semester,

Electrical & Electronics Engineering Students,

ATMECE, Mysuru.

To,

The Principal,

ATMECE, Mysuru

Through, Head, Department of EEE

Respected Sir,

**Subject: Regarding Industry Visit**

With reference to the above subject, we the final year students, kindly request you to permit us for the Industry Visit from 13<sup>th</sup> October to 16<sup>th</sup> October, 2016. We also request you to send three faculty members and assure to abide by the norms and rules for the Industry visit set forth by the department. Enclosed is the budget and student co-ordinators for the industry visit.

Thanking you,

Yours Sincerely



Amrutha R

Class Representative

forwarded to

Principal for

Kind Consideration

& permission



Very truly yours,

### Proposed Budget

1. Cost/ student: : Rs 2000/-
2. Students who agreed to participate in the Industry Visit: : 42
3. Total Amount :  $42 \times 2000 = \text{Rs } 84,000/-$

SL.No.	Particulars	Expenditure
1	Travelling expenditure	Rs 44,000/-
2	Food and Refreshment	Rs 30,000/-
3	Lodging	Rs 10,000/-
Total Cost		Rs 84,000/-


Student Co-ordinators, who will monitor and co-ordinate the Industry Visit:

- Praphul Kumar A K
- Chethan S
- Samrin Fathima
- Amrutha R
- Hithesh Patel
- Udaya Kumar D R
- Nikhil N

Submitted

Forwarded to the Honble Chairman for

Kind information

  
4/10/16

- i) Instructed HOD E&E to ~~take~~ explain dos & don'ts
- ii) Also undertaking both from students & parents

  
4/10/16



# A T M E

## College of Engineering



Affiliated to Visvesvaraya Technological University, Belgaum; Approved by AICTE, Delhi and Recognised by Government of Karnataka

Date:-04/10/2016

To,

GENERAL MANAGER (CC).  
(CORPORATE COMMUNICATIONS)  
KARNATAKA POWER CORPORATION LTD.,  
# 82, "Shakti Bhavan",  
Race Course Road,  
Bengaluru-560001

Respected sir,

**Subject: Permission to visit Varahi Hydroelectric power generating station for the  
students of Electrical & Electronics Engineering department, ATMECE, Mysuru**

I write to bring to your kind attention that final year students of Electrical and Electronics Engineering department of our college are keen to witness the power generation and transmission system operation of the VARAHI hydro generating station, which is also known for its indigenous construction features. We are sure that it will be beneficial for the students immensely from the academic point of view. The details of students and faculty are enclosed for your kind reference.

Hence, I request you to kindly accord permission on 14/10/2016(Friday) or 15/10/2016(Saturday) for facilitating our students for the proposed visit.

I also state that the attached students list does not include any foreign students.

Thanking you,

Yours faithfully,

Dr. L. Basavaraj

Principal

**PRINCIPAL**

**ATME College of Engineering**  
13th KM, Mysuru-Kanakapura-Bangalore Road  
Mellahalli, Mysuru-570028

**Total Number of students: 47**

**Accompanying Staff:** 1. Mr. Vinod Kumar P, Assistant Professor  
2. Mr. Shreesayana R, Assistant Professor  
3. Ms. Pooja M, Assistant Professor

Academy for Technical & Management Excellence

13th Kilometer, Mysuru-Bangalore Road, Mysuru - 570028 P: 0821 2593035 F: 0821 2591302

Email: gpl@atme.in www.atme.in





ಕರ್ನಾಟಕ ವಿದ್ಯುತ್ ನಿಗಮ ನಿಯಮಿತ  
KARNATAKA POWER CORPORATION LTD.,  
(A premier power generating company of Government of Karnataka)  
CIN U85110KA1970SGC001919

ಸಂಖ್ಯೆ:ಎ1 ಎ6 ಎ ಸಿಸಿ:159 / 1119  
ಇವರಿಗೆ:

ದಿನಾಂಕ:06.10.2016

ಪ್ರಾಂಶುಪಾಲರು

ಎ.ಟಿ.ಎಂ.ಇ. ಕಾಲೇಜ್ ಆಫ್ ಇಂಜಿನೀಯರಿಂಗ್,

13ನೇ ಕಿ.ಮೀ., ಮೈಸೂರು-ಕನಕಪುರ-ಬೆಂಗಳೂರು ರಸ್ತೆ,

ಮೇಲಹಳ್ಳಿ, ಮೈಸೂರು-570 028.

ದೂರವಾಣಿ: 0821-2593335

ಮಾನ್ಯರೇ,

ವಿಷಯ: ವರಾಹಿ ಭೂಗರ್ಭ ಜಲವಿದ್ಯುತ್ ಯೋಜನಾ ಪ್ರದೇಶವನ್ನು ಸಂದರ್ಶಿಸಲು  
ಅನುಮತಿ - ಕುರಿತು.

ಉಲ್ಲೇಖ: ತಮ್ಮ ಪತ್ರ ದಿನಾಂಕ:04-10-2016

\*\*\*\*\*

ಯೋಜನಾ ಪ್ರದೇಶಗಳನ್ನು ಸಂದರ್ಶಿಸಲು ತಾವು ಬರೆದುಕೊಂಡ ಉಲ್ಲೇಖ ಪತ್ರದಲ್ಲಿ  
ತಿಳಿಸಿರುವಂತೆ ಮಾಣಿಡ್ಯಾಂ ಪವರ್ ಹೌಸ್/ಮಾಸ್ತಿಕಟ್ಟೆ ಮತ್ತು ವರಾಹಿ ಭೂಗರ್ಭ  
ಜಲವಿದ್ಯುದಾಗಾರ/ಹೊಸಂಗಡಿ ಯೋಜನಾ ಪ್ರದೇಶಗಳನ್ನು ದಿನಾಂಕ:14.10.2016ರಂದು ತಮ್ಮ  
ಸಂಸ್ಥೆಯ ಅಂತಿಮ ವರ್ಷದ ಎಲೆಕ್ಟ್ರಿಕಲ್ & ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ (ಬಿ.ಇ.) 47 ವಿದ್ಯಾರ್ಥಿಗಳು ಹಾಗೂ  
ಮೂವರು ಉಪನ್ಯಾಸಕರು/ಸಿಬ್ಬಂದಿ ಸೇರಿ ಒಟ್ಟು ಐವತ್ತು ಸದಸ್ಯರಿಗೆ ವೀಕ್ಷಿಸಲು ಈ ಮೂಲಕ  
ಅನುಮತಿ ನೀಡಲಾಗಿದೆ.

ಈ ಅನುಮತಿಯು ಕೆಳಗಿನ ನಿಬಂಧನೆಗಳಿಗೆ ಒಳಪಟ್ಟಿರುತ್ತದೆ.

1) ಸಂಸ್ಥೆಯ ಮುಖ್ಯಸ್ಥರಿಂದ ಪಡೆದಿರುವ ಗುರುತಿನ ಚೀಟಿಯನ್ನು (Identity card) ಹಾಜರು ಪಡಿಸಲು  
ಸೂಚಿಸಲಾಗಿದೆ. ಗುರುತಿನ ಚೀಟಿ ಇಲ್ಲದಿದ್ದ ಪಕ್ಷದಲ್ಲಿ ಮುಖ್ಯಸ್ಥರಿಂದ ದೃಢೀಕರಿಸಿರುವ ವಿದ್ಯಾರ್ಥಿಗಳ ಮತ್ತು  
ಉಪನ್ಯಾಸಕರ ಹೆಸರುಗಳ ಪಟ್ಟಿಯನ್ನು ಕಡ್ಡಾಯವಾಗಿ ಹಾಜರು ಪಡಿಸಲು ಸೂಚಿಸಲಾಗಿದೆ ಹಾಗೂ ಆ  
ಪಟ್ಟಿಯಲ್ಲಿರುವವರು ಭಾರತೀಯ ಪೌರರೆಂದು ದೃಢೀಕರಿಸಬೇಕು. ಇಲ್ಲದ ಪಕ್ಷದಲ್ಲಿ ಅನುಮತಿಯನ್ನು  
ನಿರಾಕರಿಸಲಾಗುವುದು. ವಿದೇಶೀಯರಿಗೆ ಯೋಜನಾ ಪ್ರದೇಶಗಳಿಗೆ ಅನುಮತಿ ನೀಡಲಾಗುವುದಿಲ್ಲ.

2) ಯೋಜನಾ ಪ್ರದೇಶದಲ್ಲಿ ವಿಡಿಯೋ/ಮೊಬೈಲ್/ಕ್ಯಾಮರಾಗಳಲ್ಲಿ ಛಾಯಾಚಿತ್ರಗಳನ್ನು ತೆಗೆಯುವುದನ್ನು  
ನಿಷೇಧಿಸಲಾಗಿದೆ.

ಸಂದರ್ಶಿಸುವ ತಂಡವು ಯೋಜನಾ ಪ್ರದೇಶಗಳನ್ನು ಪ್ರವೇಶಿಸಿದ ನಂತರ ಭೇಟಿಯ  
ವ್ಯವಸ್ಥೆಗಾಗಿ ಕಾರ್ಯನಿರ್ವಾಹಕ ನಿರ್ದೇಶಕರು (ಹೈಡಲ್)-ವರಾಹಿ, ಹೊಸಂಗಡಿ, ಉಡುಪಿ ಜಿಲ್ಲೆ  
ಇವರನ್ನು ಸಂಪರ್ಕಿಸುವುದು.

ವಂದನೆಗಳೊಂದಿಗೆ,

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

ಕರ್ನಾಟಕ ವಿದ್ಯುತ್ ನಿಗಮ ನಿಯಮಿತದ ಪರವಾಗಿ.

ಸಹಾಯಕ ಪ್ರಧಾನ ಪ್ರಬಂಧಕರು (ಕಾರ್ಪೊರೇಟ್ ಕಮ್ಯುನಿಕೇಷನ್)  
ಬಿ.ವಿ. ನಾಯಕ್

'ಕರ್ನಾಟಕ ವಿದ್ಯುತ್ ನಿಗಮ ನಿಯಮಿತ' ದಿನಾಂಕ: 06.10.2016

Student Name List

SL.No.	USN	Name
1	4AD10EE001	ABHISHEK A
2	4AD12EE029	PRASANNA R
3	4AD12EE046	YASEEN SHARIFF
4	4AD13EE001	ADAM KHAN Z
5	4AD13EE002	AFIF UZ ZAMA R H
6	4AD13EE003	AISHWARAYA S
7	4AD13EE004	AMRUTHA R
8	4AD13EE005	ANUSHA N
9	4AD13EE006	ARCHANA N L
10	4AD13EE008	BINDU N
11	4AD13EE009	CHETHAN N
12	4AD13EE010	CHETHAN S
13	4AD13EE011	EHASAN ULLA KHAN
14	4AD13EE013	HITHESH PATEL V
15	4AD13EE014	JEEVAK ROY J
16	4AD13EE015	KARTHIK S KRISHNAN
17	4AD13EE016	KEERTHANA M S
18	4AD13EE017	MANASA G
19	4AD13EE018	MANASA K
20	4AD13EE020	NAVYASHREE S.M
21	4AD13EE021	NIKHIL N
22	4AD13EE023	PRAPHUL KUMAR A K
23	4AD13EE024	PREETHAM L P
24	4AD13EE025	PRIYADARSHINI N J
25	4AD13EE026	RAKSHITHA M
26	4AD13EE028	ROJA C D
27	4AD13EE029	SANA SHARIEF
28	4AD13EE033	SHREEDHARA Y M
29	4AD13EE034	SHUBAEL SHANE S
30	4AD13EE036	SOWNDARYA P
31	4AD13EE037	SRINIVASMURTHY V
32	4AD13EE038	SUPREETHA B S
33	4AD13EE039	SUPRITHA R
34	4AD13EE040	SUSHMA S R

SL.No.	USN	Name
35	4AD13EE041	VANDANA D
36	4AD14EE403	DEEPA
37	4AD14EE405	JAYANTHI S
38	4AD14EE406	KANYASHRI T T
39	4AD14EE407	KIRAN M
40	4AD14EE409	MADHURI K M
41	4AD14EE412	MANU K R
42	4AD14EE413	MOHAMMED TOUSEEF M R
43	4AD14EE415	NIRANJANA MT
44	4AD14EE424	SAMRIN FATHIMA
45	4AD14EE428	THIPPESWAMY K
46	4AD14EE429	UDAY KUMAR D R
47	4A13EE416	SOMASHEKARA

*[Signature]*  
4/10/16

**PRINCIPAL**

ATME College of Engineering  
14th KM, Mysuru-Kanakapura-Bangalore Road  
Mellahalli, Mysuru-570028





**Department of Electrical & Electronics Engineering**

To,

Date:

The HOD,

ATME College of Engineering, Mysuru.

Dear Sir,

**SUBJECT: Submission of "Industrial Visit Undertaking"**


I, Mr./Mrs. B.C. Ramesh parent of Amarutha R bearing  
USN 4AD13EE004 studying in VII Semester, Department of Electrical &  
Electronics Engineering, ATME College of Engineering, Mysuru hereby voluntarily submit the under  
taking.

We, the undersigned parent/guardian are aware that, your department is supporting to  
accompany my ward for the industrial visit as requested by him/her and his/her classmates of 7<sup>th</sup> sem.  
We shall ensure that our ward shall abide by the college terms and conditions for industrial visit. We,  
hereby declare and confirm that the college or staff shall not be held responsible in the event of any  
misfortune or accidents and/or personal injuries whether fatal or otherwise involving our ward. We  
shall undertake full responsibility of all the consequences should any other person or body suffer such  
accidents and/or personal injuries and/or damage to property as a result of our ward negligent act  
during the period of visit.

We further confirm that the college shall not be held responsible for our ward misconduct or  
wrongdoing at all times during the period of industrial visit and shall inform our ward to obey the  
instructions of the faculty members who are accompanying during the visit.

Yours sincerely,

Name of the Father/Mother/Guardian: B.C. Ramesh.

Parent/Guardian's Signature: 

Parent's Contact Address: H.No. NS23, Group 4, MID-2  
KHB Colony Hootagalli, Mysore

Parent Contact No./Guardian Contact No.: 9449171506

Student Name: Amarutha R

Student Signature: 

Student Contact No.: 8123408770



File Code	ACD10.3
Version	2

Department of Electrical & Electronics Engineering

To,

Date: 27

The HOD,

ATME College of Engineering, Mysuru.

Dear Sir,

**SUBJECT: Submission of "Industrial Visit Undertaking"**

I, Mr./Mrs. SURESH.B.K parent of SUPREETHA.B.S bearing  
USN 6AD13EE038 studying in VII Semester, Department of Electrical &  
Electronics Engineering, ATME College of Engineering, Mysuru hereby voluntarily submit the under  
taking.

We, the undersigned parent/guardian are aware that, your department is supporting to  
accompany my ward for the industrial visit as requested by him/her and his/her classmates of 7<sup>th</sup> sem.  
We shall ensure that our ward shall abide by the college terms and conditions for industrial visit. We,  
hereby declare and confirm that the college or staff shall not be held responsible in the event of any  
misfortune or accidents and/or personal injuries whether fatal or otherwise involving our ward. We  
shall undertake full responsibility of all the consequences should any other person or body suffer such  
accidents and/or personal injuries and/or damage to property as a result of our ward negligent act  
during the period of visit.

We further confirm that the college shall not be held responsible for our ward misconduct or  
wrongdoing at all times during the period of industrial visit and shall inform our ward to obey the  
instructions of the faculty members who are accompanying during the visit.

Yours sincerely,

✓  
Name of the Father/Mother/Guardian: FATHER SURESH.B.K

Parent/Guardian's Signature: SURESH.B.K

Parent's Contact Address: #567, Vijaynagar 4<sup>th</sup> stage  
3<sup>rd</sup> phase Mysore

Parent Contact No. /Guardian Contact No.: 9902397107

Student Name: SUPREETHA.B.S

Student Signature: Supreetha.B.S

Student Contact No.: 9535371817



Department of Electrical & Electronics Engineering

Student Feedback Form

18/10/2016

Event : Industry Visit		Venue: Varahi Hydro, UPCL Thermal Power Plant	
Name of the Student : POOJA T			
USN: 6AD13EE022		Semester :	
Sl.No	Key Parameters :5:Average 7:Good 9:Very Good 10:Excellent	Grade	
1.	About the Industry Visit , was it useful	9	
2.	The Resource Person at the venue was clear in reaching out to the students	9	
3.	Transportation facility	9	
4.	The time duration of the visit	9	
5.	Topics learnt during the visit :	9	
6.	Faculty accompanying were supportive	9	
6.	Remarks :Any other Matter(Opinion in 2 to 3 lines)  It was good & Informative		

Student Signature  
Shruti B.S

Prepared By: Department of EEE

Approved By: HOD



## Department of Electrical & Electronics Engineering

The department of Electrical and Electronics Engineering had organised an Industry visit for 7<sup>th</sup> semester students from October 13<sup>th</sup> to October 16<sup>th</sup> 2016 to Udupi Thermal Power Corp, Varahi Hydro Power Station. 40 students and 3 Faculties accompanied the students for the visit.

On Day 1, the students visited UPCL, Udupi. Udupi Power Corporation Limited is a 2 X 600 MW imported coal based power project in the Udupi District of Karnataka. Situated in the western coastal region of India, the plant is situated in the village of Yellur, between Mangalore and Udupi. UPCL is the first independent power project (IPP) using 100% imported coal as fuel in the country and was awarded the Gold Shield award for early completion of Thermal power project Unit-1 from Ministry of power, Government of India in FY 2010-11 and also the prestigious Golden Peacock Environment Management Award in FY 2014-15.

The site is about 28 M above MSL and falls under seismic zone III. The maximum ambient temperature is about 38°C and the annual mean relative humidity is 74-80%. The nearest seaport is at Mangalore (New Mangalore Port).

The Udupi Power Project **supplies 90%** of the power it generates to the State of Karnataka and **10%** to the State of Punjab.

### Plant Details:

Each unit of 600 MW capacities has one sub critical coal fired steam generator connected to a reheat type condensing steam turbine and generator with sea water cooled condenser and all other required auxiliaries.

Each steam turbine is of 3000 rpm, tandem compound, single re-heat, condensing type machine with extractions for regenerative feed water heating. The turbine would be designed for main stream pressure of 170 kg/cm<sup>2</sup> (a) and inlet temperature of 537°C

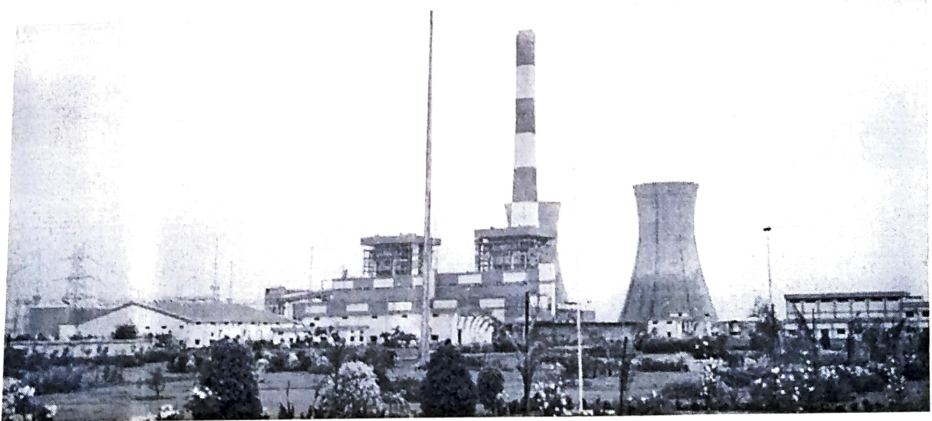


Fig: UPCL Plant Image

## A Report on Industrial visit at **RANE (MADRAS) COMPANY LTD. MYSORE**

We had a permission to take our students to **RANE (MADRAS) COMPANY LTD. MYSORE** as industrial visit on **May 18<sup>th</sup> 2017**, we visited the company by taking 4<sup>th</sup> semester 'C' section students on the same day.

Two persons from industry accompanied our students and explained the various production/Manufacturing activities happening in the shop floor while taking them around the plant.

Our students had an opportunity to visited two plants namely **STEERING ASSEMBLY SECTION** and **TOP BALL JOINT(for suspension system) SECTION** and observed the casing components made of Aluminium alloy which are produced by pressure die casting process and different machining processes that are required to have finished components which are used in steering wheel assembly along with casing part. Also got exposed to suspension ball joint system. This visit was found useful to the students and educative also, helped them to corelate theory and practice.

The photos Gallery shown below were taken at the time of visit.









**ATME COLLEGE OF ENGINEERING,MYSURU-028**  
**(Affiliated to Vishveswaraya Technology**  
**University,Belagavi)**



**DEPARTMENT OF MECHANICAL ENGINEERING**

**REPORT**

**ON**

**INDUSTRIAL VISIT**

**09/03/17-10/03/17**

**INDUSTRIES VISITED**

**BIO FUEL PARK , MADENURU, HASSAN**

**SHARAVATHY POWER STATION ,SHIMOGA**

**FACULTY COORDINATORS**

**Asst.prof.HarshaDN**

**Asst.prof.MohammedNadeem**

**Asst.prof.Mohankumar**

**NO.OF.STUDENTS29**

## **BIO FUEL PARK , HASSAN**

The park, established at Madenuru, Hassan in an area of 50 acres belonging to the Bangalore Agriculture University, started functioning since 2007. This park is involved in research for the overall development of biofuel field in our state and for training, development of value-added products. It has formed 440 associations of farmers engaged in Biofuel Cultivation and Seed Collection by organizing 1,041 trainings in 2,039 villages with financial assistance from the Board. Each farmer in the village has been involved in the plantation programme and 70 villages have been converted as complete biofuel villages.

Hassan district in Karnataka plans to observe World Biofuel Day by introducing use of biofuel in all the government vehicles in the district. If executed, it will be the first district in Karnataka to take such a step to adopt green energy.

An experiment to generate biofuel was conducted at Doddaballapur in 2005-06 that met success. Later, the Biofuel Board took up the project in a large scale and selected Hassan district for a unit that was launched in 2007.

Farmers were given around 14 lakh biofuel saplings including Honge, Hippe, Neem, Jatropha, Simarubba and others that yield about 50,000 tonnes seeds. Around 20,000 tonnes of these seeds are being used by Tamil Nadu and Andhra Pradesh for various purposes. The remaining seeds are used by the unit to produce around 250 to 300 litres of biofuel every day, project coordinator Dr Balakrishnegowda informed Deccan Herald newspaper.

The price of biodiesel is higher than the ordinary diesel but will naturally come down if the production is done on a large scale. Biofuel park has made an agreement to popularise biofuel which will be used for hundreds of vehicles belonging to various departments from 10 August. Though vehicles can run on biofuel completely, only five per cent for the vehicles will be run as there is insufficient production to meet the demand.

The biofuel will be dispatched to the departments which will be mixed to the diesel while filling the fuel. Balakrishnegowda also said that they have agreed to sell biofuel at the price of diesel and the loss will be compensated by selling the byproducts. It has also been decided to open the first Biofuel bunk of India awaiting the nod from the Centre.



## **SHARAVATHY GENERATING STATION**

Originating at a height of 730m near Ambuthirtha, in Shimoga district, the Sharavathi river flows in a north-west direction. In its long, 132-km journey, the Sharavathi is joined by several tributaries. After a stretch of 80 km along its course, the river drops down a steep mountain face of 293m – a visually delightful spectacle known as the Jog Falls. From this breathtaking leap, the river continues its journey till it flows into the Arabian Sea near Honnavar.

The Sharavathi Hydro Electric Project is today the backbone of Karnataka's power generating arsenal. The Sharavathi Generating Station with its 10 Units has an installed capacity of 1035 MW and the Linganamakki Dam Powerhouse with 2 units has an installed capacity of 55 MW. To further tap the potential of the Sharavathiriver, KPCL has installed at the Gerusoppa Dam Project, four generating Units of 60 MW each, totalling to 240 MW.



The unique feature of the Sharavathi Project is the establishment of 1035 MW resource under one roof, with an annual yield of 5000 MU. The project has equipment from US, Canada, France, Japan and other specified markets. The generating units have been recently renovated and upgraded.

The KPCL blueprint identifies Sharavathi as its “Master Station” – a headpoint that will control all peripheral stations through a nodal monitoring system. The prime objective here is to optimize power generation through a systematic integration of several reservoirs and water conductor systems.

Although most energy in the United States is produced by fossil-fuel and nuclear power plants, hydroelectricity is still important to the Nation, accounting for about 7% of total energy production. Nowadays, huge power generators are placed inside dams. Water flowing through the dams spin turbine blades (made out of metal instead of leaves) which are connected to generators. Power is produced and is sent to homes and businesses.

### **World distribution of hydropower**

- Hydropower is the most important and widely-used renewable source of energy.
- Hydropower represents about 16% (International Energy Agency) of total electricity production.
- China is the largest producer of hydroelectricity, followed by Canada, Brazil, and the United States (Source: Energy Information Administration).
- Approximately two-thirds of the economically feasible potential remains to be developed. Untapped hydro resources are still abundant in Latin America, Central Africa, India and China.

Producing electricity using hydroelectric power has some advantages over other power-producing methods. Let's do a quick comparison:

### **Advantages to hydroelectric power:**

- Fuel is not burned so there is minimal pollution
- Water to run the power plant is provided free by nature
- Hydropower plays a major role in reducing greenhouse gas emissions
- Relatively low operations and maintenance costs

- The technology is reliable and proven over time
- It's renewable - rainfall renews the water in the reservoir, so the fuel is almost always there







## **CONCLUSION**

1. It help students gain first hand information regarding functioning of the Industry
2. Provides an opportunity to plan, organize and engage in active learning experiences both inside and outside the classroom
3. It is Mandatory in various Indian universities hence it also full fills certain curriculum requirements
4. Provides an insight into the real working environment of the Industry
5. Helps to see their future place in the working world
6. This also serves as a relation building process between institutes and industry
7. Many of the companies also use it as tool for building brand awareness
8. Helps to enhance their interpersonal skills and communications
9. Helps to understand the do's and don'ts of the industrial practice

***1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years.***

**ATME COLLEGE OF ENGINEERING**

**Department of Civil Engineering- Extensive Survey**

From  
Rudresh A N  
Assistant Professor (Camp Officer)  
Department of Civil Engineering  
ATMECE, Mysuru.

Date: 2<sup>nd</sup> Jan 2017  
Place: Mysuru

To  
The Principal  
ATMECE, Mysuru.

Through  
HOD, Civil Engineering Department  
ATMECE, Mysuru.


Respected Sir,

**Sub:-Regarding permission to conduct survey camp.**

As per the prescribed syllabus by VTU, we have to conduct Survey camp for 5<sup>th</sup> semester Civil Engineering students, after searching and visited various places finally we selected a place Karighatta near Srirangapattana which is very suitable to conduct survey camp, and we planned to conduct the camp from 09/01/2017 to 15/01/2017 with all 85 students, and we want all support and encouragement from your side and management to conduct the camp smoothly, and I request you to kindly depute the all teaching and non-teaching staff of Civil Engineering department to the camp for smooth conduction of camp.

Thanking you,

Yours Sincerely

 A. N

Rudresh A N  
(Camp Officer)

**Camp Officer**  
Department of Civil Engineering  
ATME College of Engineering, Mysore-28

*Forwarded to principal sir*

*for approval*



*Approved*  




### List of Survey Instruments

Sl No	Instruments Required	Numbers
1	Tape – 30 m	6
2	Tape – 15 m	6
3	Theodolite	6
4	Dumpy Level	6
5	Prismatic Compass	6
6	Ranging Rod	25
7	Arrows	60
8	Leveling Staff	6
9	Cross Staff	6
10	Plane Table Drawing Board	5
11	Total Station	1

 10/1/18

**ATME College of Engineering**  
**Department of Civil Engineering**  
**5th Semester Extensive Survey Camp Students List**

**Batch - 1**

SI No.	Student Name	USN
1	MANOHARA D R	4AD12CV028
2	PRAJWAL R SHEKAR	4AD13CV037
3	ARPITHA S	4AD14CV006
4	KIRAN C	4AD14CV018
5	PRAJAY P	4AD14CV033
6	RAISA SULTAN	4AD14CV038
7	AJAY NAYAKA M V	4AD15CV400
8	CHEETHAN S	4AD15CV405
9	MAHADEVA B	4AD15CV412
10	PRAMODH D	4AD15CV419

**Batch - 2**

SI No.	Student Name	USN
1	RAHUL A	4AD12CV04
2	SHOIB KHAN	4AD13CV04
3	ASHOK KUMAR B	4AD14CV00
4	MADHU R	4AD14CV02
5	PALLAVI M	4AD14CV03
6	SHAHID KHAN	4AD14CV04
7	AMITH S	4AD15CV40
8	BINDU D	4AD15CV40
9	MAHADEVA PRASAD M	4AD15CV41
10	RAKSHITH K S	4AD15CV42

**Batch - 3**

SI No.	Student Name	USN
1	AKARSH KUMAR K N	4AD13CV005
2	SYED ABRAR	4AD13CV051
3	CHEETHAN H N	4AD14CV009
4	MADHUKAR V	4AD14CV022
5	PRAJWAL N	4AD14CV034
6	SANJAN N	4AD14CV046
7	SUSHMA S	4AD14CV054
8	CHAITHRA R	4AD15CV403
9	JEEVAN N	4AD15CV410
10	VINAY B R	4AD15CV422

**Batch - 4**

SI No.	Student Name	USN
1	CHETAN KUMAR A P	4AD13CV01
2	YOGESH R	4AD13CV05
3	CHEETHANA R	4AD14CV01
4	MEGHANA M K	4AD14CV02
5	PUJITHA GANAPATHI C	4AD14CV03
6	SACHINGOWDA M	4AD14CV04
7	DHANUKUMAR M S	4AD15CV40
8	HARSHAVARDHAN B R	4AD15CV40
9	MOHAMMED UMAR	4AD15CV41
10	VIVEK GOWDA L	4AD15CV42

**Batch - 5**

SI No.	Student Name	USN
1	DHANUSH B H	4AD13CV014
2	ACHUTHKUMAR C	4AD14CV001
3	CHINMAY G HEGDE	4AD14CV011
4	NAGESH B S	4AD14CV028
5	RAHUL N	4AD14CV037
6	ROOPASHREE K	4AD14CV041
7	SHREENIVAS PRASAD K M	4AD14CV049
8	SOMYASHREE C	4AD14CV051
9	PADMA B	4AD15CV418
10	RAYHAAN SHARIFF	4AD15CV421

**Batch - 6**

SI No.	Student Name	USN
1	MAQSOOD NAWAZ AHMED	4AD13CV02
2	APOORVA S	4AD14CV00
3	HARSHITHA S	4AD14CV01
4	NAVIEN S	4AD14CV02
5	RAVIKIRAN R A	4AD14CV03
6	SUKRUTHA N	4AD14CV05
7	P DEEPAK	4AD15CV40
8	LOHITH K	4AD15CV41
9	MAHESH P	4AD15CV41
10	MUKESHGOWDA B M	4AD15CV41

**Batch - 7**

SI No.	Student Name	USN
1	MOHAMED MUBHASHEER M	4AD13CV028
2	ARJUN B M	4AD14CV005
3	HARSHITHA S	4AD14CV016
4	NIRMITH P	4AD14CV030
5	RAVIKIRAN S SAGAR	4AD14CV040
6	TEJASWINI T	4AD14CV055
7	VARADARAJA D R	4AD14CV056
8	DAKSHAYINI S	4AD15CV406
9	YASHWANTHAKUMAR J	4AD15CV424
10	YOGESH S	4AD15CV425

  
 Signature of Camp officer

**Camp Officer**  
 Department of Civil Engineering  
 ATME College of Engineering, Mysuru-28

  
 Signature of HOD

**HOD**  
 Department of Civil Engineering  
 ATME College of Engineering  
 Mysuru-570028

***1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years.***

**ATME COLLEGE OF ENGINEERING**

**Department of Computer Science Engineering- Mini Project**





**Department of Computer Science and Engineering**  
**Computer Graphics Mini Project Batch List-2016 -17**  
**6<sup>th</sup> Semester 'B' section**



Sl. No.	USN	Name of the student	Name of the Guide	Project Title
1	4AD13CS002	AISHWARYA B S	Dr Putte Gowda D	Fishing
	4AD13CS024	HARSHITHA M S		
2	4AD13CS028	KALPITHA C P	Mr Anil Kumar C J	Life of Tree
	4AD14CS031	HEMANTH KUMAR A		
3	4AD14CS402	KUMARA N	Mrs Nasreen Fathima	Demonstration of YOGA
	4AD15CS400	ABHILASH A		
4	4AD15CS401	ABHISHEK K M	Mrs Archana M R	Simple view of ATMECE
	4AD15CS402	AMITH RAJ		
5	4AD15CS407	CHAITHRA A S	Mrs M S Sunitha patil	Biocycle
	4AD15CS408	CHAITHRA B M		
6	4AD15CS409	CHETHAN M V	Mrs Sowmyashree P	Light House
	4AD15CS410	GIRISH P		
7	4AD15CS411	GIRISH M	Mrs Sowmya S	Smock Mill
	4AD15CS413	KARTHIK N		
8	4AD15CS415	LOHITH N	Mrs Impana Appaji	
	4AD15CS416	MADHU V		
9	4AD15CS417	MAMATHARANI M	Mr Sharath H A	Rubix Cube Solver
	4AD15CS418	MANISH K BHASKAR		
10	4AD13CS046	POOJA M	Mr Ananda Kumar H N	OpenGL Utility Toolkit
	4AD13CS051	PRABHA B		
11	4AD13CS053	PRAJWAL S K	Ms Keerthana M M	Graphical Implementation of Airshow
	4AD13CS054	PRATIKSHA N		
12	4AD13CS055	PRIYANKA G D	Mr Kiran B	Bycycle and Car Accident
	4AD14CS043	NITHYAKALA V		
13	4AD14CS044	PRAJWAL URS H R	Mr Anil Kumar B H	Rope Car
	4AD14CS046	PRASAD M		
14	4AD14CS404	N AZHARKHAN	Mr Jashwanth N B	Lighting Lanterns
	4AD14CS405	RAMYA T S		
15	4AD14CS408	RASHMI S	Mr Sachin Acharya T	
	4AD15CS419	MANJU K M		
16	4AD15CS420	MANJULA S	Ms Shruthi P	Air Attack Simulation
	4AD15CS422	NAGAVIDYA V		
17	4AD15CS423	NANDAN H S	Mr Srinivasa G	Car Accident
	4AD15CS426	PALLAVI		
18	4AD15CS428	PRASHANTH N	Mr Ajay Kumar B R	Simley Faces
	4AD15CS429	PUNITH KUMAR C M		
19	4AD15CS430	RANI C N	Mrs Sneha N P	TSUNAMI
	4AD15CS424	NANDAN KUMAR S		
20	4AD13CS074	SHANMUKHA PAVAN H B	Mrs Sneha C R	College Bus
	4AD13CS094	TEJASHREE J		
21	4AD13CS103	VISHNU N	Mrs Sushma V	Train Scaping
	4AD14CS411	SUNIL KUMAR M		
22	4AD14CS413	TEERTHAKUMAR S R	Ms Shruthi P	Simulation of Heart
	4AD15CS434	SAHANA M N		
23	4AD15CS435	SANDEEP KUMAR	Dr Putte Gowda D	Rescue Mission
	4AD15CS436	SANTHOSH KUMAR C		

24	4AD15CS437	SOWMYA K N	Mrs Nasreen Fathima	Nature if My Teacher
	4AD15CS438	ULLASH L		
25	4AD15CS441	VIJAY KUMAR H	Mr Ajay Kumar B R	Lift over Bridge
	4AD15CS443	YOGESH R		
26	4AD14CS029	HARSHITH S	Mr Ananda Kumar H N	Bermoda triangle
	4AD14CS032	JAYARAM C N		
27	4AD13CS045	PAVAN C M	Mr Ananda Kumar H N	3D Gears and Transformatin
	4AD13CS091	SURYA A URS		
28	4AD14CS011	APOORVA C N	Mr Ananda Kumar H N	Simulation of Solar Cell
	4AD13CS015	CHANDAN S		
29	4AD15CS442	YAQUB BAIG	Mr Ananda Kumar H N	Seed Saving
	4AD15CS433	RAVI PRASANNA R		
30	4AD15CS403	ANUP NANDAN H M	Mr Ananda Kumar H N	Quadcopter
	4AD15CS432	RASIK UL IMAN		
31	4AD15CS440	VIGNESH P	Mr Ananda Kumar H N	Irrigation
	4AD15CS421	MANVITH N		

  
 Professor & Head  
 Dept. of Computer Science & Engg.  
 ATME COLLEGE OF ENGINEERING  
 MYSURU-570 038



**Department of Computer Science and Engineering**  
**Computer Graphics Mini Project Batch List-2016 -17**  
**6<sup>th</sup> Semester 'B' section**



Sl. No.	USN	Name of the student	Project Title	Name of the Guide
1	4AD14CS002	ADITHYA H R	Attack on the city	Dr. Putte Gowda D
	4AD14CS003	AFREEN KHAN		
2	4AD14CS004	AFREEN TAJ	Night Sky lighter	Mr Anil kumar CJ
	4AD14CS005	AISHWARYA L		
3	4AD14CS006	AKSHATHA BALLAL	Awareness on Mosquito bites	Mrs Nasreen Fathima
	4AD14CS008	AMAL JOSE		
4	4AD14CS009	AMEERAH KHANNAM	Witness the Fitness	Mrs Archana M R
	4AD14CS013	AVITA PINTO		
5	4AD14CS014	AYESHA TABASSUM	Fountain	Mrs Suntitha Patel
	4AD14CS017	CHANDAN B S		
6	4AD14CS018	CHANDANA B	Effect on Moving a light	Mrs Sowmyashree P
	4AD14CS020	CHITHRA A G		
7	4AD14CS021	DARSHAN R	A city on and off motion	Mrs Sowmya S
	4AD14CS023	DEEPA LAKSHMI B R		
8	4AD14CS024	DEEPTHI C P	Atomic structure	Mrs Impana Appaji
	4AD14CS025	DEEPTHI S		
9	4AD14CS026	GOWTHAM B M	Hangman	Mr Sharath H A
	4AD14CS028	HARSHITH GOWDA C		
10	4AD14CS030	HARSHITHA H S	Life cycle of a butterfly	Mr Anand Kumar H N
	4AD14CS033	JEEVITHA M A		
11	4AD14CS034	KAVYA TN	Celestial Exploratory	Ms Keerthana M M
	4AD14CS035	MADNI AFROZE		
12	4AD14CS036	MANASA M	Fun World	Mr Kiran B
	4AD14CS038	MANJUNATH R		
13	4AD14CS039	MEGHANA B S	3 Ways of Transportation	Mr Anil Kumar B H
	4AD14CS041	NAVYA N V		
14	4AD14CS042	NEERAJ AGARWAL	Phases of moon	Mrs. Sneha C R
	4AD14CS045	PRAKRUTHI		
15	4AD14CS048	RAJANI K C	3D House	Mr. Sachin Acharya T
	4AD14CS049	RAKSHITHA B H		
16	4AD14CS051	RISHIKA .R	Automatic street light	Ms Keerthana M M
	4AD14CS052	ROHINI N A		
17	4AD14CS055	SANDHYA GN	The Snow Terrene	Mr Shrinivasa G
	4AD14CS056	SANJANA H		
18	4AD14CS057	SANJAY R	Tom and Jerry	Mr Ajay Kumar B R
	4AD14CS058	SHARATHKUMAR G S		
19	4AD14CS059	SHILPA C	Up hill bike rider	Mrs sneha N P
	4AD14CS061	SHRIVATHSA J V		
20	4AD14CS063	SPOORTHI G	Simulation of seasons	JASWANTH
	4AD14CS066	SUSHMA M		
21	4AD14CS067	USHA R	Solar system	Sushma V
	4AD14CS069	VARSHAPRIYA M R		
22	4AD14CS070	VASU V	Day and Night Color	Shruthi P
	4AD14CS071	YASHASWINI V		