

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### 1.3.3 EXPERIENTIAL LEARNING

#### INDEX

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## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### 1.3.3- Experiential Learning


**Academic Year: 2020-21 (Internship)**

SNo	Reg.No of the Students	Name of the Students	Name of the Course that include experiential learning	Name of the Company
1.	821117105001	Adhavan.S	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
2.	821117105002	Divya bharath R	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
3.	821117105003	Ganesan E	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
4.	821117105004	Hariharan R	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
5.	821117105005	Ishwarya.N	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
6.	821117105006	Mano.M	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
7.	821117105007	Nandhini.M	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
8.	821117105008	Prabhakaran.K	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
9.	821117105009	Priyadharshini.R	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
10.	821117105010	Raghul.P	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
11.	821117105011	Sudharsan.S	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-

12.	821117105012	Sindhu.S	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
13.	821117105013	Vijay.C	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
14.	821117105301	Gopinath P	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
15.	821117105302	Hariharan S	IC8451 - Control Systems	STEPUP CONTROLS, Tiruvallur-
16.	821118105011	Jayaprakash.R	EE8691 - Embedded Systems	The National Small Industries Corporation Ltd Technical Services Centre, Hyderabad.
17.	821118105010	Karthikeyan.K	EE8691 - Embedded Systems	The National Small Industries Corporation Ltd Technical Services Centre, Hyderabad.
18.	821118105015	Mohamed Halith.S	EE8691 - Embedded Systems	The National Small Industries Corporation Ltd Technical Services Centre, Hyderabad.
19.	821118105023	Vasanth.K	EE8691 - Embedded Systems	The National Small Industries Corporation Ltd Technical Services Centre, Hyderabad.
20.	821118105002	Akesh Sathya.A	EE8691 - Embedded Systems	The National Small Industries Corporation Ltd Technical Services Centre, Chennai.
21.	821119105003	Pandidevi.P	EE8301 - Electrical Machines-I	Bharath Electric Motors, Coimbatore
22.	821119105006	Regina.R	EE8301 - Electrical Machines-I	Bharath Electric Motors, Coimbatore
23.	821119105002	Krishna.M.E	EE8301 - Electrical Machines-I	Bharath Electric Motors, Coimbatore
24.	821119105301	Sarathkumar.A	EE8301 - Electrical Machines-I	Bharath Electric Motors, Coimbatore



<b>Academic Year: 2020-21 (Project Field Visit)</b>				
25.	821117105005	Ishwarya.N	EE8691 - Embedded Systems	Armada Industrial Automation, Thanjavur
26.	821117105007	Nandhini.M	EE8691 - Embedded Systems	Armada Industrial Automation, Thanjavur
27.	821117105009	Priyadharshini.R	EE8691 - Embedded Systems	Armada Industrial Automation, Thanjavur
28.	821117105011	Sindhu.S	EE8691 - Embedded Systems	Armada Industrial Automation, Thanjavur
29.	821117105006	Mano.M	IC8451 - Control Systems	Armada Industrial Automation, Thanjavur
30.	821117105008	Prabhakaran.K	IC8451 - Control Systems	Armada Industrial Automation, Thanjavur
31.	821117105013	Vijay.C	IC8451 - Control Systems	Armada Industrial Automation, Thanjavur
32.	821117105302	Hariharan S	IC8451 - Control Systems	Armada Industrial Automation, Thanjavur
33.	821117105001	Adhavan.S	IC8451 - Control Systems	AR Driving School, Kannai
34.	821117105010	Raghul.P	IC8451 - Control Systems	AR Driving School, Kannai
35.	821117105012	Sudharsan.S	IC8451 - Control Systems	AR Driving School, Kannai
36.	821117105002	Divya bharath R	EE8402 - Transmissions and Distribution	Sub-station (SS) - 110kV / 11kV Thirukanurpatti.
37.	821117105003	Ganesan E	EE8402 - Transmissions and Distribution	Sub-station (SS) - 110kV / 11kV Thirukanurpatti.
38.	821117105004	Hariharan R	EE8402 - Transmissions and Distribution	Sub-station (SS) - 110kV / 11kV Thirukanurpatti.
39.	821117105301	Gopinath P	EE8402 - Transmissions and Distribution	Sub-station (SS) - 110kV / 11kV Thirukanurpatti.

  
HOD/EEE



**STEPUP****CONTROLS**

# STEPUP CONTROLS

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77  
Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Mr. S.ADHAVAN** (821117105001) final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls**, Ambattur, Tiruvallur-77 from 27.10.2020 to 30.11.2020.

During this training, he gained knowledge on **Industrial Automation**. His conduct and character was **good**.

We wish him all success.

With Regards,

FOR STEPUP CONTROLS

*A. Praveen*  
1/12/2020



AUTHORIZED SIGNATORY

PRAVEEN.A (Tech-Lead)

Mob:8778905833

STEPUP

CONTROLS

# STEPUP CONTROLS

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77

Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Mr.DIVYA BHARATH R (821117105002)** final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, he gained knowledge on **Industrial Automation**. His conduct and character was **good**.

We wish him all success.

With Regards,

FOR STEPUP CONTROLS

*A. Praveen*  
11/12/2020

AUTHORIZED SIGNATORY

PRAVEEN.A (Tech-Lead)

Mob:8778905833



**STEPUP****CONTROLS**

# STEPUP CONTROLS

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77

Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Mr.E.GANESAN (821117105003)** final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, he gained knowledge on **Industrial Automation**. His conduct and character was **good**.

We wish him all success.

With Regards,

FOR STEPUP CONTROLS

*A. Praveen*  
12/12/2020



AUTHORIZED SIGNATORY

PRAVEEN.A (Tech-Lead)

Mob:8778905833



**STEPUP****CONTROLS**

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1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77  
Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Mr. R.HARIHARAN (821117105004)** final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, he gained knowledge on **Industrial Automation**. His conduct and character was **good**.

We wish him all success.

With Regards,

FOR STEPUP CONTROLS

*A. Praveen*  
1 | 12 | 2020



AUTHORIZED SIGNATORY

PRAVEEN.A (Tech-Lead)

Mob:8778905833

**STEPUP****CONTROLS**

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1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77

Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Ms.N.ISHWARYA** final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, she gained knowledge on **Industrial Automation**. Her conduct and character was **good**.

We wish her all success.

With Regards,

FOR STEPUP CONTROLS

*A. Praveen*  
1/12/2020

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PRAVEEN.A (Tech-Lead)

Mob:8778905833



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Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Mr.M.MANO (821117105006)** final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, he gained knowledge on **Industrial Automation**. His conduct and character was **good**.

We wish him all success.

With Regards,

FOR STEPUP CONTROLS

*A. Praveen*  
1/12/2020



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PRAVEEN.A (Tech-Lead)

Mob:8778905833



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1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77  
Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## **INTERNSHIP CERTIFICATE**

Date: 01.12.2020

This is to certify that **Ms.M.NANDHINI** final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, she gained knowledge on **Industrial Automation**. Her conduct and character was **good**.

We wish her all success.

With Regards,

FOR STEPUP CONTROLS

*A. Praveen*  
1/12/2020

AUTHORIZED SIGNATORY

PRAVEEN.A (Tech-Lead)

Mob:8778905833



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Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Mr.K.PRABHAKARAN (821117105008)** final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, he gained knowledge on **Industrial Automation**. His conduct and character was **good**.

We wish him all success.

With Regards,

FOR STEPUP CONTROLS

*A. Praveen*  
1 | 12 | 2020



AUTHORIZED SIGNATORY

PRAVEEN.A (Tech-Lead)

Mob:8778905833

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77

Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

### INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Ms.R.PRIYADHARSHINI** final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, she gained knowledge on **Industrial Automation**. Her conduct and character was **good**.

We wish her all success.

With Regards,

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*A. Praveen*  
1/12/2020



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Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Mr.P.RAGHUL (821117105010)** final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, he gained knowledge on **Industrial Automation**. His conduct and character was **good**.

We wish him all success.

With Regards,

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*A. Praveen*  
1 | 12 | 2020



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Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Ms.S.SINDHU** final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, she gained knowledge on **Industrial Automation**. Her conduct and character was **good**.

We wish her all success.

With Regards,

FOR STEPUP CONTROLS

*A. Praveen*  
1/12/2020

AUTHORIZED SIGNATORY

PRAVEEN.A (Tech-Lead)

Mob:8778905833



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Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Mr.S.SUDHARSAN** (821117105012) final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, he gained knowledge on **Industrial Automation**. His conduct and character was **good**.

We wish him all success.

With Regards,

FOR STEPUP CONTROLS

*A. Praveen*  
1 | 12 | 2020



AUTHORIZED SIGNATORY

PRAVEEN.A (Tech-Lead)

Mob:8778905833



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Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Mr.C.VIJAY** (821117105013) final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, he gained knowledge on **Industrial Automation**. His conduct and character was **good**.

We wish him all success.

With Regards,

FOR STEPUP CONTROLS

*A. Praveen*  
1/12/2020

AUTHORIZED SIGNATORY

PRAVEEN.A (Tech-Lead)

Mob:8778905833



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Contact: 9976820233, 9944081123, GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Mr.P.GOPINATH (821117105301)** final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

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We wish him all success.

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*A. Praveen*  
1 | 12 | 2020

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PRAVEEN.A (Tech-Lead)

Mob:8778905833



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1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77

Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

## INTERNSHIP CERTIFICATE

Date: 01.12.2020

This is to certify that **Mr.S.HARIHARAN (821117105302)** final year Electrical & Electronics Engineering student of **KINGS COLLEGE OF ENGINEERING, PUNALKULAM** has done internship training (online mode) at our organization **Step Up Controls, Ambattur, Tiruvallur-77** from 27.10.2020 to 30.11.2020.

During this training, he gained knowledge on **Industrial Automation**. His conduct and character was **good**.

We wish him all success.

With Regards,

FOR STEPUP CONTROLS

*A. Praveen*  
1/12/2020

AUTHORIZED SIGNATORY

PRAVEEN.A (Tech-Lead)

Mob:8778905833





No. : 10428



एन एस आई सी  
N S I C

राष्ट्रीय लघु उद्योग निगम लिमिटेड

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED

(A Govt. of India Enterprise)

**NSIC - TECHNICAL SERVICES CENTRE,**

Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032

## CERTIFICATE

This is to certify that Mr./Ms **A.AKESH SATHIYA**  
S/o/ D/o Shri, **S.AGASTEEN** student of III year B.E(EEE),  
**KINGS COLLEGE OF ENGINEERING**, has undergone  
Internship Training on **Industrial Embedded with**  
**Android Application Development using IOT** at our  
centre for a period of Two weeks from 18.01.2021 to  
01.02.2021.



  
HEAD OF TRAINING

  
HEAD OF CENTRE





राष्ट्रीय लघु उद्योग निगम—तकनीकी सेवा केन्द्र  
**THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.**  
**TECHNICAL SERVICES CENTRE**

(भारत सरकार का उद्यम / A Government of India Enterprises)  
ई.सी.आई.एल. एक्स रोड, कुशाईगुडा, हैदराबाद - 500062, तेलंगाना, भारत  
E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 180555

दिनांक / Date: 09/07/2021

**E - CERTIFICATE**

This is to certify that Mr. / Ms. R Jayaprakash  
son/daughter of Mr. T Rajan pursuing BE in EEE from  
(College Name) KINGS COLLEGE OF ENGINEERING  
Roll No. 821118105010 has successfully completed the Internship Program  
entitled/in the area of INDUSTRIAL INTERNET OF THINGS (IIOT)

\_\_\_\_\_ under  
our guidance. It is a bonafide work carried out by her/him from 14/06/2021 to 28/06/2021  
He/She has completed the assigned module as per the requirements within the time frame  
During the above period, the trainee's conduct was found Good

  
Project Coordinator



  
Centre Head



राष्ट्रीय लघु उद्योग निगम—तकनीकी सेवा केन्द्र  
**THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.**  
**TECHNICAL SERVICES CENTRE**

(भारत सरकार का उद्यम / A Government of India Enterprises)  
ई.सी.आई.एल. एक्स रोड, कुशागुडा, हैदराबाद — 500062, तेलंगाना, भारत  
E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 180553

दिनांक / Date: 09/07/2021

**E – CERTIFICATE**

This is to certify that Mr. / Ms. Karthikeyan K  
son/daughter of Mr. S Kumar Aguru pursuing BE in EEE from  
(College Name) KINGS COLLEGE OF ENGINEERING  
Roll No. 821118105011 has successfully completed the Internship Program  
entitled/in the area of INDUSTRIAL INTERNET OF THINGS (IIOT)

\_\_\_\_\_ under  
our guidance. It is a bonafide work carried out by her/him from 14/06/2021 to 28/06/2021  
He/She has completed the assigned module as per the requirements within the time frame  
During the above period, the trainee's conduct was found Good

  
Project Coordinator



  
Centre Head



राष्ट्रीय लघु उद्योग निगम-तकनीकी सेवा केन्द्र  
**THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.**  
**TECHNICAL SERVICES CENTRE**

(भारत सरकार का उद्यम / A Government of India Enterprises)  
ई.सी.आई.एल. एक्स रोड, कुशागुडा, हैदराबाद - 500062, तेलंगाना, भारत  
E.C.I.L.X Road, Kuchaiguda, Hyderabad - 500062, Telangana, India



क्रमांक / S.No. 180556

दिनांक / Date: 09/07/2021

**E - CERTIFICATE**

This is to certify that Mr. / Ms. S Mohamed Halith  
son/daughter of Mr. A Shajahan pursuing BE in EEE from  
(College Name) KINGS COLLEGE OF ENGINEERING  
Roll No. 821118105015 has successfully completed the Internship Program  
entitled/in the area of INDUSTRIAL INTERNET OF THINGS (IIOT)

\_\_\_\_\_ under  
our guidance. It is a bonafide work carried out by her/him from 14/06/2021 to 28/06/2021

He/She has completed the assigned module as per the requirements within the time frame  
During the above period, the trainee's conduct was found Good

  
Project Coordinator



  
Centre Head





राष्ट्रीय लघु उद्योग निगम—तकनीकी सेवा केन्द्र  
**THE NATIONAL SMALL INDUSTRIES CORPORATION LTD**  
**TECHNICAL SERVICES CENTRE**

(भारत सरकार का उपम / A Government of India Enterprises)  
ई.सी.आई.एल. एक्स रोड, कुशागुडा, हैदराबाद - 500062, तेलंगाना, भारत  
E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 180557

दिनांक / Date: 09/07/2021

**E - CERTIFICATE**

This is to certify that Mr. / Ms. Vasanth K  
son/daughter of Mr. Kalimuthu S pursuing BE in EEE from  
(College Name) KINGS COLLEGE OF ENGINEERING  
Roll No. 821118105023 has successfully completed the Internship Program  
entitled/in the area of INDUSTRIAL INTERNET OF THINGS (IIOT)

\_\_\_\_\_ under  
our guidance. It is a bonafide work carried out by her/him from 14/06/2021 to 28/06/2021  
He/She has completed the assigned module as per the requirements within the time frame  
During the above period, the trainee's conduct was found Good

  
Project Coordinator



  
Centre Head





Date: 29.06.2021

**TO WHOM IT MAY CONCERN**

This is to certify that **Mr.M.E.KRISHNA** Pursuing **B.E (EEE)** in **KINGS COLLEGE OF ENGINEERING**, Pudukottai has attended an Internship in the area of **ELECTRICAL MACHINES** at our organization **BHARATH ELECTRIC MOTORS**, Coimbatore from 14.06.2021 to 28.06.2021.

Wishing him the very best forever.

With regards

**Bharath Electric Motors**

Kuniyamuthur,

Coimbatore - 641 006



Date: 29.06.2021

**TO WHOM IT MAY CONCERN**

This is to certify that **Ms.P.PANDIDEVI** Pursuing **B.E (EEE)** in **KINGS COLLEGE OF ENGINEERING**, Pudukottai has attended an Internship in the area of **ELECTRICAL MACHINES** at our organization **BHARATH ELECTRIC MOTORS, Coimbatore** from **14.06.2021** to **28.06.2021**.

Wishing him the very best forever.

With regards

**Bharath Electric Motors**  
Kuniyamuthur,  
Coimbatore - 641 008



Date: 29.06.2021

TO WHOM IT MAY CONCERN

This is to certify that **Ms.R.REGINA** Pursuing B.E (EEE) in **KINGS COLLEGE OF ENGINEERING**, Pudukottai has attended an Internship in the area of **ELECTRICAL MACHINES** at our organization **BHARATH ELECTRIC MOTORS, Coimbatore** from 14.06.2021 to 28.06.2021.

Wishing him the very best forever.

With regards

*[Signature]*

Bharath Electric Motors

Kuniyamuthur,

Coimbatore - 641 004

No.24, Lakshmi Nagar, 3rd Cross, Edayarpalayam Road, Kuniyamuthur, Coimbatore - 8.



Date: 29.06.2021

TO WHOM IT MAY CONCERN

This is to certify that **Mr.A.SARATHKUMAR** Pursuing B.E (EEE) in **KINGS COLLEGE OF ENGINEERING**, Pudukottai has attended an Internship in the area of **ELECTRICAL MACHINES** at our organization **BHARATH ELECTRIC MOTORS, Coimbatore** from 14.06.2021 to 28.06.2021.

Wishing him the very best forever.

With regards

*(Signature)*

**Bharath Electric Motors**

Kanyamuthur,  
Coimbatore - 641 006





## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**Academic Year 2020-21 Even**

### Report – Internship

<b>Name of the Company</b>	: Step Up Controls, Thiruvallur-77
<b>Title of the Training</b>	: Industrial Automation
<b>Number of Students Attended</b>	: 15
<b>Duration</b>	: 4 Weeks
<b>Period</b>	: 27.10.2020 to 30.11.2020
<b>Mode</b>	: Virtual Mode

#### **Importance of Internship Training:**

An internship is an experiential learning opportunity that offers an invaluable chance for students to network and build crucial professional connections before they even graduate.

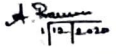

Here are a few reasons why college internships are so vital to aid in your career readiness:

- Career Development
- Character Growth
- A Door to Opportunity
- Real-Life Application

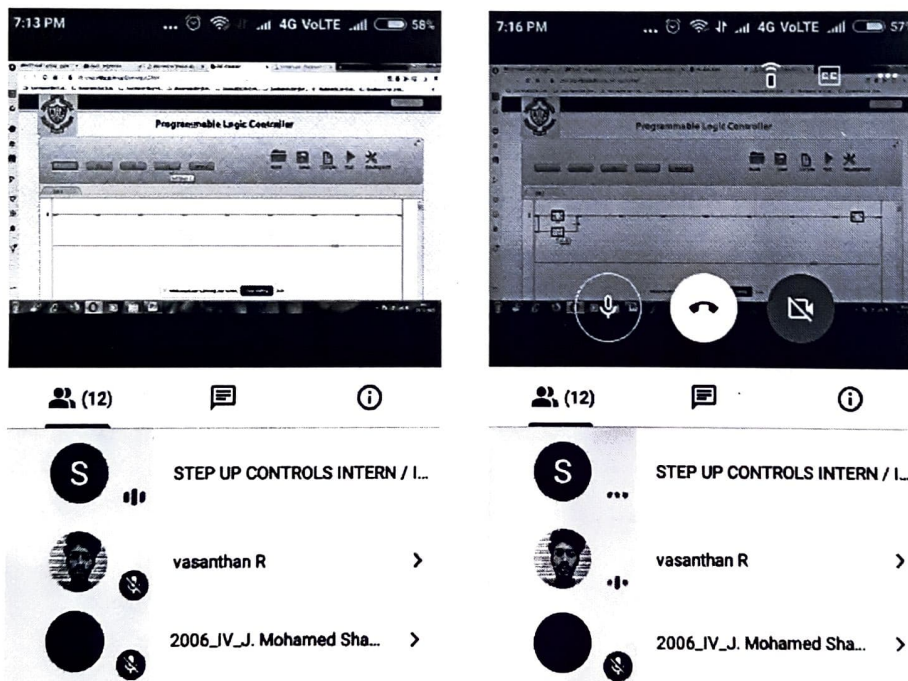
#### **During internship period we learned the following things:**

- Client approach
- Project Development
- BOM – Bill of Material
- GA – General Arrangement
- Transportation
- Testing
- Commissioning

## Sample Certificates:

STEPUP CONTROLS	
121A, Appapathan Housing Board Road, Ambattur, Chennai-77 Contact: 977805553, 994991148, 994991148, 994991148, 994991148	
<b>INTERNSHIP CERTIFICATE</b>	
Date: 01.12.2020	
This is to certify that <b>Ms. N. KISHWARYA</b> final year Electrical & Electronics Engineering student of <b>KINGS COLLEGE OF ENGINEERING, FUNAKULAM</b> has done internship training (online mode) at our organization <b>Step Up Controls, Ambattur, Chennai-77</b> from <b>27.10.2020 to 30.11.2020</b> .	
During this training, she gained knowledge on Industrial Automation. Her conduct and character was good.	
We wish her all success.	
With Regards, FOR STEPUP CONTROLS	
	
AUTHORIZED SIGNATORY <b>PRAVEENA (Tech-Lead)</b> Mob: 877805553	

## Sample Screen Shot from Internship Class:



## Report submitted by

R. Haseen  
P. Chakraborty  
C. Vign  
A. B. G. S. S. S. S.  
N. I. S. S. S.

S. J. S. S. S.

IHT Co-ordinator / EEE

  
HOD/EEE



## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Academic Year 2020-21 Even

### Report – Internship

**Name of the Company** : The National Small Industries Corporation Ltd  
**Title of the Training** : Industrial Internet of Things  
**Number of Students Attended** : 04  
**Duration** : 2 - Weeks  
**Period** : 14.06.2021 to 28.06.2021  
**Mode** : Virtual Mode

#### Importance of Internship Training:

An internship is an experiential learning opportunity that offers an invaluable chance for students to network and build crucial professional connections before they even graduate.

National Small Industries Corporation (NSIC), is an ISO 9001:2015 certified Government of India Enterprise under Ministry of Micro, Small and Medium Enterprises (MSME). NSIC has been working to promote, aid and foster the growth of micro, small and medium enterprises in the country. NSIC operates through countrywide network of offices and Technical Centres in the Country. In addition, NSIC has set up Training cum Incubation Centre managed by professional manpower.

#### Mission:

“To promote and support Micro, Small & Medium Enterprises (MSMEs) Sector” by providing integrated support services encompassing Marketing, Technology, Finance and other services.

#### Vision:

“To be a premier Organization fostering the growth of Micro, Small and Medium Enterprises (MSMEs) Sector”.

**NSIC offers small enterprises the following support services through its Technical Services Centres and Extension Centres:**

- Advise on application of new techniques
- Material testing facilities through accredited laboratories
- Product design including CAD
- Common facility support in machining, EDM, CNC, etc.
- Energy and environment services at selected centres
- Classroom and practical training for skill upgradation

NSIC Technical Services Centres are located at the following places:

Name of the Centre	Focus area
Chennai	Leather & Footware
Howrah	General Engineering
Hyderabad	Electronics & Computer Application
New Delhi	Machine Tools & related activities
Rajkot	Energy Audit & Energy Conservation activities
Rajpura (Pb)	Domestic Electrical Appliances
Aligarh (UP)	Lock Cluster & Die and Tool making
Neemka (Haryana)	Machine Tools & related activities

Report submitted by

K. ~~Barthikey~~  
A. ~~Barthikey~~  
K. ~~Barthikey~~  
S. ~~Barthikey~~

S. A. ~~Barthikey~~  
IHT Co-ordinator / EEE

~~Barthikey~~  
HOD/EEE





## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**Academic Year 2020-21 Even**

### Report – Internship

<b>Name of the Company</b>	: Bharath Electric Motors
<b>Title of the Training</b>	: Electrical Machines
<b>Number of Students Attended</b>	: 04
<b>Duration</b>	: 2 - Weeks
<b>Period</b>	: 14.06.2021 to 28.06.2021
<b>Mode</b>	: Virtual Mode

#### **Importance of Internship Training:**

An internship is an experiential learning opportunity that offers an invaluable chance for students to network and build crucial professional connections before they even graduate.

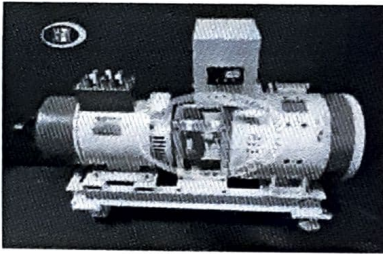
#### **During internship period we learned the following things:**

- Client approach
- Project Development
- BOM – Bill of Material
- GA – General Arrangement
- Transportation
- Testing of Motors
- Commissioning

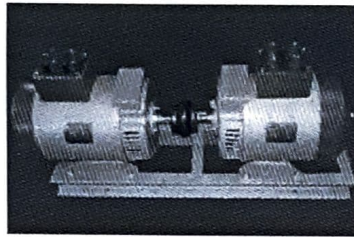
#### **Testing of following Motors were done:**

- DC Long Shunt Motor
- 5HP DC Shunt Motor Coupled To 3 KVA Single Phase Alternator
- 7.5 HP DC Shunt Motor with 5HP Alternator with Digital Tacho
- DC Shunt Motor

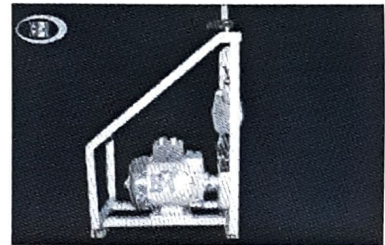
## Sample Pictures:



7.5 HP DC Shunt Motor with 5HP  
Alternator with Digital Tacho



5HP DC Shunt Motor Coupled To 3 KVA  
Single Phase Alternator



DC Motors With Mechanical Load

Report submitted by

L. Ravia  
P. Pandiella  
No. 10  
S. Senthil Kumar

S. J. Senthil Kumar  
IHT Co-ordinator / EEE

  
HOD/EEE

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
**Field Visit –Project Work (2017-2021 BATCH)**

S. No	Batch No	Register number	Name of the students	Title	Place of Field Visit / Date
1	<b>I</b>	821117105005	ISHWARYA.N	Touch Free Smart Gadget / Non Conduct Attendance Monitoring System	Armada Industrial Automation, Thanjavur / 31.12.2020
2		821117105007	NANDHINI.M		
3		821117105009	PRIYADHARSHINI.R		
4		821117105011	SINDHU.S		
5	<b>II</b>	821117105002	DIVYA BHARATH.R	IOT based Monitoring and control of Distribution Transformer and Transmission lines	Sub-station (SS) - 110kV / 11kV Thirukanurpatti. / 04.01.2021
6		821117105003	GANESAN.E		
7		821117105004	HARIHARAN.R		
8		821117105301	GOPINATH.P		
9	<b>III</b>	821117105006	MANO.M	Design and Implementation of Electric vehicle for Agricultural Multipurpose.	Armada Industrial Automation, Thanjavur / 04.01.2021
10		821117105008	PRABHAKARAN.K		
11		821117105013	VIJAY.C		
12		821117105302	HARIHARAN.S		
13	<b>IV</b>	821117105001	ADHAVAN.S	Implementation of Smart Vehicles with Auto rules following system	AR Driving School, Kannai / 02.01.2021
14		821117105010	RAGHUL.P		
15		821117105012	SUDHARSAN.S		





# TOUCH FREE SMART GADGET

Department of Electrical & Electronics Engineering

## FIELD VISITREPORT

Submitted by,

N.Ishwarya [821117105005]

M.Nandhini [821117105007]

R.Priyadharshini [821117105009]

S.Sindhu [821117105011]

BATCH NO:I

  
31/01/2024  
Project coordinator

  
Project Guide

# FIELD VISIT CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms.N.ISHWARYA (821117105005) Student of Kings College of Engineering,Punalkulam,Thanjavur.Has visited our laboratory(ARMADA INDUSTRIAL AUTOMATION) on 31st december2020(2:00PM to 5:00PM) regarding their final year project on the title of "TOUCH FREE SMART GADGET" .The student was interacted with our esteemed organization.

For- ARMADA INDUSTRIAL AUTOMATION



Authorised Signatory

Director

# FIELD VISIT CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms.M.NANDHINI (821117105007) Student of Kings College of Engineering,Punalkulam,Thanjavur.Has visited our laboratory(ARMADA INDUSTRIAL AUTOMATION) on 31st december2020(2:00PM to 5:00PM) regarding their final year project on the title of "TOUCH FREE SMART GADGET" .The student was interacted withour esteemed organization.

For- ARMADA INDUSTRIAL AUTOMATION



Authorised Signatory

Director

# FIELD VISIT CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms.R.PRIYADHARSHINI(821117105009) Student of Kings College of Engineering,Punalkulam,Thanjavur.Has visited our laboratory(ARMADA INDUSTRIAL AUTOMATION) on 31st december2020(2:00PM to 5:00PM) regarding their final year project on the title of "TOUCH FREE SMART GADGET" .The student was interacted withour esteemed organization.

For- ARMADA INDUSTRIAL AUTOMATION



Authorized Signatory

Director



# FIELD VISIT CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms.S.SINDHU(821117105011) Student of Kings College of Engineering,Punalkulam,Thanjavur.Has visited our laboratory(ARMADA INDUSTRIAL AUTOMATION) on 31st december2020(2:00PM to 5:00PM) regarding their final year project on the title of "TOUCH FREE SMART GADGET" .The student was interacted withour esteemed organization.

For- ARMADA INDUSTRIAL AUTOMATION



Authorised Signatory

Director

## Summary:

It was a good experience ,which has provided a exposure to our batch members. In our batch benefited in terms of technical details provided by the laboratory. We enjoyed the technical endeavor at this laboratory a lot K.Amirtha ganesh appreciated our batch members after visiting session ,like,our visit seems to be very happy.





# KINGS

COLLEGE OF ENGINEERING

PUNALKULAM, THANJAVUR - 613 303

A NAAC ACCREDITED INSTITUTION

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai



TÜVRheinland®  
**CERT**  
ISO 9001

## IOT BASED MONITORING & CONTROL OF DISTRIBUTION TRANSFORMER AND TRANSMISSION LINE

Department of Electrical & Electronics Engineering

### FIELD VISIT REPORT

*Submitted by,*

R. DIVYABHARATH (821117105002)

E. GANESAN (821117105004)

P. GOPINATH (821117105010)

R. HARIHARAN (821117105302)

**BATCH NO : II**

**Guided by,**

Mr. S. R. KARTHIKEYAN - AP/EEE

*S. R. Karthikeyan 4/1/2021*  
**PROJECT GUIDE**

Mr.S.R.KARTHIKEYAN, AP/EEE

*Sundaramoorthy 4/1/2021*  
**PROJECT COORDINATOR**

Mr. SUNDARAMOORTHY, AP/EEE



## FILED VISIT



FIGURE : PICTURE IN FILED VISIT REPORT



## FIELD VISIT REPORT

As per the instruction given by project co-ordinator & our project guide, we visited TNEB Thirukanurpatti. Sub Station (SS) 110kV / 11kV with prior permission on 04.01.2021.



### **Details about Visit:**

110kV / 11kV

2 - Power Transformer each 10 MVA

2 - Breakers LV1 & LV2

7 - Feeders

- i. Nagapudiyampatti
- ii. Alupatti
- iii. Kurugulam
- iv. Thirukanurpatti
- v. Arputhapuram
- vi. Thangapudaiyampatti
- vii. Industrial Feeder

### **By**

R.Divyabharath - IV EEE

E.Ganesan - IV EEE

R.Hariharan - IV EEE

P.Gopinath - IV EEE



# KINGS COLLEGE OF ENGINEERING

PUNALKULAM, THANJAVUR-613 303

## DESIGN AND IMPLEMENTATION OF SOLAR INTEGRATED ELECTRIC VEHICLE FOR AGRICULTURAL PURPOSE

Department of Electrical & Electronics Engineering

### FIELD VISIT REPORT

Batch NO:03

First Review

**Submitted by:**

M.Mano (821117105006)  
K.Prabhakaran (821117105008)  
C.Vijay (821117105013)  
S.Hariharan (821117105302)

**Project Guide:**

Mr.R.Sundaramoorthi AP/EEE

**Project coordinator:**

Mr.R.Sundaramoorthi AP/EEE

*Sundaramoorthi*  
6/10/2021.

# FIELD VISIT REPORT

Presented by,

M.Mano (821117105006)

K.Prabhakaran (821117105008)

C.Vijay (821117105013)

S.Hariharan (821117105302)

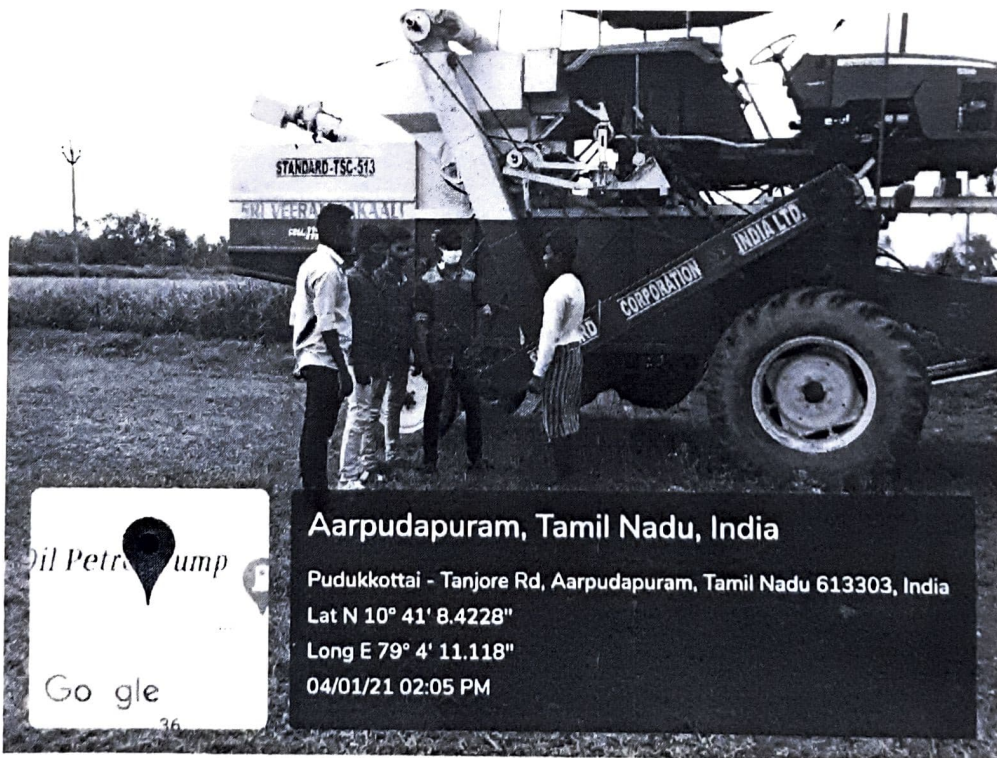
## About the Visit:

The Department of Electrical & Electronics engineering is organized a half day project related field visit to Armada Industrial Automation, Thanjavur for our batch members, B.E. Final year Electrical & Electronics Engineering.

The Visit was organized with the permissions & guidance of project coordinator and project guide Mr.R.Sundaramoorthi AP/EEE department of EEE and our batch members. Our batch members have taken hard efforts and initiative which made this visit a grand success.

## Detail about Our visit:

- 1.We reached Armada Industrial Automation at afternoon.
- 2.First we met the senior engineer and introduced ourselves then we met machine supervisor of that Industry.



3. We are taking knowledge agricultural based equipment and electrical equipment with agricultural lands.

4. We got a lot of information about the controllers, converters and solar.

5. We got a lot of information about agricultural machinery's and battery management in electric vehicle.

6. We discussed about how to design central control unit.

7. At last we got an information about the needs of components to monitoring system and reliability features of electrical vehicle.

### **Summary:**

It was a good experience, which has provided an exposure to our batch members. In our batch benefited in terms of the technical details provided by the Industry. We enjoyed the technical endeavor at this Industry lot, Senior Engineer appreciated our batch members after visiting session, like our visit seems to be very happy.





PUNALKULAM , THANJAVUR-613 303

Department of Electrical & Electronics Engineering

**IMPLEMENTATION OF SMART VEHICLES WITH AUTO RULES  
FOLLOWING SYSTEM**

**FIELD VISIT REPORT**

**BATCH NO : IV**

**Submitted by,**

S.ADHAVAN (821117105001)

P.RAGHUL (821117105010)

S.SUDHARSAN (821117105012)

  
**Project Coordinator**

  
**Project Guide**

## FIELD VISIT REPORT

BY

S.Adhavan 821117105001

P.Raghul 821117105010

S.Sudharsan 821117105012

### About the visit:

The department of Electrical and Electronics Engineering organized a half day project related visit to Kannai AR Driving School on 2<sup>nd</sup> January 2021 for our batch members, B.E.final year Electrical and Electronics Engineering.

The visit was organized with the prior permission and guidance of project coordinator Mr.R.Sundaramoorthi-AP/EEE and project guide Mr.C.JohnSelvaraj-AP/EEE department of EEE and our batch members. Our batch members have taken hard efforts and initiative which made this visit a grand success.

### Details about our visit:

1. We reached at Kannai AR Driving School at morning
2. First we met the senior driving teacher and introduced ourselves then we met another teaching members in the driving school



3. Mr.S.Mohan driving teacher he told about the driving rules and problems in rules following
4. At last we got lot of information about the rules and problem statements


### **Summary:**

It was a good experience, which has provided a exposure to our batch members. In our batch benefited in terms of the technical details provided by the driving school. We enjoyed the technical endeavor at this School a lot , Mr.S.Mohan appreciated our batch members after visiting session, like our visit seems to be very happy

## FIELD VISIT CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr.S.SUDHARSAN (821117105012) Student of Kings College of Engineering,Punalkulam,Thanjavur.Has visited our Driving school(KANNAI AR DRIVING SCHOOL) on 2nd January(10:00AM to 01:00PM) regarding their final year project on the title of "IMPLEMENTATION OF SMART VEHICLES WITH AUTO RULES FOLLOWING SYSTEM" .The student was interacted withour esteemed organization.

  
Director  
**KANNAI AR DRIVING SCHOOL,**  
150 4th Street, AVPalagammal Nagar,  
Near New Bus Stand, Thanjavur-613 005  
Cell:98261 05841



## FIELD VISIT CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr.P. RAGHUL (821117105010) Student of Kings College of Engineering,Punalkulam,Thanjavur.Has visited our Driving school(KANNAI AR DRIVING SCHOOL) on 2nd January(10:00AM to 01:00PM) regarding their final year project on the title of "IMPLEMENTATION OF SMART VEHICLES WITH AUTO RULES FOLLOWING SYSTEM" .The student was interacted withour esteemed organization.



Director

**KANNAI AR DRIVING SCHOOL,**  
150 4th Street, AVP Alagammal Nagar,  
Near New Bus Stand, Thanjavur-613 005.  
Cell:96201 05841

## FIELD VISIT CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr.S. ADHAVAN(821117105001) Student of Kings College of Engineering,Punalkulam,Thanjavur.Has visited our Driving school(KANNAI AR DRIVING SCHOOL) on 2nd January(10:00AM to 01:00PM) regarding their final year project on the title of "IMPLEMENTATION OF SMART VEHICLES WITH AUTO RULES FOLLOWING SYSTEM" .The student was interacted withour esteemed organization.



Director

**KANNAI AR DRIVING SCHOOL,**

150 4th Street, AVP Alagammal Nagar,

Heat New Bus Stand, Thanjavur-613 005

Cell: 96201 05841