

This is certifying that Ms. Aarthi Thiravidamani (Employee ID: I20865) student of Thiagarajar College of Engineering, Madurai is undergoing her internship for a span of 6 months in ATMEL CAE group of Microchip Technology, Chennai from December 11, 2017.

The title of her Project is "Inspection and Monitoring Power Transmission Lines using Tricopter".

The project on evaluation fulfills all stated criteria and your findings are your original work.

In the duration of internship, her candidature was found sincere and hardworking.

We congratulate her and wish her bright future.

Sincerely,

For Microchip Technology (India) Pvt. Ltd.

Sam Wilson

**Human Resources** 

Date: April 19, 2018

Bosch Rexroth India Pvt, Ltd.
Co.CIN -U29120GJ1974PLC002468
Sanand Viramgam Highway
Mouje Iyava, Taluka Sanand
District Ahmedabad - 382 170
Tel. +91(02717)678241
www.boschrexroth.co,in

Date: - April 4, 2018. Place: - Bangalore

Dr.M.Palaninatharajan, Professor and Head, Department of Mechatronics, Thiagarajar College of Engineering, Madurai – 625 015.

Nithan H T, Human Resources Tel. +91 (0)80 66087751 nithan.nt@boschrexroth.co.in

Dear Sir.

This is to certify that your student Mr.P. Jayasooriya has completed his internship on "Integration of lab view with Rexroth controllers" with us during the period starting from 8th January 2018 to 4th April 2018.

He has completed his internship successfully and to our satisfaction.

We wish him all the best for his future endeavors.

Sincerely,

Bosch Rexroth (India) Pvt, Ltd.

Nithan H T

Manager - Human Resources

Municipal No 31, Sy No 37/1, Nadekerappa Industrial Area Andrahalli, Bangalore - 91 Ph no 080 6608770.



Project Office: 15, Rajiv Street, Keelkattalai, Chennai 600117. Phone: +91 9442266711

April 12, 2018

#### **TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr. G. S. PRASANNA BALAJI studying B.E. (Mechatronics), 4<sup>th</sup> year at Thiagarajar College of Engineering, Madurai has worked as Intern with AltairQ Data Science Services from Jan 12, 2017 to Apr 12, 2018.

During the tenure, Mr G. S. Prasanna Balaji has undergone training in Basic Data Science Course. He has worked on research and development programs solving Data Science problems in Machine Learning projects.

Yours truly,

For AltairQ

Murali Kumar S K

Director - Data Science



Caterpillar Engineering Design Center - India

3B, RMZ Millenia Business Park, Phase II, No. 143, Dr. MGR Road,

Kandanchavadi, Chennai - 600 096

Phone: +91 44 3340 3000 Fax: +91 44 3340 3003

April 17, 2018

#### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ram Kumar (14F41), student of VIII Semester, BE in Mechatronics Engineering, Thiagarajar College of Engineering, Madurai, is doing his project work in Caterpillar. He has worked on the project "Development of Block Data Transfer Application".

He was associated as an intern in the Caterpillar Internship Program from December 01, 2017 till April 17, 2018. During this period, he has demonstrated dedication and hard work to meet the quality and commitments of the project. This letter is issued only for Project Review and is not an Internship completion letter.

We wish him all success.

For Caterpillar India Pvt. Ltd.

Chitra K,

Engineering Manager,

Information Products.





Caterpillar Engineering Design Center - India

3B, RMZ Millenia Business Park, Phase II, No. 143, Dr. MGR Road,

Kandanchavadi, Chennai - 600 096

Phone: +91 44 3340 3000 Fax: +91 44 3340 3003

April 17, 2018

#### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Roby J (14F43), student of VIII Semester, BE in Mechatronics Engineering, Thiagarajar College of Engineering, Madurai, is doing his project work in Caterpillar. He has worked on the project "Development of Block Data Transfer Application".

He was associated as an intern in the Caterpillar Internship Program from December 01, 2017 till April 17, 2018. During this period, he has demonstrated dedication and hard work to meet the quality and commitments of the project. This letter is issued only for Project Review and is not an Internship completion letter.

We wish him all success.

For Caterpillar India Pvt. Ltd.

Chitra K,

**Engineering Manager,** 

Information Products.





Project Office: 15, Rajiv Street, Keelkattalai, Chennai 600117. Phone: +91 9442266711

April 12, 2018

#### **TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr. T. Steev Winston studying B.E. (Mechatronics),  $4^{th}$  year at Thiagarajar College of Engineering, Madurai has worked as Intern with AltairQ Data Science Services from Jan 12, 2017 to Apr 12, 2018.

During the tenure, Mr T. Steev Winston has undergone training in Basic Data Science Course. He has worked on research and development programs solving Data Science problems in Machine Learning projects.

Yours truly,

For AltairQ

Murali Kumar S K

Director – Data Science



Bosch Rexroth India Pvt, Ltd.
Co.CIN -U29120GJ1974PLC002468
Sanand Viramgam Highway
Mouje Iyava, Taluka Sanand
District Ahmedabad - 382 170
Tel. +91(02717)678241
www.boschrexroth.co.in

Date: - April 4, 2018. Place: - Bangalore

Dr.M.Palaninatharajan, Professor and Head, Department of Mechatronics, Thiagarajar College of Engineering, Madurai – 625 015.

Nithan H T, Human Resources Tel. +91 (0)80 66087751 nithan.ht@boschrexroth.co.in

Dear Sir,

This is to certify that your student Mr.M Vinith Kumar has completed his internship on "Integration of lab view with Rexroth controllers" with us during the period starting from 8<sup>th</sup> January 2018 to 4<sup>th</sup> April 2018.

He has completed his internship successfully and to our satisfaction.

We wish him all the best for his future endeavors.

Sincerely.

Bosch Rexroth (India) Pvt, Ltd.

Nithan H T

Manager - Human Resources

(A Govt. Aided, Autonomous Institution, Affiliated to Anna University)

MADURAI - 15



## **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by Mr.S.ANTONY(14F03), Mr.K.GUNASEELAN(14F18) and Mr.V.MUTHUKRISHNAN(14F32) of Eighth Semester B.E. Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Station: Madurai

Signature of H.D.MCT

Date:

INTERNAL EXAMINER

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MADURAI - 15



#### **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by Mr.G.Aravind (14F04) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Station: Madurai

T.C.E. X

Signature of H.D.MCT

Date: 04/05/2018

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## **BONAFIDE CERTIFICATE**

Certified that this is a bonafide of the 14TMT880 Project done by Mr.K.ARUNPANDIAN(14F05), Mr.B.BALASELVAGANESH (14F08) and Mr.M.VIGNESHWARAN(14F59) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Date: 4/5/18
Station: Madurai

T.C.E.

Signature of H.D.MCT

Submitted for Viva-Voce examination held at Thiagarajar College of

NTERNAL EXAMINER

EXTERNAL EXAMINER

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## **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by Mr.P.K.Arun Kumar (14F06) and Mr.S.Jitesh (14F20) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Station: Madurai

T.C.E. SS.

Signature of H.D.MCT

Date:

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering,

Madurai - 625 015, on

INTERNAL EXAMINER

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MADURAI - 15



#### **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by Mr. BalajiD(14F07),Mr. Gowtham K(14F17),Mr. Suganthan M (14f53) of Eight Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Station: Madurai



Signature of H.D.MCT

Date:

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on \_\_\_\_\_\_\_.

INTERNAL EXAMINER

EXTERNAL EXAMINER

H.D.MQT

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**MADURAI-625 015** 



#### CERTIFICATE

Certified that this is a bonafide record of the 14MT880 Project done by Ms. B. Chandrapreethi (14F09) of Eighth Semester B.E. (Mechatronics Engineering) during the year 2017 – 2018.

Signature of the Guide

Station: Madurai

Date: 04.05.2018

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Signature of ADME

Submitted for Viva-voce Examination held at Thiagarajar College of Engineering,

Madurai – 625 015, on \_\_\_\_\_\_

INTERNAL EXAMINER

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MADURAI - 15



#### **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project& Viva Voce done by Mr.G. CHARLES (14F10) and Mr. A. JOSHUA DAVID (14F23) and Mr. K. RIAZ AHMED (14F42) of Eighth Semester B.E.,

Mechatronics Engineering during the year 2017	- 2018.	- TIM
Signature of the Guide T.C.E.	Signature H.D.MCT	of
Station: Madurai	Date:	
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Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on

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EXTERNAL EXAMINER H.D.MCT

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#### **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by Mr. CONDA ASUTHOSH RAMESH (14F11) and Mr. R. MUTHUCHARAN (14F33) and Mr. E. VIDHYA SHANKAR (14F56) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 –

Signature of the Guide

2018.

T.C.E. \*

Signature of H.D.MCT

Station: Madurai

Date: 4/5/2018

Submitted for Viva-Voce examination held at Thiagarajar College of

Engineering, Madurai – 625 015, on \_\_\_\_ 5/5/2018

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MADURAI - 15



#### BONAFIDE CERTIFICATE

Certified that this is a bonafide record of the 14TMT880 Project& Viva Voce done by Mr.D.V.Deepakrajan (14F12), Mr.J.JeyaMurugan (14F64) and Mr. M.Rajaraaman (14F68) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Station: Madurai

Date: 05/05/2018

Signature of H.D.MCT

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering,

Madurai - 625 015, on 05/05 12018

INTERNAL EXAMINER

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MADURAI - 15



#### **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by Mr.S.DINESH KUMAR(14F13), Mr.M.GAUSIG PANDIAN (14F15) and Mr.G.GOKULNATH(14F16) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Station: Madurai

Signature of H.D.MCT

Date: 4/05/2018.

Submitted for Viva-Voce examination held at Thiagarajar College of

Engineering, Madurai – 625 015, on 5-5-70 18

EXTERNAL EXAMINER

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MADURAI - 15



#### **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by Ms. P.Divya (14F14) and Ms. S.Madhura Lakshmi (14F29) of Eighth Semester B.E. Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

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Station: Madurai

T.C.E.

Signature of H.D.MCT

Date: 04 -05 - 2018

Submitted for Viva-Voce examination held at Thiagarajar College of

Engineering, Madurai – 625 015, on \_\_\_

EXTERNAL EXAMINER

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## **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14MT880 Project & Viva Voce done by Mr. E. Joe Christus (14F21) and Mr. R. Senthil Kumaran (14F69) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide T.C.E. Signature of HDMCT

Station: Madurai

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Date:

Submitted for Viva-Voce examination held at Thiagarajar College of

Engineering, Madurai – 625 015 on

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MADURAI - 15



#### BONAFIDE CERTIFICATE

Certified that this is a bonafide record of the 14MT880 Project & Viva Voce done by Mr. Joshi joy (14F22) and Mr. Srisaran.SV (14F51) and Mr. Venkatesh .M (14F54) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide	T.C.E.	Signature of H.D.MCT
Station : Madurai Date :	MADURA	

Submitted for Viva-Voce examination held at Thiagarajar College of

Engineering, Madurai – 625 015, on 5 – 5 – ).

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MADURAI - 625 015



## BONAFIDE CERTIFICATE

Certified that this is a bonafide of the 14TMT880 Project done by Mr.R.Kishore Kavi (14F25), Mr.P.Sarathkumar (14F48) and Mr.R.Silambarasan (14F70) B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Date: A | 5 | 10

T.C.E.

Signature of H.D.MCT

Submitted for Viva-Voce examination held at Thiagarajar College of

Engineering, Madurai – 625 015, on \_ S · S · 18 ...

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#### **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by Mr.M.KUMAR (14F26), Mr.S.VIGNESH (14F58), Mr.D.GANESHKUMAR (14F62) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Station: Madurai

T.C.E. X

Signature of H.D.MCT

Date:

4/5/18

Submitted for Viva-Voce examination held at Thiagarajar College of

Engineering, Madurai – 625 015, on \_

5/5/18

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MADURAI - 15



## BONAFIDE CERTIFICATE

Certified that this is a bonafide record of the 14TMT880 Project& Viva Voce done Mr.S.KUMARESAN(14F27), by Mr.M.LENIN(14F28) Mr.M.MAHENDRAN(14F30) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Station : Madurai

: 05.05.2018 Date

Submitted for Viva-Voce examination held at Thiagarajar College of

Engineering, Madurai – 625 015, on \_

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MADURAI - 625015



#### **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by *R.MANOJ KUMAR (14F31)*, *P.PRABURAJ (14F35)*, *B.RAGHU RAMAN (14F38)* of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

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Signature of the Guide

OF MECHANDONICS

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Signature of H.D.MCT

Station: Madurai

Date: 15. 19

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering,

Madurai – 625 015, on 5 · 5. 18

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MADURAI - 625015



## BONAFIDE CERTIFICATE

Certified that this is a bonafide record of the 14TMT880 Project& Viva Voce done by Mr.K.NEERAJ VENKATESH (14F34) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Signature of H.D.MCT

Station: Madurai

Date:

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on 5518.

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MADURAI - 15



## **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by Ms. Priyadharshini R (14F37), Ms. Sabari Monisha T (14F45) and Ms. Sahithya K (14F46) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide T.C.E.

Station: Madurai

Signature of H.D.MCT

Date: 4/5/18

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on \_\_\_\_\_\_\_\_\_.

INTERNAL EXAMINER

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MADURAI - 15



#### **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by **Ms. RAJA RAJESHWARI S** (14F40) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Station: Madurai

T.C.E. CS

Signature of H.D.MCT

Date: (5.05, 2018

Submitted for Viva-Voce examination held at Thiagarajar College of

Engineering, Madurai – 625 015, on \_

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MADURAI - 15



#### **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14MT880 Project & Viva Voce done by Mr.SATISH.M.S (14F49) and Mr.SIBI NANDAN.G (14F50) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Quide

Station: Madurai



Signature of H.D.MCT

Date:

Submitted for Viva-Voce examination held at Thiagarajar College of

Engineering, Madurai – 625 015, on \_\_\_

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(A Govt. Aided, Autonomous Institution, Affiliated to Anna University)

MADURAI - 15



#### **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by Mr. Venketeshwaran M (14F55), Mr. Deepak Kumar V (14F61) and Mr. Subbu Raj R (14F71) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Signature of the Guide

Station: Madurai

Signature of H.D.MCT

Date: 5-5.18

Submitted for Viva-Voce examination held at Thiagarajar College of

Engineering, Madurai – 625 015, on

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#### **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by Mr. Vignesh perumal S(14F57), Mr. Gomathy Shankar G(14F63), Mr. Priyadharsan M(14F67) of Eighth Semester B.E., Mechatronics Engineering 2017 – 2018.

Signature of the Guide

Station: Madurai



Signature of H.D.MCT

Date: 5/5/2018

INTERNAL EXAMINER

EXTERNAL EXAMINER

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MADURAI - 15



## **BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of the 14TMT880 Project & Viva Voce done by Mr.M.MOHAMED NOORDEEN(14F65) and Mr.S.POUNRAJ(14F66) of Eighth Semester B.E., Mechatronics Engineering during the year 2017 – 2018.

Station: Madurai

\$ignature of the Guide

Date:

Submitted for Viva-Voce examination held at Thiagarajar College of

Engineering, Madurai – 625 015, on \_

EXTERNAL EXAMINER

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