

# ARJUN T B

Mechanical Engineer

[atbiarjun@gmail.com](mailto:atbiarjun@gmail.com)

[www.linkedin.com/mwllite/me](http://www.linkedin.com/mwllite/me)

+91 933599108



## CAREER OBJECTIVE

To obtain a creative and challenging position in an organization that gives me an opportunity for self-improvement and leadership, while contributing to the growth of organization with my technical innovative and logical skills.

## CAREER SUMMARY

- Cochin Shipyard Limited  
A Govt Of India Enterprise ,Kochi 682015, India  
(9/11/016 -19/11/016)  
Designation : *Apprentice*
- Sadhana Engineering Industries  
Kokkalai ,Thrissur  
(09/09/2016 – 18/09/2016)  
Designation : *Apprentice*
- MEAR startup company  
Trivandrum, kerala ,India  
(02/01/2017 -25/04/2017)  
Designation : Design Adviser for software interface .
- CLAD ,Centre for learning arts and design .Thrissur ,kerala ,India  
Designation : *Apprentice*

## EDUCATIONAL QUALIFICATION

- Bachelor Of Technology In Mechanical Engineering  
From Jyothi Engineering College (NBA and NAAC accredited ), Calicut university  
(2014 -2018) ,*CGPA of 7.34*
- Higher Secondary Education from Kerala State Board .  
From G.H.S.S Erumapetty .(2012 -2014) with total of 86%

## **ADD ON COURSES**

- Completed Designing Softwares : CAD ,CATIA, SOLIDWORKS (Product Design) from CADD centre Thrissur ,kerala on April 2018 .
- Completed Microsoft office software from ICS Group of institution .on May 2012

## **ACADEMIC ACHIVEMNTS**

- Journal titled “ A review on analysis of HHO gas in IC engine “ has been published in Materials Today Energy ,Elsevier . ISSN 2214-7853, Article reference: MATPR7255, PII –S2214-7853(18)32967-5.
- Presented a paper titled “ Analysis of HHO gas in IC engines – A Review “ in the international multi conference on computing communication ,electrical and Nano technology ( i2CN-2K18) in Mangalam Engineering College ,kottayam ,kerala .
- Presented a paper titled “ A review on analysis of hydrox gas in internal combustion engines “ in national conference on recent trends in engineering (NCRTEET 2017) at govt polytechnic college kasargod .
- Presented a paper titled “study on analysis of brown gas in internal combustion engine “in national conference technological advanced engineering held at Kannur Sree Naraana Guru College of engineering.

## **PARTICIPATION AND WORKSHOPS**

- Participated in AGORA Hackathon idea presentations 2016 based on topic “Geriatrics” .
- Participated in idea presentation contest based on the topic “technology for sustainability of humanity “on 2016.
- Participated in Vibhavana 2017 idea presentation.
- Participated in python programming for mechanical applications and mechanical signal processing workshop conducted by ISTE.
- One day workshop on Autodesk fusion 360 and D4/challenge 2017 based on fusion 360.
- Participated in ROS (Robotic operating systems) workshop conducted during Tesseract 3.0 by IEEE students of St Joseph Engineering College Palai 2017.
- Participated in MEP workshop conducted by UIT GROUP international on 2018 .

## **ACADEMIC AND NON ACADEMIC RECOGNITION**

- M.E dept representative of Jyothi Engineering College between the years 2015 to 2018
- Art secretary of the tech fest THARANG 2018
- IEEE member between the year 2017 to 2018 .
- Art director of a Malayalam short film “ SAYA”


## **CO CURRICULUM ACTIVITIES**

- Got prizes for pencil drawing water colouring ,poster designing ,Carnatic music ,drama ,group dance ,pookalam designing ,geetha recitation in college level and school level .

- Organized a motor show out of the college “PISTONISED 2.0”
- Organized an event in tech fest Tharang 2017 – “AGV automated guided vehicle”
- Organized human gathering of about 40 students to form a word RMX.

### INDUSTRIAL VISITS

- PEEKAY STEEL CASTING (P) Limited .Calicut
- Rollring Industries Calicut .



Calicut University P.O.  
Pin 673 635

**UNIVERSITY OF CALICUT**

188888

**CONSOLIDATED GRADE SHEET**

DATE : 17.07.2018

COURSE : BACHELOR OF TECHNOLOGY  
 EXAMINATION : VIII SEMESTER  
 MONTH & YEAR : APRIL, 2018  
 BRANCH : MECHANICAL ENGINEERING  
 NAME OF CANDIDATE : ARJUN T B REGISTER No. : JYAOEME023


Subject Code	Subject Name	Credits	Grade	Exam	Rg/Sum
ME 14 801	MECHATRONICS	4	C	APRIL, 2018	Rg
ME 14 802	POWER PLANT ENGINEERING	4	D	APRIL, 2018	Rg
ME 14 803	OPERATIONS MANAGEMENT	4	D	APRIL, 2018	Rg
ME 14 804 (D)	CRYOGENIC ENGINEERING	4	C	APRIL, 2018	Rg
ME 14 805 (A)	QUALITY ENGINEERING AND MANAGEMENT	4	B	APRIL, 2018	Rg
ME 14 806 (P)	SEMINAR	2	S	APRIL, 2018	Rg
ME 14 807 (P)	PROJECT	6	A	APRIL, 2018	Rg
ME 14 808 (P)	VIVA VOCE	4	S	APRIL, 2018	Rg
<b>Total Credits</b>		<b>32</b>			
<b>Total Credit Points Secured</b>		<b>: 250.00</b>			
<b>Semester Grade Point Average (SGPA-VIII)</b>		<b>: 7.81</b>			

**Details of Previous Semesters**


Semester	Total Credits	Total Credit Points	SGPA	Examination
I and II Combined	42	327.00	7.79	4/2016
III	28	190.00	6.79	11/2016
IV	28	202.00	7.21	4/2017
V	28	196.00	7.00	11/2016
VI	28	196.00	7.00	4/2017
VII	28	210.00	7.50	11/2017

**Cumulative Grade Point Average (CGPA) : 7.34**

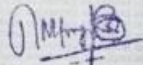
Rg - REGULAR Su - SUPPLEMENTARY In - IMPROVEMENT  
 Note: Method of marking at SGPA, CGPA and formula for conversion to percentage are shown overleaf.




Checked by  
CUP 123981711 LAKH



Section Officer



Controller of Examinations  
Jyo  
AR/DR/JR (Exams)

  
**UNIVERSITY OF CALICUT**  
(Pareeksha Bhavan)

Calicut University P. O.  
673 635

Folio No. **795043**


Reg. No. : **JYAOEME023**  
Year : **April 2018** Dated : **03 SEP 2018**

**PROVISIONAL CERTIFICATE**


Issued to : **ARJUN T B**

Certified that the above candidate has passed the B.Tech.  
Degree Examination in Engineering ( Semester Course -CSS)  
with details as shown below.

Class : **FIRST**  
Branch : **MECHANICAL ENGINEERING**  
Elective : **QUALITY ENGINEERING AND MANAGEMENT**

  
*Jayaram*  
**ASSISTANT REGISTRAR - XXI (Exams)**  
University of Calicut  
For **CONTROLLER OF EXAMINATIONS**

CUP 12589/1711 LAB

  
**GOVERNMENT OF KERALA**  
**BOARD OF HIGHER SECONDARY EXAMINATION**  
**THIRUVANANTHAPURAM**

AISAJAI 0AJ6A1A 6658434

No. HSE **2/2014/202926**

**CERTIFICATE**


Register Number **1194945**

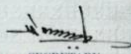
This is to certify that Mr. Ms. **ARJUN T B** appeared for the HIGHER SECONDARY EXAMINATION  
in **SCIENCE** GROUP held in **MARCH 2014**. He/She is **ELIGIBLE** for higher studies.  
No. of Chances : **1**

The Scores and Grades obtained by the Candidate are shown below:

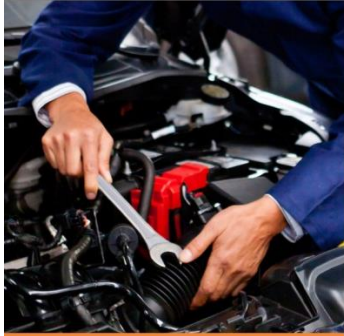
SUBJECTS	FIRST YEAR			SECOND YEAR			GRAND TOTAL			Grade Obtained	Grade in Words		
	CE	TE	Total	CE	PE	TE	Total	CE	PE			TE	Total
PART I ENGLISH	20	65	85	20	--	51	71	40	--	116	156	B+	B plus
PART II SANSKRIT	20	75	95	20	--	80	100	40	--	155	195	A+	A plus
PART III (Optional) PHYSICS	20	43	63	20	40	45	105	40	40	88	168	A	A only
CHEMISTRY	20	47	67	20	40	39	99	40	40	86	166	A	A only
BIOLOGY	20	56	76	20	40	53	113	40	40	109	189	A+	A plus
MATHEMATICS	20	59	79	20	--	61	81	40	--	120	160	A	A only

Eligibility for Higher Studies : D+ Grade or above for all subjects. \* Scores obtained in the previous examinations).

  
Signature of the Principal with name **PONNAMMA. C.M.**

  
**SECRETARY**  
Board of Higher Secondary Examination,  
Government of Kerala

Date of publication of result **13-05-2014**



MECHANICAL

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COURSE COMPLETION CERTIFICATE



IN : Certificate in Product Design
AWARDED TO : ARJUN T B
AT : CADD Centre Training Services, Thrissur, Kurupam Road
DURING : August-2017 STUDENT ID No.: M180932236

This is a computer generated certificate. For more details, Please verify at http://www.caddcentre.com/caddVerification.php

Signature of Managing Director

MANAGING DIRECTOR

Shiju M Varghese

CENTRE HEAD

25 - 02 - 2019

DATE OF ISSUE



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MECHANICAL

STUDENT NAME: ARJUN T B STUDENT ID No.: M180932236



CERTIFIED IN : Certificate in Product Design

Topics Covered

CATIA Kinematics

- Introduction to Kinematics
Basic Mechanism Process
Creating joints
Editing joints
Motion transfer Joints
Rotating joints
Complex joints
Converting constraints into Joints
Generating Mechanism
Simulating Mechanism
Evaluating Mechanism
Mechanism Analysis

AutoCAD 2D for Mechanical Engineers

- Introduction to Engineering Drawings
Exploring GUI and Workspaces
Co-ordinate systems
Drafting Basic Geometry Shapes in AutoCAD
Drafting settings and Drawing tools
Modify tools and Object properties
Advanced Drafting and Modifying tools in AutoCAD
Layer Management
Layout, Plot and Publish
Scale setting and plotting
Hatching and Patterning
Annotation and Dimensioning

Project : Independent project work with expert assistance

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International Multi - Conference on Computing, Communication,  
Electrical & Nanotechnology

# Mangalam College of Engineering

Kottayam, Kerala, India

I2CN 2K18

## Certificate



This is to certify that Dr./Mr/Ms Arjun T B of Jyothi Engineering College, Cheruthuruthy, Thrissur, Kerala, India has participated and presented a paper titled Analysis of HHO Gas In IC Engines-A Review in the International Multi - Conference on Computing, Communication, Electrical & Nanotechnology (I2CN-2K18) organized by Mangalam College of Engineering, Kottayam, Kerala, India on 26th & 27th April, 2018.

Dr.T.D.Subash  
Conference Organizing  
Chair

Prof.Benny K.K  
Conference  
Chair

Dr.Parulose M.M  
Conference General  
Chair

**SREE NARAYANA GURU COLLEGE OF ENGINEERING AND TECHNOLOGY**  
CHALARODU (PO), PATTANAM, KANNUR - 670307, KERALA

**4<sup>th</sup> NATIONAL CONFERENCE ON TECHNOLOGICAL ADVANCEMENTS IN ENGINEERING**

**CERTIFICATE**

This is to certify that Dr./Prof./Mr./Ms. ARJUN T. B. of JYOTHI ENGINEERING COLLEGE has presented a technical paper titled STUDY ON ANALYSIS OF BROWN GAS IN INTERNAL COMBUSTION ENGINE in the National Conference held on 16<sup>th</sup>-17<sup>th</sup> March 2018.

*Ch* CONVENOR      *hac* PRINCIPAL

**NCRTET-17**  
**NATIONAL CONFERENCE ON RECENT TRENDS IN ENGINEERING & TECHNOLOGY**  
Organized by  
**GOVERNMENT POLYTECHNIC COLLEGE, KASARAGOD, PERIYE**  
1-2 MARCH 2018

**CERTIFICATE OF PARTICIPATION**

This is to certify that Mr/Ms/Ms. Arjun T. B. Jyothi Engineering College Cheruthuruthy, Thrissur has participated in NCRTE-17 and presented a paper entitled A review on Analysis of Hydroxy Gas in Internal Combustion Engines.

*Srinivas V. K.* CONVENOR      *Arjun T. B.* PRINCIPAL

Marketing Office  
15E, FFE Plaza, 2nd floor, Kakkala,  
Thrissur, Kerala - 680 001, India

Reg. Office  
Corporation Market Building,  
Kakkala, Thrissur,  
Kerala - 680 001

**Sadhana**  
ENGINEERING INDUSTRIES  
AN ISO 9001:2008 CERTIFIED COMPANY  
SINCE : 1985

+91 487 2428936  
+91 487 2442393  
+91 944 7142893  
: sadhanachines@gmail.com  
@ : www.sadhanaventures.com

### CERTIFICATE

1. Name of student : ARJUN T.B
2. Course & Branch of study : B.Tech ( Mechanical Engineering )
3. College or University : Jyothi Engineering College, Thrissur
4. Nature of Training : Inplant Training
5. Period of Training : 9 -09 -2016 to 18 -09 -2016
6. Conduct / Performance : Good

For **Sadhana**  
ENGINEERING INDUSTRIES  
  
DIRECTOR

Manufacturers, Traders & Exporter of

- Press Tile Machines
- Plastic & Rubber Moulds for Presses
- Hydraulic Interlock Brick & Tile Plants
- Hydraulic Block Making Machine
- Concrete & Soil Mixing Machines
- Other Construction Machines.



**Cochin Shipyard Limited**

(A Govt. of India Enterprise)  
KOCHI - 682 015, INDIA.



### Certificate

No. TRG/030/1819/2016

19 November 2016

(Internship / In-plant Training / Industrial Training / Project Work)

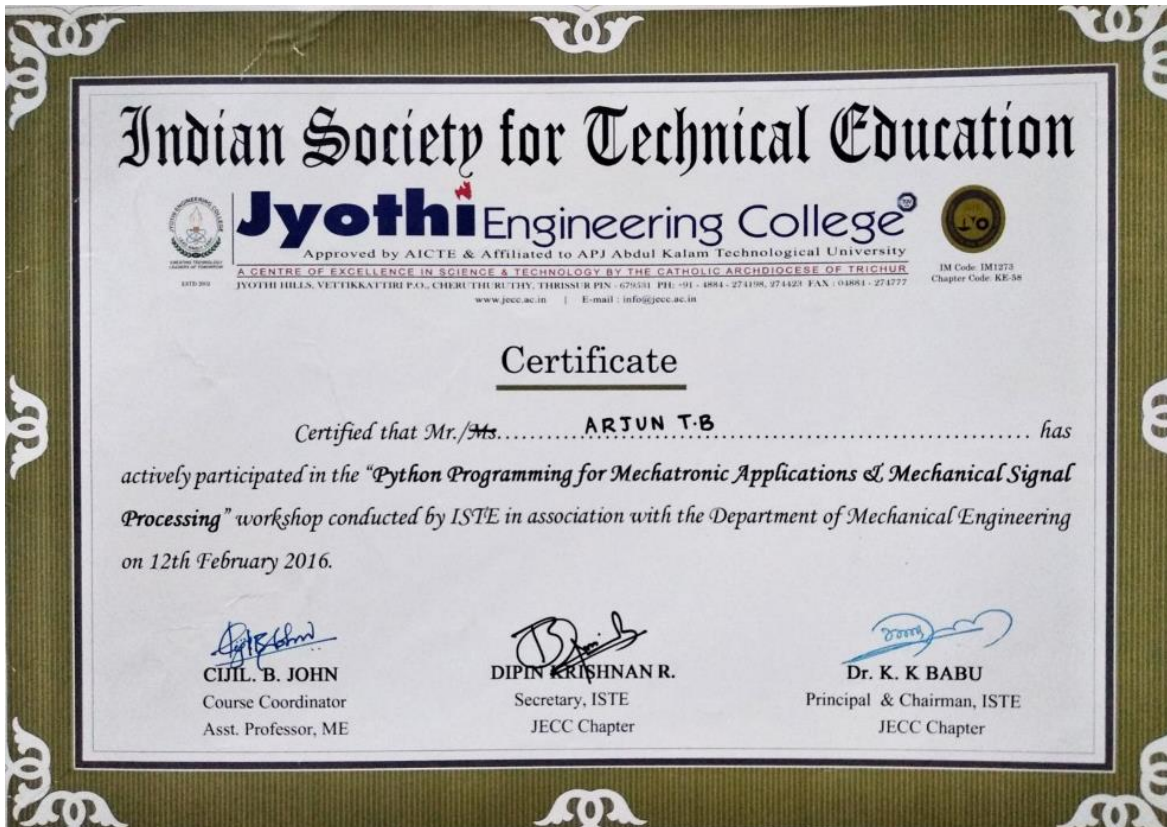
1. Name of Student/s : ARJUN T B
2. Course & Branch of Study : B. Tech (Mechanical Engg.)
3. College / University : Jyothi Engineering College, Thrissur
4. Nature of Training : Internship
5. Period of Training : 09-11-2016 to 19-11-2016
6. Department/s of Training : Ship Building, Ship Repair,  
Planning & Production Control,  
Inspection & Quality Control,  
Utilities & Maintenance Departments
7. Conduct / Performance : Good



  
(Kuriachan TK)  
Senior Manager (Training)

Registered Office: Administrative Building, Perumanoor P.O., Post Bag No. 1653, Kochi-682015.  
Phone: +91 (484) 2501493/2501295. Fax: +91 (484) 2370897. Email: trainingofficer@cochinshipyard.com









**TESSERACT 3.0**  
2017

*Certificate of Participation*

This certificate is presented to

**ARJUN T. B**

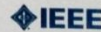
for his/her active participation in **ROS** Workshop  
conducted during TESSERACT 3.0 organised by  
IEEE Student Branch of St. Joseph's College of Engineering  
and Technology, Palai on October 13<sup>th</sup> - 14<sup>th</sup> 2017.

Mr. Arun P  
Branch Counselor

St. JOSEPH'S  
COLLEGE OF ENGINEERING  
AND TECHNOLOGY,  
PALAI



Dr. Madhukumar S  
Dean IEEE SB SJ CET



**Certificate of Participation**

**Congratulations!**

On behalf of Autodesk and its training and education partners, thank you for participating in this event. Autodesk's vision is to help people imagine, design, and create a better world. We hope that this event has encouraged you to use software tools that enable you to experience ideas before they become realities.

Certificate No. 16949534L7

ARJUN T B

Name

D4I Challenge 2017 Based on Fusion 360

Event

2017-08-26

Date

JYOTHI ENGINEERING COLLEGE, THRISSUR

Location

CAD Center, Indian Educational Enterprises (P) Ltd - Cochin  
Autodesk Authorized Academic Partner

**AUTODESK.**

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Carl Bass

Carl Bass  
President, Chief Executive Officer





**Certificate of Participation**

**Congratulations!**

On behalf of Autodesk and its training and education partners, thank you for participating in this event. Autodesk's vision is to help people imagine, design, and create a better world. We hope that this event has encouraged you to use software tools that enable you to experience ideas before they become realities.

Certificate No. 1QXALTGYQ6

ARJUN T B

Name

One Day Workshop on Autodesk Fusion 360

Event

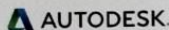
2017-08-26

Date

JYOTHI ENGINEERING COLLEGE, THRISSUR

Location

CAD Center, Indian Educational Enterprises (P) Ltd - Cochin  
Autodesk Authorized Academic Partner



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*Carl Bass*

Carl Bass  
President, Chief Executive Officer



CREATING TECHNOLOGY LEADERS OF TOMORROW  
ESTD 2002

**Jyothi Engineering College**

Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O., CHERUTHURUTHY, THRISSUR PIN-679531 PH: +91-4884-259000, 274423 FAX: 04884-274777

www.jecc.ac.in | E-mail : info@jecc.ac.in

**Certificate**

This is to certify that Mr. / Mrs. ARJUN T.B. of S&ME Secured SECOND in the painting competition organized by **Jyothi Engineering College** in the sponsorship of **Kerala State Council for Science Technology and Environment** in connection with the **National Technology day-2016** held on 11<sup>th</sup> May, 2016.

*Dr.K.K.Babu*  
Dr.K.K.Babu  
Principal

*Manoj Kumar V.K.*  
Manoj Kumar V.K.  
Coordinator

*Fr. Roy Joseph Vadakkan*  
Fr. Roy Joseph Vadakkan  
Asst Manager (Academic & Administration)









# Jyothi Engineering College

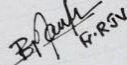
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A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR  
JYOTHI HILLS, VETTIKATTIRI P.O., CHERUTHURUTHY, THRISSUR PIN-679531 PH. +91-4884-259000, 274423 FAX : 04884-274777  
www.jecc.ac.in | E-mail : info@jecc.ac.in

## Certificate of Appreciation

This is to certify that..... Arjun.....  
of..... SE..ME.....has participated in the event  
.. Group Dance (Boys).....and has won..... 1<sup>st</sup>..... prize in  
NOOPURA Arts Fest 2016-2017 of Jyothi Engineering College.

  
Staff Co-ordinator

  
Dr.K.K. Babu  
Principal

  
Fr. Roy Joseph Vadakkan  
Asst. Manager(A&A)



NOOPURA 47  
ARTS FEST 2016 - 2017



# Jyothi Engineering College

Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University  
A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR  
JYOTHI HILLS, VETTIKATTIRI P.O., CHERUTHURUTHY, THRISSUR PIN - 679531 PH: +91 - 4884 - 274198, 274423 FAX : 04884 - 274777  
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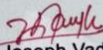



## Certificate of Appreciation

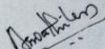


This is to certify that Mr/Ms Arjun T. B..... has won  
~~First/Second prize/Participated~~ in the..... Colash competition.....  
Competition Organized by Literary Club of Jyothi Engineering College during the Academic  
Year of 2015-16



  
Fr. Roy Joseph Vadakkan  
(Asst. Manager)

  
Dr.K.K. Babu  
(Principal)

  
Aswathy Wilson  
(Co-Ordinator)