

Ajas A K

Address- Anthrolil house
Changampuzha nagar (p.o)
Kalamasser, Kerala, India
Pin-682033



Mobile: +919496079793, **E-mail:** ajas.anthrolil@gmail.com

Personal Profile

I am hard-working, motivated and enthusiastic professional with proven track-record. I always strive to achieve the highest standard possible at any given task in any situation. I am accustomed to working in a challenging and fast-paced environment.

Career Objective

To pursue a dynamic and challenging career with an organization of repute, which gives value addition to the organization as well as offers opportunity to enhance professional skills while getting a high level of satisfaction and recognition.

Achievements/ Conference

- Qualified **GATE 2017 and GATE 2018**(Graduate Aptitude Test In Engineering).
- Organized seminar on **Health, Safety & Environment** at IEST,Shibpur
- Successfully completed online courses on **Safety in the Utility Industry** by the **University of Buffalo** through coursera
- Successfully completed **The COSHH Risk Assessor Certification** course by **International association for chemical safety**
- Successfully completed **Electrical Safety Awareness** course by **International association for chemical safety**
- Runners up in Tug of War competition at **Annual athletics meet** of IEST-2019
- Selected for Poster presentation on **Occupational Health** at **Vishleshan-2018, IIT Kharagpur**, W.Bengal
- Attended **International Conference on Nanotechnology**, IFSE, Haldia,W.Bengal
- Student member in **ISHRAE, CUSAT**,Kerala

Educational Qualification

Class	Institution	Board / University	Year Of Passing	CGPA /Percentage
M.Tech(Safety and Occupational Health)	IEST, Shibpur	IEST	2020	82%
B.Tech (Mechanical Engg.)	School of Engineering, CUSAT	CUSAT	2016	82%
Intermediate	Govt. H S S, Edappally	Board Of Higher Secondary Examination, Kerala	2011	79.6%
Matriculation	Darul Uloom V H S S Ernakulam	Dept. Of Public Examinations, Govt. Of Kerala	2009	83.3%

Industrial Training

Sep 10–Sep15, 2014	Industrial Trainee	Apollo Tyres,Kalamassery
May 25-June02,2015	Industrial Trainee	KSRTC (Kerala State Road Transport Corporation) Regional Workshop.
June23–June29, 2015	In-plant Trainee	FACT(Fertilizers And Chemicals Travancore Ltd.)

Work Experience

May 2016- July 2018	Safety Engineer	Hi-Tech Steel Fabricators & Erectors(Sub contract),Bharat Petroleum Corporation Ltd.,Kochin Refinery,Ambalamugal
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Main tasks performing:

- Developing and implementing safety policy and programs
- Carrying out workplace and equipment safety inspections and reporting
- Assessing risk and all possible worksite hazards
- Record keeping and Investigation of near miss incidents
- Coordinating and leading mock-drills at regular intervals
- Conducting Safety awareness programs and toolbox talks
- Ensuring occupational health of workers and availability of PPE's

Academic Projects

B.Tech project on “**Feasibility Study on Fuel Switching From Furnace Oil to LNG In Fertilizers And Chemicals Travancore Ltd.(Udhyogamandal, Kerala) Petrochemical Division Boiler**”(2015-16)

- Studied the current boiler configuration , the associated facilities and equipments in captive power plant of the petrochemical division and analysed the fuel handling systems.
- Studied the furnace oil characteristics and carried out comparison with LNG.
- Found out the modifications to be made in the power plant.
- Carried out thermal flow analysis of super heater coil using **ANSYS(Fluent)** and proposed the changes to be made within the boiler.

M.Tech project on “**Fluid Structure Interaction With Novel Composite Materials For Industrial Safety**”(2019-20)

- Figure out the areas in industry where Fluid structure interaction is relevant
- Observe and found out the novel composite materials used in industry
- Analysis of the conventional materials used and potential of composite materials to replace them
- Carried out case study on “Use of composite materials in industrial transformer” using **ANSYS 18.1(FLUENT & STATIC STRUCTURAL** modules)

Skills

Technical:

- proficient in MS Word, MS Power point, MS Excel and Internet applications
- Completed training on “Object Oriented Programming Language Using C++”
- Working knowledge in AUTOCAD 15,16,18,20
- Proficient in ANSYS 16,17,18.1,19.R2 (FLUENT, STATIC STRUCTURAL)
- Proficient in CATIA, Solid Works
- Knowledge in SAP

Interpersonal:

- Works with mutual respect
- Self-motivated
- Good leadership quality
- Proficient in Malayalam, English, Hindi & Bangla

Date of Birth: 18/09/1993

Hobbies and interests

- Playing and watching football
- Travelling
- Photography

References

Dr. Biju. N

Associate Professor, Mechanical Engineering Dept.

School of Engineering, CUSAT, Kerala

Tel: +919496215993, **E-mail:** bijuncusat@gmail.com

Mr. Jithesh Babu

Manager, Technical Department,

Apollo Tyres, Kalamassery, Kochi, Kerala

Tel: +919846585985, **E-mail:** Jithesh.babu@apolloytyres.com, kjitheshbabu@gmail.com

Dr. Pallab Datta

Assistant Professor,

CHST, IEST, Shibpur, W.Bengal

Tel: +918240899795, **E-mail:** contactpallab@gmail.com

Declaration

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Place: Cochin

Date: 03-09-2020

(AJAS.A.K)