

FACULTY PROFILE

PRINCE ABRAHAM. B

Personal Details

Salutation: Mr.

Instructor Name: **Prince Abraham. B**

Designation: **Assistant Professor**

Department: MECHANICAL ENGINEERING -
NEC

**Date of Joining in
NEC:** 13-05-2013

**Date of Joining in
Present Post:** 13-05-2013

Mobile Number: 9488469801

College Id: MECT513

College Email Id: prince@nec.edu.in

Unique Staff Id: 1-2185244903



Address for Communication

Address Line 1: 15/8, Church Street **Pincode:** 628203

Address Line 2: Christianagaram **District:** Thoothukudi

City: Udangudi **State:** Tamilnadu

Educational Qualifications

Sr	Name of the Degree	Specialization	Name of the Institute	Name of the University	Year of Passing
1	B.E	Automobile Engineering	KLN College of Engineering	Anna University	2011
2	M.E	Manufacturing Engineering	Sardar Raja College of Engineering	Anna University	2013
3	Ph.D	Performance Analysis on Proton Exchange Membrane Fuel Cells	National Engineering College	Anna University	Pursuing

Faculty Professional Experience

Sr	Name of Institute / Organizations	Designation	Date of Joining	Total Experience
1	National Engineering College	Assistant Professor	13-05-2013	9

FDP/ Workshop/ Seminar/ Training/ Knowhow Program Attended

Sr	Name of the Event	Event Type	Name of the Institution or Organization	From	To
1	Recent Trends in Testing of Automobile Systems and Components	Faculty Development Program	PSG College of Tech, Coimbatore	05-05-2015	16-05-2015
2	NPTEL workshop	National Workshop	National Engineering College	13-03-2015	13-03-2015
3	Fuel Cell and Hybrid Vehicle Technology	International Seminar	Karunya University, Coimbatore	05-11-2016	05-11-2016
4	Current Trends in Computational Fluid Dynamics	International Workshop	Sri Ramakrishna Engineering College, Coimbatore	24-03-2017	24-03-2017
5	Foundation program in ICT for education	Faculty Development Program	IIT Bombay	02-04-2018	29-04-2022
6	Industry Visit	Industrial Know-How Program	Mahindra Research Valley	05-12-2017	05-12-2017
7	Industrial Know How	Industrial Know-How Program	ATG Tyres, Gangaikondan	22-04-2019	26-04-2019

International and National Conferences Attended

Sr	Name of the Conference	Event Type	Name of the Institution or Organization	Title of the Paper	Authors
1	Recent Trends in Automobile Engineering-2011	National Conference Presentation	KLN College of Engineering	Effect of Aspect ratio and Annealing in Automobile Components of extruded Aluminium Materials	Prince Abraham B, Prakash N
2	Advances in Mechanical Engineering	National Conference Presentation	SCAD Engineering College	Interlaminar Fracture Analysis of Glass/Polyester ELS Specimen	Prince Abraham B
3	International Conference on Waste, Energy and Environment	International Conference Presentation	Sathyabama Institute of Science and Technology	Optimization of size and position of a flat cab roof fairing – A CFD study	Ganesh Kumar, Balachandran S, Ajeeth M M, Michael Thomas Rex F & Prince Abraham B
4	Future Technologies in Manufacturing, Automation, Design and Energy	International Conference Presentation	National Institute of Technology Puducherry, Karaikal	Numerical Investigation of Swirl Flow on Heat Transfer Enhancement in a Stepped Pipe	Prince Abraham B, Michael Thomas Rex F, Samuel Ponraj P, Jaya Venkatesh R, Andrews A

Guest Lecture Delivered

Sr	Name of the Event / Program	Name of the Institution / Organization	Title of the Lecture delivered	From	To
1	Webinar	St. Xavier' s Catholic College of Engineering	Automotive Aerodynamic Simulation using Ansys FLUENT	07-08-2020	07-08-2020

Faculty Research Publications

Sr	Title of the Paper	Name of the Journal	Year of Publication	Authors	DOI (Digital Object Identifier System)
1	Influence of Catalyst Layer and Gas Diffusion Layer Porosity in Proton Exchange Membrane Fuel Cell Performance	Electrochimica Acta	2021	B.Prince Abraham, Dr.K.Kalidasa Murugavel	https://doi.org/10.1016/j.electacta.2021.138793
2	Numerical Investigation of Swirl Flow on Heat Transfer Enhancement in a Stepped Pipe	Recent Advances in Manufacturing, Automation, Design and Energy Technologies	2021	Prince Abraham B, Michael Thomas Rex F, Samuel Ponraj P, Jayavenkatesh R, Andrews A	10.1007/978-981-16-4222-7_98
3	Optimization of flexible fixture layout to improve form quality using parametric finite element model and mixed discrete-integer genetic algorithm	Proceedings of the Institution of Mechanical Engineers Part C	2021	Michael Thomas Rex F, Hariharasakthisudhan P, Andrews A, Prince Abraham B	10.1177/09544062211034191

Membership in Professional Societies

Sr	Name of the Society / Organization	Type of Membership
1	Institution of Engineers	Associate Member