

## FACULTY PROFILE

Name of the Staff : ARUL MARCEL MOSHIA

Official Address with E-mail Id : Assistant Professor,  
Mechanical Engineering,  
National Engineering College,  
Kovilpatti- 628 503.



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### 1. Personal Details

Age : 23  
Date of Birth : 18-06-1992  
Sex & Marital Status : Unmarried  
Citizenship : Indian  
Qualification : ME

Degree	Programme and Specialization	Class /CGPA	Month & Year of Passing	Institute/University
UG	BE-Mechanical Engineering	<b>I class with Distinction (University 19<sup>th</sup> rank) 8.76</b>	May 2013	Francis Xavier Engineering College, Tirunelveli/Anna University.
PG	ME-Engineering Design	<b>I class with Distinction (University 1<sup>st</sup> rank) 9.03</b>	July 2015	Government College of Engineering, Tirunelveli/Anna University.
Ph.D.	-	-	-	-

Date of joining : 15-05-2015

Present status : Assistant Professor

Professional Experience : 1 year

Designation	Institution/ Organisation	Period	Nature of Duties
Lecturer	-	-	-
Asst. Professor	National Engineering		Teaching

	College, Kovilpaatti.	1 year	
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**Courses taught:**

Course Title	U.G. or P.G.
13ME32- Environmental Science and Engineering	U.G
BMG701-Total Quality Management	U.G
13ME63-Finite Element Analysis	U.G
BMG601- Principles of Management	U.G

**2. Honors / Awards :**

- School 1<sup>st</sup> in HSC exam
- College 1<sup>st</sup> & University 19<sup>th</sup> rank in UG
- Best Outgoing Student in UG (2009-13 batch)
- College 1<sup>st</sup> & University 1<sup>st</sup> in PG

**3. Academic Achievements**

**3.1 Short term Courses / Seminars / Conference/ Workshops organized:**

As Convener / coordinator: \_

**3.2 Short term Courses / Seminars / Conference/ Workshops Attended: -**

Sl. No	Title of the paper	Name of the seminar/conference/ workshop attended	Name of the Institution	No. of days
1.	Participated	Seminar on “Role of Robotics in Defence through unmanned ground vehicles”	Francis Xavier Engineering College, Tirunelveli.	1
2.	Participated.	International Conference on Global convergence on a finite planet	Francis Xavier Engineering College, Tirunelveli.	2
3.	Relative valve timing analysis in a multi cylinder engine	National Conference on Advances in Mechanical Engineering	Mepco Schlenk Engineering college, Sivakasi	1
4.	Study and Analysis of Biometric verification using thermal images of Palm-Dorsa vein patterns	International Conference on Bio-Medical Applications	SCAD College of Engineering and Technology, Cheranmahadevi.	1
5.	Effect of warping Deformation mode in the prediction of free edge stresses in the composite laminates	National Conference on Emerging Trends in Engineering Design	Government College of Engineering, Tirunelveli.	1

6.	Prediction of warping Deformation in composite laminates and its validation through experimental means	International Conference on Advanced Materials & Manufacturing	CAPE Institute of Technology, Levingipuram	2
7.	Factors influencing submerged arc welding on stainless steel - a review	International Conference on Modeling, Simulation and control	Karpagam College of Engineering, Coimbatore	2
8.	Study On Post Weld Heat Treatment On Mechanical Properties And Microstructural Characteristics Of Gas Tungsten Arc Welded AA 6063 And AA 7075 Aluminium Alloys	International Conference on Productivity, Efficiency & Competitiveness in Design and Manufacturing	PSG College of Technology, Coimbatore	2
9.	Multi Objective Optimization of Turning Parameters in CNC Machine by GRA And COPRAS	International Conference on Advanced Engineering and Technology for sustainable Development	Karpagam College of Engineering, Coimbatore	2
10.	Participated	One day seminar on “Solar photovoltaic and Thermal Energy-state of art Technology for rural development”	National Engineering College, Kovilpatti.	1
11.	Analysis on Mechanical performance of Bamboo and Glass Fiber Reinforced Epoxy Hybrid Composite Structure	National Conference on Recent Advances in Mechanical Engineering	National Engineering College, Kovilpatti.	1
12.	Identification of High Risk Group Prone and corresponding preventions Recommendations	International Conference on Recent advances in Management, Architecture, Technology and Engineering	Sangamam Hotel, Trichy. (organized by IJARMATE, an International Journal)	2

**3.3 Expert Lecture Delivered : -**

**3.4 Area of expertise : Composite materials**

**3.5 Membership in Professional bodies:**

Name of Society	Grade of Membership
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Institute of Engineers	Associate Member
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### 3.6 Research Achievements : -

#### 3.6.1 Details of Project guided

S.No.	Title of the project work	UG/PG
1.	Free Edge Stress Evaluation In an angle ply E-Glass Fiber Composite Laminated structures	Final Year UG
2.	Stress Analysis in a Boiler piping from boiler feed pump to De-aerator to overcome vibration	Final Year UG

#### 3.6.2 International Journal Publications

Sl. No	Title	Name of the Journal	Publication Details	Present Impact Factor
1.	Prediction of Free Edge Stresses in the Composite Laminates and It's Validation through Experimental Means	IJARTET	Vol. 1, Issue 4, December 2014 ISSN 2394-3777 (Print) ISSN 2394-3785 (online)	1.002
2.	Study and Analysis of Biometric Verification Using Thermal Images of Palm-Dorsa Vein Patterns	IJARTET	Vol. II, Special Issue XIX, February 2015 ISSN 2394-3777 (Print) ISSN 2394-3785 (online)	1.002
3.	Effect of Warping Deformation mode in the prediction of Free Edge stresses in the composite laminates	IJAER (Annexure II Research India publishers	ISSN 0973 – 4562 Vol. 10 No.62 (2015) Research India Publications	1.8233
4.	Factors influencing submerged arc welding on stainless steel - a review	ARP (Annexure II)	ISSN 1819-6608 VOL. 11, NO. 2, JANUARY 2016 pp 1237-1241	2.5682
5.	Hybrid Optimization of Turning Parameters using COPRAS-TAGUCHI technique	IJAER (Annexure II Research India publishers	ISSN 0973-9769 Volume 11, Number 3, (2016) Special Issues pp.719-728	1.8233

6.	Identification of High Risk Group Prone and corresponding preventions Recommendations	IJARMATE	ISSN (ONLINE): 2454-9762 Volume 2,Special Issue 13, March 2016 pp. 13-20	4.231
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**3.5.2 Sponsored Projects Sanctioned : -**

**Sponsored Projects Recommended by Experts: -**

**3.5.3 Research Guidance :**

Scholars Completed : -

Scholars pursuing : -

Scholars' submitted thesis if any : -

**3.5.4 Conference attended – Session Chair : -**

**3.6 Countries visited : -**

**3.7 International Research Collaborations : -**

**3.8 Additional Responsibilities held**

1. Placement Coordinator/Mech
2. Tutor for 24 second year students
3. Association Activities/Mech – Incharge
4. Project coordinator – Final year UG
5. CDIO lab Incharge
6. IQAC member