

Curriculum Vitae

Dr .Asif Iqbal M Doddamani

“JM Manzil”
Near SECAB School
Naubagh-12,
VIJAYPUR-586101
KARNATAKA, India

Email: asif.d12@gmail.com

Phone: +91-8050633873



EDUCATION QUALIFICATION

Course	Institute	University/ Board	Class	Year of passing
B. E (Mechanical Engg.)	BLDEA'S DR P.G HALAKATTI COLLEGE OF ENGG & TECHNOLOGY	VTU, Belgaum	First Class	1998-2003
M. Tech. (Machine Design)	BLDEA'S DR P.G HALAKATTI COLLEGE OF ENGG & TECHNOLOGY	VTU, Belgaum	First Class With Distinction	2013-2015
Ph.D	BLDEA'S DR P.G HALAKATTI COLLEGE OF ENGG & TECHNOLOGY	VTU, Belgaum		DEC-2025

EXPERIENCE (12 Years, Teaching)

- TEACHING EXPERIENCE**

1) Organization Name: **SECAB Institute of Engineering and Technology, Vijaypur**

Designation : Assistant Professor

Duration : July-2015 to till date

2) Worked as **Lecturer** in Department of Mechanical Engineering, SECAB Institute of Engineering and Technology, Vijayapura from Jun 2012 to July 2013.

Port Folio Handled

Sl. No.	Designation	Duration
1	Central promotion coordinator SECAB. I. E. T, Vijayapur	Nov-2015 to till Date
2	Event co-ordinator Department of Mechanical Engg. SECAB. I. E. T, Vijayapur	Oct.2015 to till date
3	Cultural and NSS Co-ordinator Department of Mechanical Engg. SECAB. I. E. T, Vijayapur	July 2015 to till date
4	Central Indian Red Cross Society Co-ordinator	June-2022 to till date
5	PMKVY Co-ordinator Department of Mechanical Engg. SECAB. I. E. T, Vijayapur	July 2017 to till Date
6	Dept Admission Co-ordinator Department of Mechanical Engg. SECAB. I. E. T, Vijayapur	July-2015 to till date

Subjects Handled

• UG THEORY SUBJECTS

SUBJECT	SUMMARY
1) Design of Machine Elements-1	Design of curved beams ,rivets, studs,nuts & bolts welded joints,Design of IC engine Components
2) Elements of Mechanical Engg.	Internal Combustion engines, 2/4 stroke petrol engines, 4-stroke diesel engine, Refrigeration and Air conditioning, Lathe, drilling, milling, grinding machines, welding, soldering, Engineering materials,composites

3) Mechanics of Materials	Stress, strain, shear stress, shear strain, Mohr circle for plane stress condition, shear force and bending moments(SFD & BMD), types beams & loads, torsion in solid & hallow shafts, columns with different end conditions.
5) Dynamics of Machines	Friction and belt drives, Laws of friction, flat belt drives, Balancing of rotating masses, static and dynamic balancing of rotating masses, Governors- Types of governors, Gyroscope.
6) Design of Machine Elements-II	Design of belt drives ,design of clutches brakes,gears ,Lubrication & bearings ,springs
7) Finite Elements methods	Hydraulic power, Pascal's law, Different types of hydraulic pumps, Hydraulic Actuators and Hydraulic motors, Maintenance of hydraulic system, Hydraulic oils, Reservoir system, Filters and strainers, Pneumatic control- Pneumatic systems, Pneumatic actuators.
8) Material Science and Metallurgy	Crystal structure- BCC, FCC, HCP. Mechanical behavior- Stress- Strain diagram for different materials, Fracture, creep, fatigue, Composite Materials.
8) Mechanical Vibrations	Damped vibrations.undamped vibrations, Forced Vibration with Coulomb Damping Torsional Vibrations,viscous Damping
9) CAED	Views, orthographic planes,lamina, Orthographic projections, Projections of Solids, Sections And Development of Lateral Surfaces of Solids, Isometric Projection

• **UG PRACTICAL SUBJECTS**

SUBJECT	SUMMARY
1) Material Science Lab	Microstructure of metal/alloy, stress strain test of mild steel, izod test, charpy test, vicker test
2) Computer Aided Modeling and Analysis Lab	Study of a FEA package and modeling stress analysis of bars, trusses, and beams. Stress analysis of a rectangular plate with a hole, Thermal analysis.

• **PG THEORY SUBJECTS (MACHINE DESIGN)**

<p>1) Advanced Theory of Vibrations</p>	<p>Review of Mechanical Vibrations, Vibration Control: Vibration Measurement and applications: Modal analysis & Condition Monitoring: Transient Vibration of single Degree of freedom systems: Random Vibrations: NonLinear Vibrations: Continuous Systems:</p>
<p>2) Continuum mechanics</p>	<p>:Analysis of Stress: Deformation and Strain: Two Dimensional Problems in Cartesian Co-Ordinates, Two Dimensional Problems in Polar Co-Ordinates, Torsion of Prismatic Bars:</p>

RESEARCH WORK

• **PAPER PUBLISHED IN REPUTED JOURNALS**

1) Experimental and FEA Comparison of Cold Formed Stainless Steel and Aluminium Alloy Having Perforation of Various Combinations Subjected to Buckling Load

International Journal of Engineering Innovation & Research

Volume 4, Issue 4, ISSN: 2277 – 5668 , June-2015

2) Parametric Studies and Numerical Analysis of Low Velocity Impact on Smart Hybrid Composite Laminates

American Journal of Materials Synthesis and Processing.

Received: September 7, 2016; Accepted: June 15, 2017; Published: July 31, 2017

3) Experimental investigation of bending properties of carbon fiber reinforced epoxy composites

International Journal of Mechanical And Production Engineering, ISSN: 2320-2092,

Volume- 5, Issue-11, Nov.-2017

4) Energy-Exergy Analysis of CI Engine Fuelled with Rapeseed/Waste Cooking Oil based Biodiesel **Volume: 06 Issue: 04 | Apr 2019 International Research Journal of Engineering and Technology**

5) Experimental Investigation of sliding wear characteristics of Aluminium based metal reinforced with SIC, Al₂O₃ and cadmium sulphide, **Springer May-2021**

6) Studies on Physical, Mechanical & Tribological Properties of Al6063 Incorporated with CNT & Nano Clay as Filler Materials jun-2025 in Q3 Journal Tribology and Industry

FUNDED PROJECTS BY KSCST

Sl. No.	Project Title	Applied under (SPP Series)	AMOUNT SANCTIONED
1.	Enhancement in the design Specification and fabrication of portable Harvesting machine for multicrop	40 th	5000/-
2.	Design and development of aqua silencer to prevent global warming	41 th	5000/-
3.	Estimation of exhaust emission parameters of 4-stroke Diesel engine using waste cooking oil dispersed with Nanomaterial dispersed as fuel	42 nd	6000/-
4.	Artificial intelligence based optimized model for the dimensional synthesis of four bar mechanism	43 rd	5000/-
5.	Design and fabrication of low cost ,light weight portable domestic puffed rice (Mandakki) making Machine	46 th	6500/-

Nain Project :

Design and development of manhole cleaning Machine got funding of 50,000/- from NAIN 2.0 (New Age Innovation Network), initiated by the Karnataka government

ORGANIZED WORKSHOPS, EVENTS, FDP ETC.

Sl. No.	Event/FDP	Department/Institute	Duration & Date
1	Regional Round of Aerotrix Automobile Prototyping Challenge” conducted in association with “Techkriti’15, IIT Kanpur	Department of Mechanical Engg., SECAB. I. E. T, Vijayapur	2-Days, 13-14 th March, 2015
2	Pedagogy	SECAB. I. E. T, Vijayapur	1-Day, 21 st October 2014
3	Auto Gusto – 2k16 a two day project based training program	Department of Mechanical Engg., SECAB. I. E. T, Vijayapur	2-Days, 12 th & 13 th April, 2016
4	Texzellenez-2K19	Department of Mechanical Engg., SECAB. I. E. T, Vijayapur	25 th & 26 th of Mar-2019
5	VTU-TEQIP 1.3 Sponsored Program on “MATLAB based artificial intellegency techniques in engineering applications	Department of Mechanical Engg., SECAB. I. E. T, Vijayapur	2-Day, 5 th & 6 th , October, 2019
6	Assembly and disassembly of IC-engines	Department of Mechanical Engg., SECAB. I. E. T, Vijayapur	14th & 15th of Mar-2018
7	“GPU s ignite artificial intelligence machine learning & deep learning	SECAB. I. E. T, Vijayapur	24 th & 25 th October, 2017

ATTENDED WORKSHOPS, EVENTS, FDP ETC.

- 1) Attended one week FDP on **“Innovative Product Design”** from 29th March to 2nd April, 2016 held at **BLDECET, Bijapur.**
- 2) Attended FDP on **“Faculty orientation workshop – 2016”** held at **SECAB. I. E. T, Bijapur.**
- 3) Attended a workshop **“E – Resource for Academic Excellence and Research”** on 27th October, 2016 held at **BLDECET, Bijapur.**
- 4) Attended FDP on Teaching methodology at VTU regional center Mysuru, **KARNATAKA, INDIA.** March 29- April 2, 2016.
- 5) Attended one week one week faculty development programme on **“Innovative Pedagogy in Teaching Learning ”** held from 21st-26th Jan-2019, held at Secab.I.E.T , Vijaypur
- 6) Attended Two days faculty development programme on **“Emerging trends in quality Education in Institutes of higher Education”** from 22nd to 23rd –Feb-2019, held at B.L.D.EAs college of Engg & Technology, Vijaypura
- 7) Attended a one week workshop on **“GPUs Ignite Artificial Intelligence Machine Learning & Deep Learning”** from 6th to 10th February, 2018 held at **SECAB. I. E. T, Bijapur.**

As a Resource Person

Sl. No.	College	Place	Topic	Date
01	Dept of Civil Engineering Malik Sandal Polytechnic	Vijayapur	Pumps & Turbines	31/03/2018
02	Dept of Mechanical Engineering , Malik Sandal Polytechnic	Vijayapur	Emerging Trends of Analysis Techniques Using Ansys Software	01/02/2019
03	Dept of Civil Engineering Malik Sandal Polytechnic	Vijayapur	Pumps & Turbines	26 th & 27 th Mar 2019
04	Dept of Mechanical Engineering , Malik Sandal Polytechnic	Vijayapur	Design of Shafts & keys	11/09/2019
05	Dept of Mechanical Engineering , Malik Sandal Polytechnic	Vijayapur	Workshop on Finite Element Analysis using ANSYS software	25/02/2020 To 26/02/2020
06	Dept of Physics Akka Mahadevi women University	Vijayapur	Special Lecture Series on Nuclear Physics	23/06/2025 To 27/06/2025

As a Motivational Speaker

Sl. No.	College	Place	Topic	Date
01	Chetana Pu college	Vijayapur	Motivation Session on self confidence	12/09/2018
02	Association of Muslim Professionals	Vijayapur	Know yourself	16/07/2019
03	Govt Udru High school Mudhebihal	Muddebihal	Kamyabi ka wajid Rasta	16/12/2019
04	Association of Muslim Professionals	Vijayapur	Know Yourself	16-07-2022
05	Al-Hasnat High School	Vijayapur	Motivational Session and Judge	10/08/2022
06	IQRA girls High School	Vijayapur	.Motivational Session and judge	23/08/2022
07	R M SHAH Public School ,	Indi	Know Yourself	10/09/2022
08	Reliance Pu college	Talikot	Career Guidance	14/01/2026

HONORS, AWARDS ETC.

- ❖ The project entitled “Estimation of exhaust emission parameters of 4-stroke Diesel engine using waste cooking oil dispersed with Nanomaterial as fuel” which was selected for the “**BEST PROJECT OF THE YEAR AWARD**” during Karnataka State Council for Science & Technology (KSCST) 42nd series Project exhibition. **Govt. of Karnataka.**
- ❖ Received appreciation from Backward classes & Welfare Dept, **Govt of Karnataka** for conducting Session on Career Opportunities after Graduation on 20th June 2023
- ❖ Received appreciation from **Nehru Yuva Kendra, Ministry of Youth Affairs & Sports, Govt of India** for conducting Session on Career Opportunities after Graduation on 20th June 2023

PERSONAL DETAILS

Date of Birth : 24.03.1981
Father’s name : Mohammed Husen Doddamani
Sex : Male
Marital Status : Single
Languages Known : English, Hindi, Urdu and Kannada.
Nationality : Indian

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge

Place: Vijayapur

(Asifiqbal M Doddamani)