



GAURAV NINAWE

Date of birth: 8 Jan 1992 | **Nationality:** Indian | **Gender:** Male | (+91) 9891319205 |

gauravninawe008@gmail.com |

138, SUYOG NAGAR, Near NIT Garden, 440015, Nagpur, India

● WORK EXPERIENCE

25 JUL 2016 – CURRENT – Prayagraj, India

ASSISTANT PROFESSOR – SAM HIGGINBOTTOM UNIVERSITY OF AGRICULTURE, TECHNOLOGY AND SCIENCES

Teaching undergraduate subjects, postgraduate subjects

Research Activities

Business or sector - Teaching and education

● EDUCATION AND TRAINING

2 SEP 2015 – 23 SEP 2021 – Naini, SHUATS, Prayagraj, India

PH D. IN MECHANICAL ENGINEERING – Sam Higginbottom University of Agriculture Technology and Sciences

Thesis Title: IMPACT OF CARBON NANOTUBES AS NANO-ADDITIONS MIXED IN COTTON SEED BIODIESEL BLENDED WITH DIESEL FUEL IN CI ENGINE - AN EXPERIMENTAL ANALYSIS

Field(s) of study

- I. C. Engine, Alternative energy, Biofuel

<http://shuats.edu.in/>

AUG 2013 – AUG 2015 – Gautam Buddh Nagar, NOIDA Sector 125, NOIDA, India

M. TECH IN AUTOMOBILE ENGINEERING – Amity University

Description - The exhaust emission measurement of heavy duty vehicles and light vehicles are modified. The main objective was on newly evolving instrumentation and instrument based emission measurement methods for measuring the exhaust gases like carbon monoxide, carbon dioxide, nitrogen oxides and particulate matter.

Field(s) of study

- Automobile Engineering

9.02 CGPA | "Advancement in emission measurement system design to analyze the exhaust gases of the vehicle" |

<https://www.amity.edu/>

AUG 2009 – JUN 2013 – Chhatrapati Shivaji Maharaj Administrative Premises, Ravindranath Tagore Marg, Nagpur, India

BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING – Rashtrasant Tukadoji Maharaj Nagpur University

Description - The principal in this reactor type is the utilisation of the kinetic energy of a high velocity liquid jet to enter the gas phase and to create a fine dispersion of the two phases.

Field(s) of study

- Mechanical Engineering

65 % | Design and Fabrication of Jet Loop Reactor to study the Hydrodynamic parameters |

<https://www.nagpuruniversity.ac.in/v2/>

AUG 2007 – JUN 2009 – Temple Road, Civil lines,, Nagpur, India

12TH SCIENCE – Hislop College

Field(s) of study

- Science

63% | <https://www.hislopcollege.ac.in/contactus.php>

78%

● **LANGUAGE SKILLS**

Mother tongue(s): MARATHI

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
HINDI	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Microsoft Word | Microsoft Powerpoint | Auto CAD (Computer Aided Design Software) | Solid Works (Machine Designing Software)

● **MANAGEMENT AND LEADERSHIP SKILLS**

Innovative Teaching and Guidance

I became a keen observer of my teachers, comparing their different philosophies and approaches, thinking about their teaching methods, and assessing which methods enhanced my own learning. I have supervised many students and participated in the thesis dissertation committee of another students. I coordinated the Summer Training program in the Mechanical Engineering Department during the academic session. Coordinated the summer training of a total of 125 Mechanical Engineering summer training students during these academic years.

● **FIELD OF INTEREST**

Mechanical Engineering

- Automobile Engineering
- Renewable Energy (Solar Energy)
- Thermal Engineering
- Material Science
- Environmental Science

● **PUBLICATIONS**

Influence of carbon nanotubes as additive in diesel-biodiesel blends in CI engine-an experimental

2020

G. Ninawe & M. Tariq (2020) Influence of carbon nanotubes as additive in diesel-biodiesel blends in CI engine - an experimental investigation, International Journal of Sustainable Engineering, DOI: [10.1080/19397038.2020.1790059](https://doi.org/10.1080/19397038.2020.1790059)

Impact of Carbon Nanotubes as Additives with Cotton Seed Biodiesel Blended with Diesel in Ci Engine

2020

Ninawe, G., & Tariq, M. (2020). Impact of carbon nanotubes as additives with cotton seed biodiesel blended with diesel in Ci engine - An experimental analysis. *Nature Environment and Pollution Technology*, 19(1), 211–219.

Improvement of Engine Combustion with Diesel-Biodiesel Blend Using Nanoparticles

2019

Ninawe, G., & Tariq, M. (2019). *Improvement of Engine Combustion with Diesel-Biodiesel Blend Using Nanoparticles*. 14(24), 4406–4409.

ALGAL BIO-FUEL AS AN ALTERNATIVE FOR THE FUTURE OF AUTOMOBILE INDUSTRIES IN INDIA

2017

Ninawe, G., & Ninawe, A. S. (2018). *ALGAL BIO-FUEL AS AN ALTERNATIVE FOR THE FUTURE OF AUTOMOBILE ALGAL BIO-FUEL AS AN ALTERNATIVE FOR THE FUTURE OF*. May.

Utilization of bioresources for sustainable biofuels: a review

2017

Gaurav, N., Sivasankari, S., Kiran, G., Ninawe, A., & Selvin, J. (2017). Utilization of bioresources for sustainable biofuels: A Review. *Renewable and Sustainable Energy Reviews*, 73, 205–214. <https://doi.org/10.1016/j.rser.2017.01.070>

Review of Vehicle Emission Measurement and Sampling System

Ninawe, G., & Student, P. G. (2007). Review of Vehicle Emission Measurement and Sampling System Review of Vehicle Emission Measurement and Sampling System Gaurav Vitthal Ninawe. *International Journal of Innovative Research in Science, Engineering and Technology (An ISO, 3297, 7510–7516. <https://doi.org/10.15680/IJIRSET.2015.0408076>*

Advanced Emission Measurement System in Automobiles and Measuring Instruments

2015

Ninawe G. V., Yadav. S., (2015), "Advanced Emission Measurement System in Automobiles and Measuring Instruments", Wide Spectrum , (ISSN: 2250-2815), Vol. 3, No. 11, June 2015

● CONFERENCES AND SEMINARS

30 JUN 2021 – 30 JUN 2021 – RMD SINHGAD SCHOOL OF ENGINEERING, Warje Pune, INDIA
Digital Manufacturing 3D Printing- Present & Future

Online Webinar on "**Digital Manufacturing 3D Printing- Present & Future**" Organised by Department of Mechanical Engineering, RMD SINHGAD SCHOOL OF ENGINEERING, Warje Pune, on 30 June 2021.

8 JUN 2021 – Arasu Engineering College, Kumbakonam, Tamil Nadu-612501(Virtual Seminar)
"Nanomechanical Testing : Theory and Applications"

26 MAY 2021 – 28 MAY 2021 – New Orleans LA, USA, (Virtual Conference)
Experimental investigation of a CI engine performance fuelled with cotton seed biodiesel-diesel blend and multi-walled carbon nanotubes as additive

The American Society of Thermal and Fluids Engineers (**ASTFE**) has organised 5-6TH Thermal and Fluids Engineering Conference (Virtual) held on May 26-28, 2021.

Ninawe, G., & Tariq, M. (2021). Experimental investigation of a CI engine performance fueled with cotton seed biodiesel-diesel blend and multi-walled carbon nanotubes as additive. *5-6th Thermal and Fluids Engineering Conference (TFEC)*, 131–140. <https://doi.org/10.1615/TFEC2021.cbf.032307>

<https://www.astfe.org/tfec2021/>

15 JUN 2015 – 16 JUN 2015 – NOIDA, India.

Advancement in diesel combustion System design to improve the smoke

- Presented a paper entitled "Advancement in diesel combustion System design to improve the smoke" in Department of Mechanical and Automation Engineering, Amity university, Noida

5 APR 2013 – 6 APR 2013 – Nagpur

Design and Fabrication of Jet Loop Reactor to study the Hydrodynamic parameters

Presented a paper entitled "Design and Fabrication of Jet Loop Reactor to study the Hydrodynamic parameters" in the event SPARKS a National level Paper Presentation Competition in K.D.K college, Nagpur

● FACULTY DEVELOPMENT PROGRAMMES, RESEARCH & INTERNSHIPS

9 AUG 2021 – 13 AUG 2021

Sustainable Green Composites: Design, Manufacturing and Characterisation

5 days Faculty development programme organised by AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Sustainable Green Composites: Design, Manufacturing and Characterisation**" from 2021-8-9 to 2021-8-13 at **National Institute of Technology, MEGHALAYA**.

2 AUG 2021 – 6 AUG 2021

Advances in Pollution Control Technologies and Sustainable Development

5 days Faculty development programme organised by AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Advances in Pollution Control Technologies and Sustainable Development" from 2021-8-2 to 2021-8-6 at **Malaviya National Institute of Technology**.

9 JUL 2021 – 13 JUL 2021

DESIGN AND DEVELOPMENT OF ELECTRIC VEHICLE

5 days Faculty development programme organised by AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "DESIGN AND DEVELOPMENT OF ELECTRIC VEHICLE" from 2021-7-9 to 2021- 7-13 at Francis Xavier Engineering College.

28 JUN 2021 – 2 JUL 2021

New & Emerging Technology

"Online Faculty Development Program in association with AICTE in New & Emerging Technologies"

7 JUN 2021 – 11 JUN 2021

"Industrial Automation – Emerging Technologies"

5 Days Faculty Development Programme on "Industrial Automation – Emerging Technologies" by Amity Academic Staff College, in association with Amity Institute of Technology (AIT), TATA Technologies Ltd. (TTL) and Automation Industry Association (AIA), from 7th June to 11th June, 2021.

21 DEC 2020 – 26 DEC 2020

"Machine Learning Applications in Mechanical Engineering"

One-week Faculty Development Programme on

"Machine Learning Applications in Mechanical Engineering" 21st – 26th December, 2020

Organised by Mechanical Engineering Department under the banner of Electronics & ICT Academy, NIT Patna.

26 AUG 2020 – 27 AUG 2020

Emerging Technologies in Biofuel Production (ETBP-2020)

Organised by Department of Mechanical Engineering, Assam Engineering College in association with Assam Science and Technology University (Under TEQIP-III)

24 SEP 2018 – 28 SEP 2018

"Renewable and Sustainable Technologies for Fuels, Chemical and Power Production"

Completed one week course on "Renewable and Sustainable Technologies for Fuels, Chemical and Power Production" organized by Department of Chemical Engineering, MNNIT Allahabad, under "Global Initiative of Academic Networks" (GIAN) in September 24-28 2018.

1 FEB 2015 – 30 JUN 2015

Institutional internship from TERI University

Completed five months Institutional internship from TERI University, Vasant Kunj, New Delhi in June 2015

15 APR 2014 – 30 MAY 2014

Industrial internship from Minda Industries Ltd.

Completed six weeks Industrial internship from Minda Industries Ltd. Gurgaon, India, Switch division in May 2014.

● ORGANISATIONAL SKILLS

2-day project-based training program on IC Engines

A 2-day project-based training program on IC Engines was organised by SAM HIGGINBOTTOM UNIVERSITY OF AGRICULTURE, TECHNOLOGY AND SCIENCES, Allahabad in collaboration with AerotriX, Skyfi Labs, Bangalore, India from 29/04/2019 to 30/04/2019. I was an Event organiser for this program.

2-day project-based training program on Automobile Prototyping

A 2-day project-based training program on Automobile Prototyping was organised by SAM HIGGINBOTTOM UNIVERSITY OF AGRICULTURE, TECHNOLOGY AND SCIENCES, Allahabad in collaboration with AerotriX, Skyfi Labs, Bangalore, India from 30/10/2017 to 31/10/2017. I was an Event organiser for this program.

● HONOURS AND AWARDS

5 OCT 2021

Indo-Asian Best Researcher Award 2021 – INTERNATIONAL MULTIDISCIPLINARY RESEARCH FOUNDATION

In recognition of the consistent superior performance in "Automobile Engineering".

Silver medallist in M-tech Automobile Engineering at Amity University – Amity University

NSS committee head in year 2012 at University level – Nagpur University

● NETWORKS AND MEMBERSHIPS

1 JAN 2020 – 31 DEC 2020

American Society of Thermal and Fluids Engineers (ASTFE)

167 Madison Avenue Suite 501 New York, NY 10016, USA

Membership Number: **11307**

4 AUG 2021 – CURRENT

The Institute of Research Engineers and Doctors

Universal Association of Mechanical and Aeronautical Engineers

Membership Number: SNM20210811933

16 AUG 2021 – CURRENT

International Association of Engineers (IAENG)

Membership Number: 290839

7 OCT 2021 – 6 OCT 2022

International Multidisciplinary Research Foundation

Vijayawada, A.P., India.

Membership Number: 21229

● **HOBBIES AND INTERESTS**

Swimming

Playing Badminton and Cricket

Reading Books

Listening Music
