

PROFILE

1. **NAME AND DESIGNATION** : **Dr.NAGESH.D**
Assistant Professor
Department of Aeronautical Engineering
S.J.C. Institute of Technology,
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2. **RESIDENTIAL ADDRESS** : Gopasandra (V), Oolavadi (P),
Chintamani-563125(T), Chickaballapur(D)

3. **EMPLOYMENT RECORD (Starting from present position)** :

Total Experience: 9.8 Years

UNIVERSITY/COLLEGE	DESIGNATION	DURATION	PERIOD
S J C Institute of Technology	Lecturer in MED	1 Year	21/02/2012 01/03/2013
S J C Institute of Technology	Assistant Professor in MED	8 years	01/03/2013 20/04/2021
S J C Institute of Technology	Assistant Professor in AED	6 months	20/04/2021

EDUCATIONAL QUALIFICATION:

Degree	Year	Specialization	University
Ph.D	2020	AL-6061, BORON & GRAPHITE METAL MATRIX COMPOSITES.	SCE, Bengaluru VTU
M.Tech	2012	MANUFACTURING SCIENCE AND ENGINEERING	PESIT, Bengaluru VTU
B.E.	2010	MECHANICAL ENGINEERING	S J C IT, Chickballapur VTU
DIPLOMA	2007	AUTOMOBILE ENGINEERING	GPT, Chintamani, DTE

MEMBERSHIP OF TECHNICAL/PROFESSIONAL BODIES

:

- Life Member of TRIBOLOGY
- Member of The Institution of Engineers (India)
- Member of Indian Institute of Foundry men

TRAINING PROGRAMMES/SEMINARS/CONFERENCES CONDUCTED:

Sl. No.	Title of the Conference/Seminar/Symposia/Workshop	Dates and Duration	Sponsored / Self-Supported
1.	Industrial automation and Robotics	15 th -16 th Nov2019 (Two Days)	AQMENZ APL Bengaluru
2.	Hands on experience in IC ENGINES	17 th -18 th Aug2019 Two Days	AJ Heuristic Ltd Bengaluru
3	Overview on 3D Printing Technology	14 th -May 2021	Prof SREEKANTH N V Assistance Professor MED,BMSCE, Bengaluru
4	Nano Materials & Characterization	2 nd -July 2021	Dr KESHAVAMURTY. R Professor and Head MED,DSCE, Bengaluru
5	CFD Analysis Of Fluid Flow And Heat Transfer Characteristics In Gas Turbine	7 th -July 2021	Dr ArunKumar G L Assistance Professor MED,BMSCE, Bengaluru

TRAINING PROGRAMMES/ SEMINARS/CONFERENCES ATTENDED:

Title of the Course	Place	Duration	Sponsoring Agency
Inculcating Universal Human Values in Technical Education.	online	Five Days	AICTE
Advance in materials and manufacturing techniques (AMMT)	ADCET Ashta,Sangli	One week	ISTE STTP
Industry 4.0; Advanced Manufacturing	KSNRCE Kadapa,AP	Three Days	KSNRCE Kadapa,AP
Contact and Non-contact Measurements	BMSCE Bengaluru	Five Days	ISTE, BMSCE
Recent Developments and Challenges in materials and manufacturing Process (RDCMMP2018)	BIT Bengaluru	Two Week	AICTE STTP

Certificate Course On Materials Characterization	IIT M Chennai	Five days	IIM-HRD Center IIT M
FDP On “In pursuit of Innovation, Product Development , IPR and EDC”	SVCE Bengaluru	Five days	Indian Society for NDT
“Conference on Recent Research Emerging trends in Mechanical and Civil Engineering” ICRRETMCCE-2018	REVA UNIVERSITY Bengaluru	Two Days	JANATICS Pneumatics And ISHRAE
Workshop on “Processing and characterization of Metal Matrix composites”	SJCIT Chickballapur	Five Days	VTU- TEQIP1.3
Methods of computation in fluid flows – an industrial approach	SJCIT Chickballapur	Five days	MED SJCIT
Industrial automation and Robotics	SJCIT Chickballapur	Two Days	AAPL
All India Seminar on pneumatic drives and their applications	SJCIT Chickballapur	Two Days	IEI & SJCIT
“Conference on Recent Research Emerging trends in Mechanical and Civil Engineering” ICRRETMCCE-2019	REVA UNIVERSITY Bengaluru	Two Days	JANATICS Pneumatics And ISHRAE
22 nd ISTE State Level Faculty Convention	SJCIT Chickballapur	One Day	ISTE, SJCIT
Computer Aided Design, Drawing and Analysis of Mechanical systems.	SJCIT Chickballapur	21Days	Edu CADD

PUBLICATIONS

International Journals:

1. “Tribological characteristics of Al6061, boron, and graphite hybrid metal matrix composites”
Advance in materials and processing technologies, Taylor and Francis 05/jul/2021, Volume 7, Issue 3 (2021) Page No. 1-15 (Scopus Indexed)
2. “Synthesis and characterization of al 6061 reinforced with 2% graphite, 2% boron hybrid MMCs using stir and centrifugal casting technique”. IJMPERD, ISSN (P): 2249-6890; ISSN(E): 2249-8001OCT 2018, VOL. 8,PP. 113-124
3. “Wear behavior of al6061 reinforced with borax MMCs” IJARTET, ISSN : 2394-3777 ISSN :2394-3785.PP:167-175.
4. “Optimization of tribological properties of al6061, boron and graphite MMCs using Taguchi

method” IOSR-JMCE ISSN: 2278-1684 ISSN: 2320-334X, PP:55-72.

5. “Evaluation of mechanical properties of borax and graphite based Al-6061 composites” IJRET eISSN: 2319-1163 | pISSN: 2321-7308pp: 9-15
6. “Study on the influence of graphite on mechanical properties of Al6061-hbn-gr hybrid MMC’s” IJETCR ISSN: 2348 - 2117 .PP:113-117.

International Conferences:

SL NO	Topic	Venue	Year	
1	Mechanical Properties of Borax and Graphite Based Al-6061 Composites	Dept. of PG Studies, VTU, MYSORE	2015	International level
2	Synthesis and Characterization of Al 6061 Reinforce with Graphite Composite by Using Stir and Centrifugal Casting Technique.	RISE, PESIT Bengaluru	2016	International level
3	Synthesis and Characterization of Al 6061 Reinforce with Graphite, Borax Composite Using Stir and Centrifugal Casting Technique	EWIT Bengaluru	2016	International level
4	wear behavior of al6061 reinforced with borax.	ICTESE- SJCIT Chickballapur	2018	International level
5	To study the working and operation of transonic combustion	REVA UNIVERSITY Bengaluru	2018	International level
6	Synthesis and characterization of Al6061 reinforce with 2% Gr and 2% B composite by using stir and centrifugal casting technique.	REVA UNIVERSITY	2018	International level
7	Tribological properties of al6061, boron and graphite MMCs using pin and disc wear testing machine.	REVA UNIVERSITY	2019	International level
8	Design and development of FDM 3D based foldable printer.	BANGALORE INSTITUTE OF TECHNOLOGY	2021	State Level Student Project Exhibition & Competition (SPEC2021)

National Conferences:

SL NO	Topic	Venue	Year	
1	3-D Thrust Vectoring Nozzle	EPCE,AMCE Bengaluru	2014	National level (FIRST PRIZE)
2	Study Of The Supercritical -Co ₂ Cycle And It's Comparison With The Steam Cycle	PESIT,EPCE Bengaluru	2016	National level
3	Harnessing High Altitude Wind Energy Through Threaded Airborne Turbines To Power Households	PESIT, EPCE Bengaluru	2016	National level (SECOND PRIZE)
4	Power Generation By Tidal Wave Energy Using Floating Magnetic Buoys	PESIT,EPCE Bengaluru	2016	National level
5	Design And Fabrication Of Power Operated Road Cleaning Machine.	NCETME Chickballapur	2018	National level (FIRST PRIZE)
6	Automatic pneumatic braking system	RAIES SJCIT CB PUR	2021	National level
7	Design and development of FDM 3D based foldable printer.	BIT Bengaluru	2021	National level

AREAS OF INTEREST: Unmanned Aerial Vehicles, Additive manufacturing, Automobile Engineering, Automotive Electronics, Hydraulics and Pneumatics, Computer Integrated Manufacturing, Tool Design, Mechanical Measurements and Metrology, Mechatronic and Micro Processor, Non-Traditional Machining, Automation and Robotics, Metal Cutting and Forming, Energy Engineering. Computer controlled manufacturing.

AREAS IN WHICH EXPERT LECTURERS CAN BE DELIVERED :

Automobile Engineering, Automotive Electronics

MAJOR ACHIEVEMENTS:

1.Design And Fabrication Of Power Operated Road Cleaning Machine.

New Age incubation network (NAIN) 2.1 Lakh (First prize in project exhibition)

2. PMKVY-TI -CNC PROGRAMMER -AICTE

15/02/2017 to 04/07/2018 (400Hr) 5,26,500 Rs

AWARDS/HONORS:

Design and development of FDM 3D based foldable printer, Won 2nd prize under oral presentation category at state level student project exhibition and competition(SPEC2021)

ANY OTHER CONTRIBUTION TO THE DEPARTMENT /COLLEGE:

- NBA Coordinator
- R & D work
- Workshops & Seminars conduction
- Alumni work
- Coordinator for co-curricular activities for some events like Debates, Quiz, Choreography etc
- Member of Stock Verification Committee

Dr NAGESH.D