

SHIVAKUMAR M M, BE, M. Tech, (Ph.D.)

Assistant Professor.

Department of Mechanical Engineering.

The Oxford College of Engineering

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SSLC: Mannamma high school, with 70% - 2006
PUC: DVS composite PU College, shimoga with 60% - 2008
Graduate: Bachelor in Mechanical Engineering (VTU) with 70 % - 2012
Post Graduate: Master Degree in Machine Design with (VTU) 75% -2014
(Ph.D.): Pursuing (VTU)
Course work: coursework has been completed

Publications:

1. Ravikumar M, Hanumanthe Gowda, Umesh G L, Raghavendra S, Darshan S M, **Shivakumar M M**, Santhosh Somashekar, An Experimental Investigation on Effect of B₄C/CeO₂ Reinforcements on Mechanical, Fracture Surface and Wear Characteristics in Al7075 Hybrid Metal Matrix Composites, The International Journal of Integrated Engineering, Scopus, **Under Review**.
2. G R Gurunagendra^{a*} **Shivakumar M M**^b Prashanth T^a Siddesha H S^c Ravikumar V^a, an “Progressive Review on Mechanical and Tribological Properties of Nano Aluminium Composites” The International Journal of Integrated Engineering, Scopus.- Ready to upload.

Industry Experience:

2. **PETROFAC Engineering Service India Private Limited, Chennai** is engineering and Consulting Company specialized in oil and gas, refinery, petrochemicals.

- a) **Designation:** Design engineer
- b) **Duration:** Aug 2014 – 2016
- c) **Work experience:** 2 years

Teaching Experience:

BMS College of Engineering

- a) **Designation**: Assistant Professor.
- b) **Department** : Mechanical Engineering
- c) **organization** : BMS Evening College of Engineering
- d) **Duration**: 2023-Aug – 2024
- e)

BMS Evening College of Engineering

- f) **Designation**: Assistant Professor.
- g) **Department** : Mechanical Engineering
- h) **organization** : BMS Evening College of Engineering
- i) **Duration**: 2021 – 2023

The Oxford College Of Engineering

- a) **Designation**: Assistant Professor.
- b) **Department** : Mechanical Engineering
- c) **organization** : The oxford college of engineering
- d) **Duration**: 2016 – 2021

Workshop Organized

- One-week **Faculty Development Program on Outcome Based Education (OBE)** at B M S Evening College of Engineering, from 16-08-2022 to 20-08-2022.
- One-week **Faculty Development Program on Advanced Materials & Manufacturing Techniques - 2023 (AMMT-23)** at B M S Evening College of Engineering, during 9th – 14th Jan 2023

Short-Term Courses/Conferences/Seminars/Workshops Attended:

- Participated one week Faculty Development Programme On advanced materials and manufacturing techniques (AMMT)-2023 organized by BMSECE & Dept. of IEM, BMSCE in association with ISTE-BMSCE Chapter & VTU during 9th to 14th Jan 2023.
- One Week Online Teachers Training Program On “An Overview of Teaching Techniques in Data Science and Analytics” 25th – 29th April 2022 between 25th & 29th April 2022 Organized by VTU Human Resource Development Centre (VTU - HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) - 562101.
- One Week Online Teachers Training Program On “An Overview of Teaching Techniques in Computational Fluid Dynamics” 09th – 13th May 2022 Organized by VTU Human Resource Development Centre (VTU - HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) - 562101.
- Participated successfully in a one week AICTE-ISTE refresher programme on “recent advances in material design, manufacturing, characterization, machining, and applications” conducted by the department of automobile engineering during 22-02-2022 to 28-02-2022
- Participated In All India Council For Technical Education (AICTE) Sponsored Faculty Development Programme On “**Word Class New Product Design & Manufacturing**” organized by department of automobile engineering, the oxford college of engineering, Bangalore from 1st -13th Jan 2018
- “**Hydraulics and Pneumatics**”, in Bosch Rexroth centre of competence in automation technology organized by VTU held in Mysore.
- Participated in two days faculty development program on “**Know your Intellectual Property rights-patent Awareness Workshop** “sponsored by DST-TIFAC, Govt. of India & organised in association with KSCST, Bangalore & VTU Belagavi on 28th&29th Dec-2017
- Workshop on “**ROBOTICS AND PCB DESIGN**” held on 27-28 October 2017 at the Oxford College of engineering, department of mechanical and mechatronics.
- “**CATIA**”, organized by Educaed center Pvt. Ltd held in Tumkur.
- Participated One Day Dissemination Workshop On “**Wireless Mouse And Keyboard For Physically Handicapped**” Sponsored By Indian Council of Medical Research Held On 14th may 2018.
- Presented a paper/poster entitled “**Fatigue Life Estimation Of Chassis Frame FESM Bracket For Commercial Vehicle**”at the NCSE2018 held on 24th and 25th may 2018

Faculty Development Programme and Workshop

Sl. No.	Date	Particulars	Recognition	Venue
1	06 th January 2024 (One-day)	Hands on Learning with Arduino	-	Dept. of M.E, Dept. E &I, BMSCE
2	29 th Jan- 2 nd Feb, 2024 (One-week)	Latest Trends in Additive Manufacturing	National Centre for Additive Manufacturing	Dept. of M.E, BMSCE
3	11 th – 15 th March, 2024 (5-day)	Inculcating Universal Human Values in Technical Education	AICTE	AICTE, New Delhi
4	9 th to 14 th Jan 2023	Advanced material and manufacturing techniques	ISTE -BMSCE	BMSCE

Sports Achievements

Sl. No.	Event	Organized by	Date	Status
1	Intramural-24, Volleyball	Department of Physical Education and Sports Science, BMSCE, Bengaluru	8 th - 10 th January, 2024	FIRST PALCE
2	Intramural-24, Cricket	Department of Physical Education and Sports Science, BMSCE, Bengaluru	8 th - 10 th January, 2024	FIRST PALCE

Exam duties

Sl. No	Date	College/ University	Course and Code	Examiner
1	06/10/23	R.V College of Engineering	CAEG (22MECD23)	External
2	25/03/24	BMSCE	Innovative and Design Thinking (22ME1AEIDT)	Internal

Question Paper Setting

Sl. No	College/ University	Course and Code
1	BMSECE	Material Science and Metallurgy(19ME3DCMSM)
2	BMSECE	STRENGHT OF MATERIALS(19ME3DCSOM)
	BMSECE	Mechanical Measurements and Metrology (19ME4DCMMM)
	BMSECE	Design of Machine Elements – 1 (19ME4DCDM1)
	BMSECE	Course: Kinematics of Machines (19ME4DCKOM)
	BMSECE	Mechanical Vibrations(20ME6DCMEV)
	BMSECE	Manufacturing Processes (19ME3DCMAP)

3	BMSECE	Project Management(20ME7DCPRM)
4	BMSECE	Non-destructive Testing Code:20ME7DENDT
	BMSECE	Computer Aided Machine Drawing (19ME3DCCMD)
5	BMSECE	Computer Integrated Manufacturing (20ME6DECIM)
6	BMSECE	CAD, CAM & Robotics (20ME5DCCCR)
7	BMSECE	Composite Material Technology (20ME5DECMT)
9	BMSECE	Modelling and Finite Element Analysis (20ME6DCMFE)
10	BMSECE	Control Engineering (20ME6DCCOE)
11	BMSECE	Product Design and Manufacturing (20ME6DEPDM)
13	BMSECE	Solar Thermal Technologies (20ME6DESTT)
15	BMSECE	Internal Combustion Engines (20ME5DEICE)

Additional Responsibilities

1. Appointed as Student Induction Programme Coordinator for Department of Mechanical Engineering, BMSCE from 13th September to 27th September 2023.
2. Appointed as PHASE SHIFT- 2023 stall Coordinator for Department of Mechanical Engineering, BMSCE, held on 14th and 15th of December 2023.
3. Coordinated during EMS AUDIT.
4. Appointed as faculty to coordinate for the NCMC courses (NSS and Physical Education).

Courses Handled

Sl. No.	Course and Code
1	Computer Aided Engineering Drawing (22ME1EED)
2	Introduction to Sustainable Engineering (22ME1ETISE)
3	Mechanical Measurements and Metrology (19ME4DCMMM)
4	Material Science and Metallurgy(19ME3DCMSM)
5	Introduction to mechanical engineering
6	Elements of mechanical engineering
7	Strength of Materials(19ME3DCSOM)
8	Project Management(20ME7DCPRM)
9	Universal Human Values (22MA4HSUHV)
10	Innovative and Design Thinking (22ME1AEIDT)

The information provided above are true to best of my knowledge and proofs are attached herewith.

**Shivakumar M M,
Assistant Professor,
Department of M.E,
BMSCE.**