




K.V.G. COLLEGE OF ENGINEERING

Kurunjibhag, Sullia, D.K.-574 327, Karnataka, INDIA

E-mail: office@kvgengg.com website: www.kvgengg.com

Department of Mechanical Engineering and Research Centre

FACULTY PROFILE

Name of the Faculty	Dr. SUNIL KUMAR M	
Designation	Associate Professor	
Contact Numbers	Office: 08257- 231141 Mobile: 9449104776	
E-mail ID	Sunil.motadka@gmail.com	

• Educational Qualification

Degree	Specialization	Year of Passing	College & University
B.E	Mechanical Engineering	1995	KVG college of Engineering, Sullia Mangalore University
M.I.T	Information Technology	2005	Manipal Academy of Higher Education
M. Tech	Product Design and Manufacturing	2006	KVG college of Engineering, Sullia VTU, Belagavi
Ph.D.	Mechanical Engineering (Composite Materials)	2019	KVG college of Engineering, Sullia VTU, Belagavi

• Work Experience

Teaching	Research	Industry
26 Years	12 Years	-----

• **Date of Joining to this College**

2nd Feb 1996

• **In-House Experience**

Designation	Duration		Department
	From	To	
Associate Professor	03-03-2012	Till the Date	Mechanical Engg.

• **Outside Experience**

Designation	Place	Duration	
		From	To
Lecturer	K.V.G College of Engineering Kurunjibag, Sullia.D.K	02-02-1996	31-03-2005
Sr.Lecturer	K.V.G College of Engineering Kurunjibag, Sullia.D.K	01-04-2005	30-06-2006
Assistant Professor	K.V.G College of Engineering Kurunjibag, Sullia.D.K	01-07-2006	02-03-2012
Workshop Superintendent	K.V.G College of Engineering Kurunjibag, Sullia.D.K	02-02-2009	Till date
Associate Professor	K.V.G College of Engineering Kurunjibag, Sullia.D.K	03-03-2012	Till date

• **Area of Interest**

Composite Materials	Product Design and Development	Manufacturing	Hydraulics & Pneumatics		
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• **Subject Taught**

<ul style="list-style-type: none"> -Engineering Graphics - Elements of Mechanical Engineering - Thermodynamics-I - Thermodynamics-II - Machine Drawing - Theory of Machines-II - Manufacturing Process-I 	<ul style="list-style-type: none"> - Manufacturing Process-II - Manufacturing Process-III -Metrology and Measurements - Non- Traditional Machining - Energy Engineering - Hydraulics and Pneumatics - Smart Materials - Product Design & 	<ul style="list-style-type: none"> -Additive Manufacturing - Product Design and Development - Rapid Prototyping - Engineering Ergonomics - Product Analysis and Cost Optimization -Industrial Design and Ergonomics -Applied thermodynamics (ATD)
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	Manufacturing	
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- **Membership in Professional Bodies/University Bodies/Organizations**

- **Member of Indian Society for Technical Education (MISTE) : LM – 24996**

- **Publications**

National / International Journals	National / International Conferences
03	04

- **Publications : International Journals**

1. “Preparation and Characterization of areca bast fiber reinforced epoxy and vinylester composites“ Volume 5, Issue 12, December 2014 IJMET,pp 55- 65.
2. “Preparation and Characterization of short areca leaf fiber reinforced epoxy and vinyl ester composites” Volume No.4, Special Issue (01), March 2015, IJARSE ISSN-2319-8354 (E), pp 1635- 1646.
3. “Water Absorption and Diffusion Properties of Areca Fiber Reinforced Epoxy and Vinyl ester Composites”, Volume No 4, Special Issue (01), March 2015, IJARSE ISSN-2319-8354 (E), pp 1647- 1652.

• Publications : National / International Conferences

1. “Investigation on Mechanical and Physical behavior of areca leaf fiber reinforced epoxy and vinylester composites”, Advances in new Engineering materials and Characterization, 2010.
2. “Investigation on Mechanical, Physical and Thermal behaviour of areca bast fiber reinforced epoxy and vinylester polymer composites.” Advances in Mechanical Engineering – 2011.
3. “Effect of Natural Fibers on Mechanical Properties in Hybrid Polymer Composites”. National Conference on Emerging Trends in Materials for Advanced Technology – 2012.
4. “Characterization of Chemically treated Natural Fiber Reinforced Epoxy Composite”, Proceedings of the 2nd International Conference on Current Trends in Engineering and Management, 2014.
5. “Preparation and Characterization of Areca Leaf Fiber Reinforced Epoxy and Vinyl ester Composites”, International Conference on Recent Trends in Engineering Science and Management, 2015.
6. “Water absorption and Diffusion Properties of Areca Fiber Reinforced Epoxy and Vinyl ester composites”, International Conference on Recent Trends in Engineering Science and Management, 2015.
7. “Preparation and Mechanical Characterization of Areca Bast Fiber Reinforced Epoxy Composites”, International Conference on Advanced Materials and Technology, 2016.

• **Professional Activities: NPTEL Course**

Registered for the NPTEL exam 2020

• **Faculty Development Programmes (FDP) Participated**

SL. No.	Program Title	Venue	Date & Year
1.	Faculty Development Program	NITK- STEP	12-01-2009 To 23-01-2009
2.	Staff Development Program	NMAMIT, Nitte	01-08-2007 to 03-08-2007

• **Workshops / Short-term Course Attended**

SL. No.	Workshop Title	Place	Date & Year
1.	Micro and Smart Systems	Institute for Smart Structures and Systems, NITK, Surathkal	February 2004 (Five days)
2.	Modern Management Techniques in Manufacturing	K.V.G.C.E, Sullia D.K	April 2004 (One day)
3.	Challenges in Product Development	The National Institute of Engineering, Mysore	April 2004 (One day)
4.	Advances in Design, Manufacturing and Analysis of Composites and Smart Materials	Institute for Smart Structures and Systems, NITK, Surathkal	May 2005 (One day)
5.	Multimedia in Teaching- Learning	Sri Siddhartha Institute of Technology, Tumkur	June – 2005 (One day)
6.	Micro – Electro Mechanical Systems	National Institute of Technology Karnataka, Surathkal	August 2005 (Two days)
7.	CNC Machine Tools: Programming and Operation	National Institute of Engineering and Govt. Tool Room and Training Centre, Mysore	March 2006 (Three days)
8.	Fluidics and Automation	St. Joseph Engineering College, Vamanjoor, Mangalore	April 2006 (Two days)
9.	Advances in Design, Manufacturing and Analysis of Composites and Smart Materials	Department of Mechanical Engineering, NITK, Surathkal	July- 2010 (Five days)

10.	Intellectual Property and Innovation Management in Knowledge Era	National Research Development Corporation, New Delhi and K.V.G College of Engineering, Sullia D.K	Nov-2013 (One day)
11.	Rapid Prototyping and Manufacturing	K.V.G College of Engineering, Sullia D.K	March- 2014 (One day)

• No. of Project Guided

UG	PG
20	04

• Responsibilities Taken in College Level

Event	Positions	Duration	
		From	To
1.Welfare Fund	Secretary	2005	Till date
2.KSCST Project	Co- Ordinator	2006	Till date
3. Alumni Association	Vice President, Sullia Chapter	2006	June 2014
4.Technical Fest (VSION & THANTRAJNA 14)	Program chairman	May 2018	-----
5.Antirragging Squad	Member	2000	2011
6.EXPO – College level Project Exhibition	Organizer	2006	Till date
7.College level Sports Meet	Member	1999	2013
8.College Day Celebration	Member and Chairman of Discipline Committee	2000	2015
9.Karnataka Rajyothsava Celebration	Member and Chairman of Discipline Committee	2016	Till date
10.Magazine	Member	2012	-----
11.N.B.A work	Member and Co-ordinator	2014 & 2018	Till date
12. Session Chair Person	Tech Fest	2015	-----

• Responsibilities Taken in Department Level

Event	Role	Duration	
		From	To
1. Project work (UG)	Co-ordinator	2006 and 2013	-----
2. Workshop	Workshop Superintendent	2009	Till date
3. Test	Co-ordinator	2000	-----
4. Seminar	Co-ordinator	2002	-----
5. M.E.A	Co-ordinator	2014	-----
6. Counselling	Counsellor	2007	2017
7. Class advisor	Advisor	2016	-----
8. NBA	Criteria X – Co-ordinator	2018	Till date

• Participation details in the college level event.

SL.No.	Event	Position / Role
1.	College sports meet	Participated in the sports events like Valley ball , tug of war

• Participation details in the Department level activities

SL.No.	Event	Role / Responsibilities
1.	Counseling	Counselor for ME Students

• No. of Lab Manual / Program Guidelines Prepared

SL. No.	Lab manual / Guide lines Title	Semester and branch	Year
1.	Workshop Practice Lab	I Year B.E	2011, 2012 and 2013
2.	Machine Shop	II Year B.E	2011

• No. of Labs handled for UG and PG

SL. No.	Lab Title	Year	Semester & Branch
1.	Workshop Practice	1997 to 2017	I Year B.E

2.	Material Testing Lab	2017	II Year B.E
3.	Foundry and Forging Lab	1999,2010, 2013	II Year B.E
4.	Machine shop	1999 to 2018	II Year B.E
5.	Fluid Machinery Lab	2005 to2014	III Year B.E
6.	Energy Engineering lab	2006 to 2016	III Year B.E
7.	Heat and Mass Transfer Lab	2000 to 2017	III Year B.E

• **Awards / Recognition / Achievements/ Others**

- Served/Serving as **Question Paper setter, valuator and moderator** for UG and PG program of VTU Belagavi.

Dr. SUNIL KUMAR M., MECHANICAL ENGG.DEPT., KVGCE, SULLIA, D.K - 574 327

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