

Name **SHRAVANKUMAR B. KERUR**
Principal,
B.V.V.Sangha's
Biluru Gurubasava Mahaswamiji Institute
of Technology, Mudhol- 587 313



**Work Experience : 2 years Industry
22 years Teaching**

Education

Qualification	Specialization	Institute	Year of award
Ph.D.	Aerospace Engineering	Indian Institute of Technology, Kharagpur	2013
M. Tech.	Machine Design	Basaveshwar Engineering College, Bagalkot	2006
B. E	Industrial Production Engg	Basaveshwar Engineering College, Bagalkot	1996

Subjects handled for

PG courses (M. Tech): Finite Element Methods, Composite Structures, Advanced Theory of Vibrations, Fracture Mechanics

UG courses (B.E.): C programming, Strength of Materials, Machine Design I & II

Projects Sanctioned: VGST K-FIST (L1) Rs. 20,00,000, 2014-15, Grant from Govt. of Karnataka to establishing Smart Composite Structures Research Center (SCSRC)

No of Ph.D. students registered	:	05
Publication in International Journals	:	10
Publication in International Conferences	:	16
Projects guided for M. Tech. (Last Three Years)	:	12
Projects guided for B.E. (Last Three Years)	:	18
KBITS Projects selected (Last Three Years)	:	05 (Rs. 10.00 Lakhs)
Workshops conducted (Last Three Years)	:	06
Workshops attended as Resource Person (Last Three Years)	:	20

Hobbies: Reading books, Travelling, watching movies, cartoons & sports.

List of Publication in International Journals:

1. **Shravan B Kerur**, Jagadish V Tawade, Mahadev Biradar and Bharatkumar K. Manvi, Effect of Non uniform heat source / Sink for the Casson nanofluid in presence of Viscous Dissipation over the porous stretching sheet, Journal of Engineering Sciences, Vol 11, Issue 7, July/2020 ISSN, NO: 0377-9254, www.jespublication.com
2. **Shravan B Kerur**, Jagadish V Tawade, Mahadev Biradar and Bharatkumar K. Manvi, Radiation effects on heat transfer of MHD Casson nanofluid flow over a porous stretching sheet in presence of Non uniform heat source/sink, Journal of Information and Computational Science, Volume 10 Issue 7 – 2020, ISSN: 1548-7741, www.joics.org
3. Jagadish V. Tawade, Ashokkumar Koti, **S. B Kerur**, Bharatkumar K. Manvi, Entropy generation of viscoelastic Fluid Flow over a porous stretching sheet with internal heat generation, The International journal of analytical and experimental modal analysis Volume XI, Issue X, October/2019, ISSN NO: 0886-9367
4. **Shivanand and Kerur, S. B.** A review on various beam theory techniques for dynamic analysis of rotating laminated shafts, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249-6890; ISSN (E): 2249-8001, Vol. 9, Issue 4, Aug 2019, 11-22
5. **Shivanand and Kerur, S. B.,** A review on various beam theory techniques for dynamic analysis of rotating laminated shafts, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2, July 2019
6. **Kerur, S.B. and Ghosh, A.,** Geometrically nonlinear bending analysis of piezoelectric fiber Reinforced composite (mfc/afc) cross ply plate under Hygrothermal environment (Part-I), *Journal of Thermal Stresses*, 36:12, 1255-1282, 2013, DOI: 10.1080/01495739.2013.818887
7. Prabhuraj Kumbar, **S.B.Kerur** and Shankar H. Sanni, Experimental Validation Of Geopolymer Concrete Flexural Beams Using Ansys, *International Journal of Advances in Management, Technology and Engineering Sciences*, Vol. 2, Issue 9(VI), pp. 102-106, June 2013 ISSN:2249-7455.
8. Nagaraj Kantli and **S.B.Kerur**, Static Analysis of Composite Spur Gear, *International Journal of Advances in Management, Technology and Engineering Sciences*, Vol. 2, Issue 9(VI), pp. 1-4, June 2013 ISSN:2249-7455.

9. **Kerur, S.B. and Ghosh, A.**, Active Control of Geometrically Non-Linear Transient Response of Smart Laminated Composite Plate Integrated with AFC Actuator and PVDF Sensor, *Journal of Intelligent Material System & Structures*, Vol. 22(11), pp. 1149-1160, July 2011.
10. **Kerur, S.B. and Ghosh, A.**, Active Vibration Control of Composite Plate Using AFC Actuator and PVDF Sensor, *International Journal of Structural Stability and Dynamic*, Vol. 11(2), pp. 237-255, 2011.
11. **Kerur, S.B. and Ghosh, A.**, Active Vibration Control of Geometrically Nonlinear Smart Composite Shell (*Under Review, ASME Journal of Vibration and Acoustics*).
12. **Kerur, S.B. and Ghosh, A.**, Active Control of Geometrically Non-Linear Transient Response of Smart Laminated Composite Plate/shell Integrated with MFC Actuator and PVDF Sensor Under Hygrothermal Environment (*Communicated*)
13. **Kerur, S.B. and Ghosh, A.**, Geometrically nonlinear bending analysis of piezoelectric fiber Reinforced composite (mfc/afc) angle ply plate under Hygrothermal environment (Part-II) (*Communicated*)
14. Nagaraj Kantli and **S.B.Kerur**, Dynamic Analysis of Composite Spur Gear, (*Communicated*)

List of Publication in International Conferences:

1. Nagaraj Kantli and **S.B.Kerur**, Static and Transient Behavior of Fiber Reinforced Composite Spur Gear (FRCG) Analysis, International Conference on Design, Materials and Manufacture 2019 at NITK Suratkal, 6-7 Dec, 2019.
2. Basayya K. Belleri, and Kerur, S.B., Dynamic analysis of four bar planar mechanism extended to six-bar planar mechanism with variable topology, Citation: AIP Conference Proceedings 1943, 020094 (2018); doi: 10.1063/1.5029670, online: <https://doi.org/10.1063/1.5029670>, <http://aip.scitation.org/toc/apc/1943/1>, Published by the American Institute of Physics
3. **S. B. Kerur**, Nagappa R Siddgonde, Ravikant B Mulage, "Numerical Analysis of Low Velocity Impact on Woven Fabric Laminated Composite Plates" NIER-International Conference on Emerging Trends in Engineering and Technology (ICET-15), 6th June Mysore, 2015
4. Anvesh A katti ,Manjunath B Yalwar, **S.B.Kerur**, "Geometrically Nonlinear Analysis of Laminated Composite Plate under Thermal Environment", International Conference on Advances in Engineering Research (ICAER), 17th May 2015 Bangalore.

5. Murgayya S Basavankattimath, **S.B.Kerur**, “Static Analysis of Nano Beam”, International Conference on Developments in Engineering Research (ICDER), 26th April 2015 Salem.
6. Vijay Simha K., Malkanagouda Patil, **S. B. Kerur**, “Post Buckling Analysis of Composite Panel”, *International Conference on Mechanical And Production Engineering (ICMPE)*, 29th June 2014 Pune.
7. Sangameshwar Patil, Prabhuling Sarasambi, **S. B. Kerur**, “Dynamic Analysis of Composite Bracket”, *International Conference on Mechanical and Production Engineering (ICMPE)*, 29th June 2014, Pune.
8. Prabhuling Sarasambi, Sangameshwar Patil, **S. B. Kerur**, “Buckling Analysis of Composite Structures”, *International Conference on Mechanical and Production Engineering (ICMPE)*, 29th June 2014, Pune.
9. G.S. Patil, and **Kerur, S.B.**, Geometrically Nonlinear Analysis of Composite Plate, *Proceedings of the ICRIIEECME 2014 Conference on Recent Innovations in Electrical, Electronics, Computer and Mechanical Engineering, 1st June, 2014, Bangalore, India*
10. M. S. Patil, and **Kerur, S.B.**, Dynamic Analysis of Composite Spur Gear, *Proceedings of the ICRIIEECME 2014 Conference on Recent Innovations in Electrical, Electronics, Computer and Mechanical Engineering, 1st June, 2014, Bangalore, India*
11. **Kerur, S.B. and Ghosh, A.**, Active Vibration Control of Geometrically Nonlinear Smart Composite Shell, *Proceedings of the ASME 2013 Conference on Smart Materials, Adaptive Structures and Intelligent Systems*, September 16-18, 2013, Snowbird, Utah, USA, SMASIS2013-3248.
12. Nagaraj Kantli and **S.B.Kerur**, Static Analysis of Composite Spur Gear, *International Research Conference on Innovative Strategies in Commerce, Management, Engineeringg, Technology and Social Sciences*, 10-11 June, 2013 Shree Damodar College, Margao, Goa, INDIA.
13. Prabhuraj Kumbar, **S.B.Kerur** and Shankar H. Sanni, Experimental Validation Of Geopolymer Concrete Flexural Beams Using Ansys, *International Research Conference on Innovative Strategies in Commerce, Managenment, Engineeringg, Technology and Social Sciences*, 10-11 June, 2013 Shree Damodar College, Margao, Goa, INDIA.
14. **Kerur, S.B. and Ghosh, A.**, Geometrically Nonlinear Transient Response of Active Fiber Composite Smart Plate, *Proceedings of International Conference on Theoretical, Applied, Computational and Experimental Mechanics*, December 27-29, 2010, IIT Kharagpur, India, ICTACEM-2010/257.
15. **Kerur, S.B. and Ghosh, A.**, Vibration Control of Geometrically Non-Linear Composite Smart Plate with AFC Actuator and PVDF Sensor,

Proceedings of International Conference on International Conference on Vibration Engineering & Technology of Machinery, December 13-15, 2010, IIT Delhi, VETOMAC-VI-AB00124.

16. **Kerur, S.B. and Ghosh, A.**, Active Control of Geometrically Nonlinear Transient Response of Smart Laminated Composite Plate Integrated With AFC Actuator and PVDF Sensor, *Proceedings of the ASME 2010 Conference on Smart Materials, Adaptive Structures and Intelligent Systems*, September 28 - October 1, 2010, Philadelphia, Pennsylvania, USA, SMASIS2010-3647.

Workshops conducted:

Sl. No.	Name of the Work shop	Date
1	Introduction to Effective Writing Using Latex for M.Tech 2 nd Year and PhD Students	05-03-2013 to 09-03-2013
2	Introduction to Effective Writing Using Latex For M.Tech I year Students	20-04-2013 to 21-04-2013
3	Technical Talk by Dr. C M. Manjunath, Senior Principal Scientist & Group Head, NAL, Bangalore	9-10-2014 to 10-10-2014
4	Introduction to Effective Writing Using Latex for M.Tech 2 nd Year and PhD Students	05-11-1024 to 07-10-2014
5	One day HRD program for BGMIT faculty	2018
6	Three days Management Capacity Enhancement Programme for BGMIT staff	15-07-2018 to 17-07-2018

Workshops attended as Resource Person:

Sl. No.	Name of the Work shop	Date
1	FDP on Research Methodology at Govt. Polytechnic, Bagalkot	02-12-2019 to 06-12-2019
2	CCTEK 2 week FDP on Quality Education through soft skills at Govt. Polytechnic, Bagalkot	01-07-2019 to 11-07-2019
3	ISTE & IEI STTP on Report Writing Tools at BLDEA's VP Dr. PG Halakatti College of Engineering & Technology, Vijayapur	24-04-2019
4	National Conference on Recent Innovations in Engineering Science, Technology & Management 2019 at Agnel Institute of Technology & Design, Assagoa, Goa	24-01-2019 to 25-01-2019
5	Guest Lecture on How to Select UG Project for BE Final Year Students at BLDEA's VP Dr. PG Halakatti College of Engineering & Technology, Vijayapur	07-09-2018
6	STTP on Elements of Vibrations, Government Engineering College Haveri	11-06-2018 to 15-06-2018
7	FDP on Recent Advances in Materials- Properties, Hirasugar Institute of Technology, Nidasoshi	16-01-2018 to 20-01-2018
8	STTP on Finite element Analysis Using ANSYS, BLDEA's Shree Sanganabasava Mahaswamiji Polytechnic, Vijayapur	18-01-2018
9	VTU SDP on Effective Writing Using Latex, VTU, Belagavi	14-06-2015 to 16-06-2015
10	VTU-VGST FDP on Recent Advances in Composite Materials" at Basavakalyan Engg College, Basavakalyan – 585 327	09-05-2014 to 12-05-2014
11	1 Day SDP on Fibre Reinforced Polymer Composites at Basaveshwar Engg. College, Bagalkot – 587 102	28-02-2014
12	3 Days SDP on Finite Elements in Engineering Applications at Basaveshwar Engg. College, Bagalkot – 587 102	21-02-2014 to 23-02-2014
13	Workshop on Advances in Mechanism Design at Bheemanna Khandre Institute of Technology, Bhalki-585328	14-05-2013 to 16-05-2013
14	HRD Training Programme for Iyr BE/MTech/MCA/MBA Students at Basaveshwar Engg. College, Bagalkot – 587 102	13-10-1012 to 14-10-2012 15-09-1012 to 16-09-2012

Workshops/ Conferences attended as Participant:

Sl. No.	Name of the Work shop	Date
1	Session Chair and Paper Presented at International Conference on Design, Materials and Manufacture 2019 at NITK Suratkal	06-12-2019 to 06-12-2019
2	e-attestation officers Training programme at VTU Belagavi	18-11-2019
3	Workshop on New NAAC Accreditation process for Engineering Colleges	25-10-2019
4	Advance pedagogy at IIM Kozhikode	26-09-2016 to 28-09-2016
5	Management Capacity Enhancement Programme at IIM Inodre	15-11-2015 to 22-11-2015
6	Short Course on FRP Composites: Overview, Characterization, Analysis, Design and Applications, Dept. of Mech Engg. IIT Hyderabad	10-07-2014 to 11-07-2014
7	Effective Leadership for Excellence by Intl. Academy for Competency Enhancement, Bangalore	08-02-2014 to 09-02-2014
8	Work shop Data Analysis and Statistical S/w at Basaveshwar Engg. College, Bagalkot – 587 102	22-11-2013 to 23-11-2013
9	Design, Modelling and Simulation of MEMS at Basaveshwar Engg. College, Bagalkot – 587 102	10-07-2013 to 12-07-2013
10	International Research Conference on Innovative Strageries in Commerce, Managenment, Engineeringg, Technology and Social Sciences, Shree Damodar College, Margao, Goa, INDIA.	10-06-2013 to 11-06-2013

PhD Details

Sl. No.	Student Details	USN	Title	Registration Date	Status
1	NAGARAJ KANTLI	2BA15PMJ04	Numerical Investigation of Static and Dynamic Behavior of Fiber Reinforced Polymer Composite Spur Gear	11-Sep-2017	On going
2	BHARATKUMAR K MANVI	2BA15MJ09	Momentum, heat and mass transfer for mhd boundary layer flow of non newtonian fluids over a stretching sheet	12-Dec-2014	On going
3	SHIVANAND	2BA17PMA08	Delamination study of Composite Structures.	16-Mar-2017	On going
4	BASAYYA K BELLERI	2BA13PMN06	Dynamic Analysis of Six bar and Eight bar Planar Mechanism with Variable Topology.	20-Oct-2016	On going
5	MAHESH A KORI Co-guide	2BA15PMJ06	Study on Mechanical, Tribological and Thermal properties of Polymer Composites	16-Sep-2017	On going