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Research Gate:

https://www.researchgate.net/profile/Srinivasa_Chikkol_Venkateshappa

Google Scholar:

<https://scholar.google.com/citations?user=EfVnJyUAAAAAJ&hl=en&authuser=4>

Dr. SRINIVASA C V

Professor in ME, Director IDEA Lab

Faculty

Faculty of Engineering and Technology

School / Program

School of Engineering

B.Tech. in Mechanical Engineering

Faculty Introduction

Dr. Srinivasa C. V. is a Professor and Head of the Department of Mechanical Engineering at GM University, Davanagere. He holds a Ph.D. in Mechanical Engineering from Visvesvaraya Technological University and has over two decades of academic and research experience. His research focuses on solid mechanics, composite and sandwich structures, and vibration and buckling analysis using experimental and finite element methods. Dr. Srinivasa has made significant contributions to the development of bio-based and hybrid composite materials, supported by several funded projects. He has published extensively in reputed international journals and serves on editorial boards of leading scientific publications.

Qualifications

Ph.D. (Specialisation)

Visvesvaraya Technological University (VTU), Belagavi, 2014

M. Tech. (Design Engineering)

Visvesvaraya Technological University (VTU), Belagavi, 2003

BE (IP)

Mangaluru University, 2001

Experience

Teaching

- 21 Years at GM University, Davanagere
- 01 Year at UBDT College of Engineering, Davanagere

Industry

1 Year Project Trainee at Structures Division, NAL, Bengaluru

Research

Solid Mechanics with emphasis on composite structures, vibration, buckling, and finite element analysis.



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Training Program Attended

- Workshop on National Intellectual Property Rights Policy” on January 28-30, Gujarat Council on Science and Technology (GUJCOST), Gujarat, India
- one-week short term training programme on “Introduction to Smart Materials and Structures”, at IIT Madras, Jan 04-08, 2011
- I.S.T.E New Delhi sponsored one-week short term training programme on “vibration analysis and condition-based maintenance of machinery”, J.N.N.C.E., Shivamogga, March 12-17, 2007.
- One-day work shop on “Mathematical Applications in Engineering Systems” B.I.E.T., Davanagere, October 27, 2007
- Workshop on “Material Testing”, J.N.N.C.E., Shivamogga, November 16- 17, 2007
-

Research Interest

- Composite and sandwich structures
- Vibration and buckling analysis
- Finite element modelling and Analysis
- Bio-based and hybrid composite materials

Awards & Achievements

- PATENT NO. 358213 granted on 10th Feb 2021: Method of Biosurfactant Production Using a Novel Bacterial Isolate Bacillus thuringiensis SMT2 and Agro-industrial Wastes. Patent Application No. 35/DEL/2013.
- Young Scientist Award at the 82nd annual session of Indian Science Congress Association held at Jadavpur

Publication / Patents

Patents

- **Antioxidant compound extracted from roots of *Mangifera indica* Rasapuri**
Patent No.: 202141007062 A
Field: Chemical Sciences
Status: Filed (Published)
Filed: 2021-02-19
Published: 2021-02-26
- **Torque Indicating Dual Action Universal Hand Wrench**
Patent No.: 6270258
Field: Engineering & Technology
Status: Granted
Filed: 2023-03-22



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Published: 2023-03-28

- **Windscreen Defroster and Defogger**

Patent No.: 137886

Field: Engineering & Technology

Status: Published (filed)

Filed: 2023-03-23

Published: 2023-03-24

- **Windscreen Defroster and Defogger**

Patent No.: 137886

Field: Engineering & Technology

Status: Published (filed)

Filed: 2023-03-23

Published: 2023-03-24

- **Windscreen Defroster and Defogger**

Patent No.: 137886

Field: Engineering & Technology

Status: Published (filed)

Filed: 2023-03-23

Published: 2023-03-24

- **Ph.D. Dissertation:**

- **Personal Doctoral Research**

Title: Buckling and Free Vibration Studies on Laminated Skew Plates and Sandwich Skew Panels

Institution: Jawaharlal Nehru National College of Engineering Shivamogga, affiliated to Visvesvaraya Technological University Belagavi.

Year of Award: 2014

Field of Research: Solid Mechanics (Composites, Sandwich Structures, Vibrations, Buckling, Experimental and FEM Analysis)

Ph.D. Research Scholars Supervised

- Studies on Natural Frequencies of Surface-Modified Natural Fibers and Their Polymer Composites.

Ph.D. Research Scholar: Mr. Ashok R. Banagar.

- Buckling and Free Vibration Studies on Flat and Cylindrical Sandwich Skew Panels.

Ph.D. Research Scholar: Mr. Pavan Kumar

Ph.D. Research Scholars under Supervision

- Free Vibration Studies on Fibre Metal Laminated Sandwich Panels.

Ph.D. Research Scholar: Mr. Sandeep H. S.



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- Evolution of Friction, Wear and Thermal Performance of Areca Husk based Bio-Composites for Sustainable Brake and Clutch Applications
Ph.D. Research Scholar: Mr. Manjunatha S

- Vibration and Buckling Characteristics of Hybrid Sandwich Structures
Ph.D. Research Scholar: Mr. Girish G B

- **National Conference Papers:**

- *“Free Vibration Studies on Plates with Central Cut-Out,”* presented at the National Conference on Advances in Mechanical Engineering (NAME 2019), Jawaharlal Nehru National College of Engineering, Shivamogga, Karnataka.

- *“Buckling of Skew Plates Subjected to Concentrated In-Plane Edge Loading Using Finite Element Method,”* Proceedings of the National Conference on Recent Advances in Mechanical Engineering (NCRAME 2011), pp. 501–506.

- *“Buckling of Skew Plates Subjected to Linearly Varying In-Plane Edge Loading Using Finite Element Method,”* Proceedings of the National Conference on Advances in Robotic, Mechanical Engineering and Design (ARMED 2011).

- *“Advances in Mechanical Engineering (NAME 2010),”* presented at the National Conference on Advances in Mechanical Engineering, JNNCE, Shivamogga, Karnataka, September 24–25, 2010.

-

- **International Conference Papers:**

- *“Experimental and Numerical Studies on Buckling of Composite Skew Plates,”* presented at the International Conference on Composite Materials: Manufacturing, Experimental Techniques, Modeling and Simulation (ICCMEMS 2018), Lovely Professional University, Jalandhar–Delhi GT Road, Phagwara, Punjab, India, March 1–3, 2018.

- *“Advances in Mechatronics, Control and Automation Engineering (MCAE 2017),”* presented at the International Conference on Mechatronics, Control and Automation Engineering, Shenzhen, China, September 17–18, 2017.



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- “Advances in Robotic, Mechanical Engineering and Design (ARMED 2011),” presented at the International Conference on Advances in Robotic, Mechanical Engineering and Design, Reva Institute of Technology and Management, Bengaluru, Karnataka, India, 2011.
- “Recent Advances in Composite Materials (ICRACM 2004),” presented at the International Conference on Recent Advances in Composite Materials, Banaras Hindu University, Varanasi, India, December 17–19, 2004

National Journal Papers:

- Girish, G. B., Srinivasa, C. V., Y. J. Suresh, & Gireesha, R. C. (2011), “Buckling of skew plates subjected to concentrated in-plane edge loading using finite element method,” Proceedings of the National Conference on Recent Advances in Mechanical Engineering (NCRAME-2011), pp. 501–506.
- Girish, G. B., Srinivasa, C. V., & Y. J. Suresh (2011), “Buckling of skew plates subjected to linearly varying in-plane edge loading using finite element method,” Proceedings of the National Conference on Advances in Robotic, Mechanical Engineering and Design (ARMED-2011).
DOI: <https://doi.org/10.13140/2.1.1934.7526>

International Journal Papers:

- Bennehalli, B., Nagaraja, S., Poyil, S. S., Mohan R. R., Banagar, A. R., Kumaraswamy, S., Srinivasa, C. V., & Ammarullah, M. I. (2025), “Surface Modification of Sustainable Bio-Derived Arca Sheath Fibers for Enhanced Mechanical and Thermal Properties in Epoxy-Based Biocomposites: Spectroscopic, Thermogravimetric, and Crystallographic Insights,” Journal of Natural Fibers, published online 15 May 2025.
DOI: <https://doi.org/10.1080/15440478.2025.2497914>
- Basavaraju, B., Nagaraja, S., Banagar, A. R., Srinivasa, C. V., Ramesh, B. T., Ramdan, D., & Ammarullah, M. I. (2024), “Influence of suspended cenospheres on the mechanical



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characteristics and wear loss of natural fiber-reinforced hybrid composites: implications for biomedical applications and sustainable material management,” RSC Advances, 14(45), 33332–33344.

DOI: <https://doi.org/10.1039/D4RA06223J>

- Hemaraju, B., Ramesh, B. T., Banagar, A. R., Raghu Patel, G. R., Srinivasa, C. V., & Dhanalakshmi, S. (2024), “Extraction and characterization of hemicellulose and lignin contents of areca fiber,” Journal of the Indian Academy of Wood Science.

DOI: <https://doi.org/10.1007/s13196-024-00330-9>

Chethan, S., Devadiga, U., Srinivasa, C. V., Hemaraju, & Banagar, A. R. (2023), “Bending behavior of clamped skew plates,” Journal of Mines, Metals and Fuels, 71(12B), 217–226.

DOI: <https://doi.org/10.18311/jmmf/2023/45587>

- Banagar, A. R., Raghu Patel, G. R., & Srinivasa, C. V. (2022), “Areca sheath fibers, their composites and applications,” in Plant Fibers, Their Composites, and Applications (Woodhead Publishing).

DOI: <https://doi.org/10.1016/B978-0-12-824528-6.00016-3>

- Banagar, A. R., Srinivasa, C. V., & Basavaraju, B. (2021), “Experimental and finite-element studies on free vibration of areca leaf-sheath reinforced polymer composites,” Mechanics of Advanced Composite Structures, 8(2), 367–388.

DOI: <https://doi.org/10.22075/mac.2021.21095.1288>

- Dhotre, P. K., & Srinivasa, C. V. (2021), “Free vibration of laminated skew sandwich plates: a finite element analysis,” Nonlinear Engineering, 10(1), 66–76.

DOI: <https://doi.org/10.1515/nleng-2021-0006>

- Suresh, P. S., Dilip Kumar, K., Dhanalakshmi, S., Srinivasa, C. V., & Basavaraju, B. (2021), “Effect of fiber fraction on the physical and mechanical properties of short areca-sheath fiber reinforced



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polymer composite,” *Materials Today: Proceedings*, 44, 4972–4975.

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- Suresh, P. S., Dilip Kumar, K., Gautham, S. N., Preetham, S., Srinivasa, C. V., & Basavaraju, B. (2021), “Tribological properties of areca-sheath fiber composites,” *Materials Today: Proceedings*, 46(17), 7955–7961.

DOI: <https://doi.org/10.1016/j.matpr.2021.02.689>

- Dhotre, P. K., & Srinivasa, C. V. (2021), “Modal characterization of sandwich skew plates,” *Acta Mechanica et Automatica*, 15(3), 143–153.

DOI: <https://doi.org/10.2478/ama-2021-0019>

- Banagar, A. R., Srinivasa, C. V., & Basavaraju, B. (2021), “Studies on physical and mechanical properties of untreated (raw) and treated areca leaf sheaths,” *Materials Research Innovations*, 25, 404–411.

DOI: <https://doi.org/10.1080/14328917.2020.1834747>

- Rampur, V. V., Banagar, A. R., Ganesh, U., Reur, S. C., Srinivasa, C. V., et al. (2020), “Mechanical characterization of wood apple and coconut shell reinforced hybrid composites,” *AIP Conference Proceedings (ICCEMS 2020)*.

- DOI: <https://doi.org/10.1063/5.0003833>

- Sampath, H. P., Srinivasa, C. V., & Naik, V. (2020), “Study of quasi-static compression behaviour of hollow tubes made of glass/epoxy composite,” *IOP Conference Series: Materials Science and Engineering*, 925(1), 012045.

DOI: <https://doi.org/10.1088/1757-899X/925/1/012045>

- Srinivasa, C. V., Ani, A. S., & Jyothi Prasad, B. M. (2020), “Protective coatings for bio-composites – a review,” *IOP Conference Series: Materials Science and Engineering*, 925(1), 012048.



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- Dhotre, P. K., & Srinivasa, C. V. (2020), “Free vibration studies on skew sandwich plates,” *Composites: Theory and Practice*, 20(3–4), 118–127.

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- Manjunath, C. B., Srinivasa, C. V., Basavaraju, B., Manjunatha, G. B., & Ashok, R. B. (2020), “A review on tribological behaviour of natural fiber-reinforced polymer composites,” *IOP Conference Series: Materials Science and Engineering*, 925, 012011.

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- Ashok, R. B., Srinivasa, C. V., & Basavaraju, B. (2020), “Study on morphology and mechanical behavior of areca leaf-sheath reinforced epoxy composites,” *Advanced Composites and Hybrid Materials*, 3(3), 365–374.

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- Ashok, R. B., Srinivasa, C. V., & Basavaraju, B. (2019), “Dynamic mechanical properties of natural fiber composites — a review,” *Advanced Composites and Hybrid Materials*, 2(4), 586–607.

DOI: <https://doi.org/10.1007/s42114-019-00121-8>

- Srinivasa, C. V., Pavan Kumar, & Thippeswamy, E. (2019), “Free vibration studies on plates with central cut-out,” *CEAS Aeronautical Journal*, 10(2), 623–632.

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- Srinivasa, C. V., Banagar, A. R., Ganesh, U. L., & Rampur, V. V. (2019), “Buckling analysis of plates with rectangular cutouts,” *International Journal of Engineering Research & Technology (IJERT)*, 7(7), 1–5.

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DOI: (DOI not found)
- Srinivasa, C. V., & Pavan Kumar (2018), “On buckling and free vibration studies of sandwich plates and cylindrical shells: a review,” *Journal of Thermoplastic Composite Materials*.
DOI: <https://doi.org/10.1177/0892705718809810>
- Srinivasa, C. V., Y. J. Suresh, & W. P. Prema Kumar (2017), “Buckling of laminated composite cylindrical skew panels,” *Journal of Thermoplastic Composite Materials*, 30(9), 1175–1199.
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by benzenediazonium chloride,” *Journal of King Saud University — Engineering Sciences*, 29(3), 289–294.

DOI: <https://doi.org/10.1016/j.jksues.2015.10.004>

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DOI: <https://doi.org/10.1080/15376494.2016.1142023>

- Srinivasa, C. V., Dhanalakshmi, S., Ramadevi, P., Basavaraju, B., & Raghu Patel, G. R. (2016), “Influence of surface modification on the thermal stability and percentage of crystallinity of natural abaca fiber,” in *Handbook of Composites from Renewable Materials*, Vol. 6 (Polymeric Composites), Wiley, pp. 353–376.

- Srinivasa, C. V., Dhanalakshmi, S., Ramadevi, P., Basavaraju, B., & Raghu Patel, G. R. (2015), “Physical characterization of natural lignocellulosic single areca fiber,” *Ciência & Tecnologia dos Materiais*, 27(2), 121–135.

DOI: <https://doi.org/10.1016/j.ctmat.2015.10.001>

- Srinivasa, C. V., Banagar, A. R., Y. J. Suresh, & W. P. Prema Kumar (2014), “Buckling behaviour of cylindrical panels,” *Nonlinear Engineering*, 4(2), 67–75.

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- Srinivasa, C. V., Dhanalakshmi, S., Ramadevi, P., Basavaraju, B., & Raghu Patel, G. R. (2014), “Influence of fiber content and effect of chemical pre-treatments on mechanical characterization of natural abaca epoxy composites,” *Indian Journal of Science and Technology*, 8(11), 1–11.

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- Srinivasa, C. V., Y. J. Suresh, & W. P. Prema Kumar (2014), “Finite-element studies on free vibration of laminated composite cylindrical skew panels,” *Advances in Mechanical Engineering*, 2014, Article ID 174085, 13 pp.
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plates,” International Journal of Advanced Structural Engineering, 6(1), Article ID: 48.

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DOI: <https://doi.org/10.1186/2008-6695-6-1>

- Srinivasa, C. V., Y. J. Suresh, & W. P. Prema Kumar (2013), “Experimental and finite-element studies on buckling of skew plates under uniaxial compression,” Science and Engineering of Composite Materials, 22(3), 287–296.

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- Srinivasa, C. V., & K. N. Bharath (2013), “Effect of alkali treatment on impact behaviour of areca reinforced polymer composites,” World Academy of Science, Engineering and Technology — International Journal of Chemical, Nuclear, Metallurgical and Materials Engineering, 7(4), 13–137.

- Srinivasa, C. V., Dhanalakshmi, S., Ramadevi, P., & Basavaraju, B. (2013), “Influence of esterification on water absorption of single abaca fiber,” Chemical Science Transactions, 2(2), 413–422.

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- Srinivasa, C. V., Y. J. Suresh, & W. P. Prema Kumar (2012), “Mechanical behaviour of areca fibers reinforced epoxy composite,” *Advances in Polymer Technology*, 31(4), 319–330.
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D. G., & Ashish, J. (2011), “Static bending and impact behaviour of areca fiber composites,” *Materials & Design*, 32(4), 2469–2475.
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- Srinivasa, C. V., Sridhara Murthy, S., & Ravindra Kiragi (2003), “Three-dimensional finite element stress analysis of a typical rescue hoist beam,” NAL PD ST 0327, Structures Division, National Aerospace Laboratories, Bangalore.

Professional Membership

- Indian Society for Technical Education. (Membership No. LM43058) (Life Member)
- Institution of Engineers (India) (Membership No. F-1240524) Fellow Member, Chartered Engineer
- Institution of Engineers (India) (Membership No. F-1240524) Chartered Engineer (C.Eng.)
- Indian Society of Theoretical and Applied Mechanics (ISTAM) (Membership No. L/643) Life Member
- Materials Research Society of India (MSRI) (Membership No. LMB1575) Life Member
- International Association of Engineers (IAENG) (Membership No. 520761) Life Member

Awards & Recognitions

- Best Faculty
- Best Research Scholar

Administrative Responsibilities

- Department Level
- University Level

Workshops / FDPs / Seminars Attended



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- National Workshop on “Integration of AI and IoT in Industrial Automation” Organized by NIT Surathkal- Date: 2nd – 6th January 2024 Online mode

Workshops / FDPs / Seminars Organized

- Faculty Development Programme (FDP) on “Advances in Robotics and Automation” Date: 12th – 16th February 2025 Organised by: Department of Robotics & Automation, GM University

Projects Guided

UG Projects

- Abhishek S. K., Amith C., Manoj G. S., and Nischay K. K. (2024). *Free Vibration Studies on Isotropic and Biodegradable Composite Laminated Plates.*
- Akash C. P., Devaraj G. B., Harsha N., and Hemanthakumara H. C. (2023). *Innovative Material for the Development of Flex Boards.*
- Ramu V. R., Sachin K. Chavan, Uraf Lamani, Shivaji Rao Shinde K., and Shahid Afridi M. (2023). *Smart Sieving Machine.*
- Manoj Kumar K. B., Suman Patil G. R., and Ajit Ramesh Meti (2023). *Development of an Innovative Water-Resistant Laminated Food Packing Material.*
- Siddesh G. L. and Pachikapalam Darshan Kumar (2023). *FEA Analysis of Welded Joints.*
- Parveez Khan, Pavan B. M., Rachith C. Sanga, and Vishal S. Chavan (2022). *Campus Mobility for the Future: The Smart Electric Bicycle.*
- Nandeesh J. M., Nithin Kumar C. A., Sanju D., and Sumanth H. G. (2022). *E-Scrambler.*
- Manjunatha H. D., Marulasiddesh K. S., Mohammed Aslam, and Mohammed Muaaz G. (2022). *E-Walkers: A Bicycle with the Benefit of Good Health.*
- Srikrishna H. S., Pavan S. Jadhav, Pavan L., and Kiran M. R. (2021). *Design of Hybrid Two-Wheeler.*
- Bharath Sharma, Bhoomika D., Sahyadri Kallimani, and Naveen K. (2021). *Areca Sheath: An Innovative Material for Acoustic and Noise Control.*
- Darshan L. Kaladagi, H. S. Tejas, Halesh R. B., and Manoj B. R. (2021). *The Green Studio: A Sustainable Material for Vibro-Acoustic Applications.*



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- Abhishek K. S., Ajay M., and Bhooshan B. (2021). *Half Blooded Bike*.
- Praveen V. Bongale and Marati Prasada (2021). *Bending Behavior of Curved Sandwich Structures*.
- Basavaraj R., Pandurang Mallikarjun Fulari, Santhosh K. B., and Satisha K. (2020). *Development and Testing of Bio-Based Automotive Brake Pad Materials*.
- Rajesh H. S., Adarsha G. S., Chandrashekar P., and Ravikanth K. S. (2020). *Design and Fabrication of Parabolic Solar Water Heater*.
- Naveen Kumar D. R., Chandrashekar S., and Shreehari (2019). *Development and Testing of Hybrid Brake Pad Material for Automotive Applications*.
- Vamshi Krishna, Veeresh S. G., B. N. Sandesh, and Rohan A. R. (2019). *Hopping Cycle*.
- Sachin D. C., Vinay M. H., Praveen Kumar N., and Sagar S. B. (2018). *Experimental Investigation on the Bending Behavior of Hybrid Sandwich Panel under Three-Point Bending Load*.
- Karthik K. B., Lokeshwara V. G., Channabasavanagouda B. P., and Karthik S. H. (2018). *Bending and Impact Behaviour of Hybrid Laminated Composites*.
- Adarsha G. M., Akash M. N., Bharath M., and Bhaskar Raj T. (2017). *Automatic Side Stand System*.
- Mohankumar C., Arun T., Dilip P., and Sunil Bheemanna Manglenavara (2017). *Stair Climbing Cart*.
- Sagar S. Nesaragi, Saifulla S., Shashi Bhushan Chourasia, and Syed Waseem T. (2016). *Can Crusher Machine*. (KSCST Sponsored, Ref. No: 39S_BE_0859)
- Akash V., Charanaraj Choudapur, Gireesh M. T., and Lingaraja V. (2016). *Free Vibration Studies on Laminated Composite Plates and Sandwich Panels Using Finite Element Analysis*.
- Punith V. Power, Rahul Singh, Towsif Mustafa Raza K. F., and Varun N. J. (2016). *Bending Behavior of Bio-Based Sandwich Panels*.
- Anil Kumar P. B., Ranjith M., Sunil B., and Vishwas H. N. (2015). *Development of Sandwich Panels Made from Fronds of Betel Nut*.



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- Prasad C. Nawati, Rakesh Patil, Sumanth B. C., and V. C. Vishal Kumar (2015). *Stress Analysis of Thin-Walled Cylindrical Pressure Vessel under Internal Fluid Pressure.*
- Chetankumar N. L., Halesh B. N., Harsha D. P., and Naveen C. H. (2015). *Experimental and Theoretical Studies on Whirling of Shaft.*
- Praful Kumar H. M., Praveen H. Y., Rakesh R. S., and Vignesh B. C. (2015). *Experimental and Theoretical Stress Analysis of a Shaft Subjected to Combined Loading.*
- Omkar Jadhav, Pavankumar V. Kulkarni, Pradeep N. Acharya, and Subrahmanya G. H. (2014). *Wind Powered Water Pump.*
- Akash G. P., Pavan A., Shridhar Gupta D. Y., and Sunil M. Aagsibagil (2014). *Tensile and Bending Behavior of Roystonea Regia–Areca Sheath Reinforced Hybrid Epoxy Composites.*
- Kaushal Kishore, Pramod Kumar H. M., Sudhir Kumar Yadav, and Yunus Salim (2013). *Buckling Behavior of Axially Compressed Thin-Walled Circular Cylinder.*
- Babukiran R., Himanshu Kumar, Manjunath H., and Naveen Kumar H. (2012). *Free Flexural Vibration Studies on Alumina 7075-T6 and Woven Glass Epoxy Laminated Plates.*
- Deepak L., Nataraja D. S., Naveen L., and Pavankumar (2011). *Buckling Analysis of Woven Glass/Epoxy Laminated Composites.*
- Jayant Kumar Singh, Rahul Sharma, Sadiq Ur Rehman, and Subhash Kumar (2010). *Experimental and Numerical Studies on Buckling Behavior of Aluminum and Glass-Epoxy Laminated Composite Plates.*
- Narayana K. Jannu, Prakash Karager, Santhosh U., and Vinayak Achari (2009). *Finite Element Analysis of Skew Plates.*
- Anil S. G., Ashish J., J. Jaeethendra, and Ravikumar R. B. (2008). *Effect of Matrix and Composite Curing Time on Mechanical Behaviour of Areca Composites – An Experimental Study.*
- Arifulla A., Goutham N., Ravikumar R. B., and Santhosh Kumar D. G. (2007). *Mechanical Characterization of Areca Composites – An Experimental Study.*
- Mallikarjuna M. G., Poornachandra Tejasvi K. S., Praveen Kumar R. G., and Rajesh S. V. (2006). *Finite Element Study of Hollow Tube under Impact Load.*

- **PG Projects**



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- Manjunatha B. D. (2017). *Experimental and Numerical Free Vibration Analysis of Sandwich Composite Plate.*
- Chaitra D. T. (2017). *Effect of Surface Modification on Physico-Chemical and Tensile Properties of Single Areca Sheath Fiber.*
- Adarsh R. Patil (2016). *Free Flexural Vibration Studies on Laminated Sandwich Panels with Circular Cutouts.*
- Anilakumara Neelappa Devareddy (2016). *Free Vibration Analysis of Laminated Sandwich Composite Structures with Square Cutouts.*
- Pavan Kumar (2013). *Free Vibration Analysis of Plates with Central Cutout.*
- Ashok R. Banagar (2012). *Experimental and Numerical Studies on Elastic Buckling Behavior of Cylindrical Panels.*
- Arun Kumar D. T. (2012). *Stress Analysis of Axially Loaded Plate with an Elliptical Hole.*
- Munna Soudagar (2011). *Free Vibration Studies on Cylindrical Curved Panels Using Finite Element Analysis.*
- Rakesh Shantharam Gadadawar (2010). *Axial Impact Analysis of Hollow Tubes Using Finite Element Modelling Approach.*

Funded Projects / Grants Received

- **Green Engineering Research Center and Research on Biobased Sandwich Composite Structures**
Funding agency: Government of Karnataka — Vision Group on Science and Technology (K-FIST, Level I)
Role: Principal Investigator
Year: 2016
Amount sanctioned: ₹20,00,000
Status: Completed.
- **Development of an Innovative Water-Resistance Laminated Food Packing Material**
Funding agency: Karnataka State Council for Science and Technology
Role: Supervisor
Year: 2023
Amount sanctioned: ₹6,000
Status: Completed. **Best Project of the year Award**
- **E-Scrambler**



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Funding agency: Karnataka State Council for Science and Technology

Role: Supervisor

Year: 2022

Amount sanctioned: ₹6,000

Status: Completed.

- **Campus Mobility for the Future: The Smart Electric Bicycle**

Funding agency: Karnataka State Council for Science and Technology

Role: Supervisor

Year: 2022

Amount sanctioned: ₹8,000

Status: Completed. **Best Project of the year Award**

- **An Innovative Water Resistance Sandwich Panels for Vibration and Noise Application**

Funding agency: Karnataka State Council for Science and Technology

Role: Supervisor

Year: 2022

Amount sanctioned: ₹6,000

Status: Completed.

- **e-Walkers: The bicycle with the benefit of Good Health**

Funding agency: Financial Assistance for Innovative -VTU, Belagavi

Role: Supervisor

Year: 2021

Amount sanctioned: ₹5,000

Status: Completed.

- **The Green Studio: A Sustainable Material for Vibro-Acoustic Application**

Funding agency: Financial Assistance for Innovative -VTU, Belagavi

Role: Project Guide



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Year: 2021

Amount sanctioned: ₹5,000

Status: Completed. **Best Project of the year Award**

- **Areca Sheath: An Innovative Material for Acoustics and Noise Control**

Funding agency: Karnataka State Council for Science and Technology

Role: Supervisor

Year: 2021

Amount sanctioned: ₹6,000

Status: Completed. **Best Project of the year Award**

- **Development and Testing of Bio-Based Friction Material**

Funding agency: Financial Assistance for Innovative -VTU, Belagavi

Role: Project Guide

Year: 2019

Amount sanctioned: ₹5,000

Status: Completed.

- **Can Crusher Machine**

Funding agency: Karnataka State Council for Science and Technology

Role: Supervisor

Year: 2016

Amount sanctioned: ₹5,000

Status: Completed.

- **Effect of Matrix and Composite Curing Time on Mechanical Behavior of Areca Composites — An Experimental Study**

Funding agency: Karnataka State Council for Science and Technology

Role: Supervisor

Year: 2008

Amount sanctioned: ₹5,000

Status: Completed. **Best Project of the year Award**



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- **Mechanical Characterization of Areca Composites — An Experimental Study**

Funding agency: Karnataka State Council for Science and Technology

Role: Supervisor

Year: 2007

Amount sanctioned: ₹4,000

Status: Completed. **Best Project of the year Award**

Any Other Contributions