




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Accredited NBA, NAAC with A+, New Delhi

Faculty Name	Dr. Mallikarjun Biradar	
Academic Designation	Associate Professor	
Educational Qualification	BE, PGDMM, M. Tech, Ph.D	
Experience in Years	24	
Area of Interest	Advanced Materials Technology, Finite Element Analysis, Static stress analysis, Analysis of stresses around cooling holes in Gas turbine blades, Stress Concentration Factor, Fracture Mechanics.	
Date of Birth	23-07-1968	
Aadhar No	637839736547	
PAN No	ALIPM6134C	
Email ID	mallikarjun-me@dsatm.edu.in	

Educational Details

- Ph.D – VTU (Design Engineering) - 2015
- M.Tech – VTU (Manufacturing Science & Engineering) – 2000
- PGDMM - Bangalore University -1996
- B.E – Bangalore University (Mechanical Engineering) – 1994

Personal Details

- Date of Birth: 23-07-1968
- Hobbies: Reading Books, News papers, research articles, Meditation, & Sports
- Languages Known: Kannada, English, Hindi.

Professional Experience

- Dayananda Sagar Academy of Technology & Management, Associate Professor, 07-08-2019 to till date.
- Dayananda Sagar College of Engineering, Associate Professor, 04-09-2015 to 06-08-2019.
- Nagarjuna College of Engineering & Technology, Associate Professor, 03-08-2011 to 31-

08-2015.

- Revana Siddeshwar Institute of Technology, Asst. Professor & HOD, 16-09-2000 to 31-08-2011.
- Expanding Engineers Pvt. (Ltd), R&D Cell. DSIR. Design Engineer, 14-04-1997 to 10-08-1999.
- HMT Limited, SWCD, Bangalore, Trainee Engineer, 22-03-1996 to 22-03-1997.
- Peeceeyes Industries Pvt. Ltd, Supervisor, 01-03-1995 to 28-02-1996.

Publications

International Journals:

1. Biradar. Mallikarjun, P. Dinesh, K. I. Parashivamurthy, "Finite Element Analysis of Elastic Stresses Around Holes in Plates Subjected to Uniform Loading", Bonfring International Journal of Industrial Engineering and Management Sciences, Volume 2, Issue 4, December 2012.
2. B. Mallikarjun., Dinesh, P. Parashivamurthy K. I, "Finite Element Analysis of Notch Subjected to Different Loading System", published in International Journal on Mechanical Engineering and Robotics (IJMER), ISSN: 2321-5747, Volume-I, Issue-1, July 2013.
3. B. Mallikarjun., Dinesh, P. Parashivamurthy K. I, "Infinite Plate with Different Hole Analysis For In-Plane Load Using Finite Element Method", International Conference on Science, Engineering and Management [ICSEM-2013], International Journal of Engineering, International Conference on Science Research and Technology", May 2013.
4. Patil Mallikarjun, B. Mallikarjun, M. Sreenivasa Reddy, "Tensile Strength of As-Cast and Innovative Research [IJAIR]", ISSN: 2278-7844, Volume 2, Issue 6, June 2013.
5. Jaya Kishore, Mallikarjun Biradar, CPS Prakash, "Investigation on Mechanical, Tribological and Crack Growth Characteristics of Super Alloys: A Review", ELSEVIER, Materials Today P: Proceedings 00 (2019). Online(www.Scincdirect.com).
6. Rahul M, R. Keshavamurthy, Mallikarjun B, "Mechanical Properties of Graphite Filled ABS Parts Developed by Fused Deposition", IOP Conf. Series, Open access Journal, 2019 Material Science Eng. 577012146(Online).
Modelling.
7. Zubair H, Shweta V, Mallikarjun Biradar, "Microstructure Studies of Nickel Base Super Alloy Braze Joints", International journals of research in Engineering, Science and Management, Vol-2, Issue-7, July-2019. pp 562- 565.
8. S. Jaya Kishore, Mallikarjun Biradar, "Mechanical properties of Titanium and Nickel based Nano composite super alloys: A Review", STM Journals, Emerging Trends in Chemical Engineering, ISSN: 2349-4786(Online), Vol. 5, Issue 3. Pp 8-13.

International Conferences:

1. B. Mallikarjun., Dinesh, P. Parashivamurthy K. I, “Stress Distribution in an Isotropic Infinite Plate with Oblique Holes Under Uniaxial loading and FEM”, Presented in International conference on current trends in Engineering and management, VVCE, Mysore, pp. 132-133, July 12-14, 2012.
2. Mallikarjun. B., Dinesh P., K.I. Parashivamurthy, “Elastic Stresses around Holes in Plates Subjected to Uniform Tensile and Bending Loading using FEA & Experiments”, Presented in International Congress on Computational Mechanics and Simulation (ICCMS-2012), Indian Institute of Technology, Hyderabad, 9th December 2012.
3. Mallikarjun. B., P. Dinesh., K I Parashivamurthy, “Finite Element Analysis of Stresses Around Holes in Plates”, International Conference on Mechanical and Industrial Engineering (ICMIE), ISBN No: 978-93-82208-86-0, Chennai on 14th April-2013.
4. B. Mallikarjun., Dinesh, P. Parashivamurthy K. I, “Study on Stresses around Different Cut out and Mode of Loading in Infinite Plate by using Finite Element Method”, International conference on convergence of Science, Engineering and Management[ICCSEM-2013], Dayananda Sagar College of Engineering, Bangalore, 26 – 27th September-2013.
5. Mallikarjun. B., P. Dinesh., K I Parashivamurthy, “Finite Element Analysis of Notch Subjected to Different Loading System”, International Conference on Metallurgical, Manufacturing and Mechanical Engineering-2013, Goa, 30th April, 2013.
6. Mallikarjun. B., P. Dinesh., K I Parashivamurthy, “Infinite Plate with Different Hole Analysis For In-Plane Load Using Finite Element Method”, Conference on Science, Engineering and Management-[ICSEM’13]’, Perambalur, Tamilnadu, 17th & 18th May 2013.
7. A.N. Vinay, Biradar Mallikarjun, Aswatha, K.N. Seetharamu, “Effect of Bond Layer on Tri- Material Assembly Subjected to uniform Temperature Change”, International Conference on Computer Aided Engineering(CAE 2013), Department of Mechanical Engineering, Indian Institute of Technology(IIT) Madras, India.
8. Mallikarjun Biradar., Dinesh, P. Parashivamurthy K. I, “Infinite Plate with Different Hole Analysis, Engineering and Management [ICSEM-2013]”, Published in the International Journal of Engineering For In-Plane Load Using Finite Element Method”, International Conference on Science Research and Technology.
9. Padmavati, Chavan, Biradar Mallikarjun, Girish K.E, “Analytical Evaluation of Crack Arrest Capability of Bulkhead in Fuselage Structure”, technical paper published in the National Conference “Recent Innovations in Mechanical Engineering”, held at Shridevi Institute of Engineering and Technology, Tumkur, 15th April 2013.
10. Harish k s, Biradar Mallikarjun, “Strength Evaluation in J-Nose Panel of an Aircraft Wing under static

load”, International Journal of Management & Information Technology, Dec 6th 2015.

11. Praveen kumar k, Dr. C.P.S Prakash, Dr. Mallikarjun B, Shantharam A “A study on tensile and tribological properties of aluminum 7075 metal matrix with boron carbide reinforced composite material by using computer interface tensile and wear test”, IEEE-International conference on Innovative mechanism.

Conference Attended

1. Mallikarjun. B., Dinesh P., Parashivamurthy K.I., “Stress Concentration factor around Oblique holes in Infinite Plates by FEA and Experiments,” Presented in Emerging Trends in Mechanical Engineering, Raja Rajeshwari College of Engineering, Bangalore, ISBN: 978-93-5051-654-6, 24th - 25th February 2012, pp. 145-151.
2. B. Mallikarjun., P. Dinesh., K. I. Parashivamurthy., “Finite-Element Analysis of Stress Concentration in Super alloy material by Tensile Loading,” Presented in Nagarjuna College of Engineering and Technology, Bangalore, on Innovations and Emerging Trends in Mechanical Engineering, on 10th May 2012.
3. Biradar Mallikarjun., Dinesh P., Parashivamurthy K.I, Dr. Dash P.K., “Elastic Stress Concentration factor around Notch by FEA & Experiments,” Presented in Nagarjuna College of Engineering and Technology, Bangalore, on Innovations and Emerging Trends in Mechanical Engineering, on 10th May 2012.
4. Biradar Mallikarjun., Dinesh P., Parashivamurthy K.I, “Numerical Analysis (FEM) of Stresses around Holes in Infinite Plates,” Presented in Nagarjuna College of Engineering and Technology, Bangalore, on Innovations and Emerging Trends in Mechanical Engineering, on 10th May 2012.
5. Mallikarjun. B., P. Dinesh., K I Parashivamurthy.,” Stress Distribution Around Cylindrical Hole Subjected to Tensile and Bending Load for Infinite Plate”, National Conference in Advances in Design, Manufacturing and Management- [ADMM-13], R.V. College of engineering, Bangalore on 23rd May-2013.
6. Biradar Mallikarjun., Dinesh P., Parashivamurthy K.I, “ Determination of Stress Concentration for Plates with Different Cut-outs By Finite Element And Analytical Method”, Presented in National Conference ‘ Advances in Design, Manufacturing and Management- [ADMM-13], R V College of Engineering, Bangalore on 23rd May-2013.
7. Biradar Mallikarjun., Dinesh P., Parashivamurthy K.I.” Determination of Stress Concentration for Plates with Different Cut-outs By Finite Element And Analytical Method,” National Conference RTME 13”, held at Vemana Institute of Technology, Bangalore, on 16th August 2013.
8. Amaresh, Mallikarjun. B., “Determination of Stress Concentration for Plate By Finite Element and Analytical Method,” National conference on Advances in Design, Manufacturing and Management[ADMM 2013], R.V. College of Engineering, Bangalore, 23rd May 2013.
9. Amaresh, Biradar Mallikarjun.,” Finite Element Analysis of Infinite Plates for different cutouts,”

National conference on RTME 2013, Vemana Institute of Technology, Bangalore, 16th August 2013.

10. Padamavati Chavan, Mallikarjun Biradar, Girish K.E, “Analytical Evaluation of Crack Arrest Capability of Bulkhead in Fuselage Structure,” National Conference on Recent Innovations in Mechanical Engineering, Shridevi Institute of Engineering and Technology,
11. Harish K S, Biradar Mallikarjun, “Strength Evaluation in J-Nose Panel of an Aircraft Wing under Static Load”, International Journal of Management & Information Technology, Bangalore, Dec 6th 2015. Tumkur, 15th April 2013.

12. Ambarish NA, Mallikarjun Biradar,” A Paper Review on “Plasma Sprayed Coatings on Aluminum and Ni- Based Alloy Composite Coatings to Predict the Behavior of Hot”, Third Third National Conference on Convergence of Science, Technology and Management, NCCSTM-2017, Bangalore, ISBN: 978-93-85682-48-3, 19-05-2017, pp 110.

13 Prathyush B K, Mallikarjun Biradar,”Study on Experimental SEM and Tensile Properties for Aluminum- 6063 with Reinforcement Titanium Carbide Composite Material”, Third Third National Conference on Convergence of Science, Technology and Management, NCCSTM-2017, Bangalore, ISBN: 978-93-85682-48-3, 19-05-2017, pp 111.

14. Jaya Kishore Sunkara^{a*}, Malikarjun Biradar,^b “Mechanical Properties of Titanium and Nickel based Nanocomposite Super alloys: A Review”, National Conference on Processing of Materials- NCOPOM18- NITK, Surathkal-2018.

Seminar Attended

1. “Developments in FEM Applications in Mechanical Engineering”, From 26th to 30th March -2007.
2. “Advances in Manufacturing, Automation and Robotics”, from 27th- 28th August 2010 at Reva Institute of Technology, Bangalore.
3. “Faculty Development Programme on Advanced Material Structures” from 23rd to 27th March 2010 at MSRIT, Bangalore.
4. “Participated in a Mission 10X workshop “, From 18th to 22nd April 2011 at NCET, Bangalore.
5. Workshop on “Advances in Fatigue Fracture” , Department of Mechanical Engineering, R.V, College of Engineering, Bangalore, 18-19 October -2012.
6. Seminar on “Vibrations in Designing of Systems”, Department of Mechanical Engineering, S.J.C. Institute of technology, Chickballapur on 9th November 2012.
7. “NPTEL AWARENESS WORKSHOP”, P.E.S Institute of Technology, Bangalore, 4th January-2013.
8. Workshop on “Composite Materials and Its Applications”, Dr. Ambedkar Institute of Technology, Bangalore. On 24th April -2013.

9. "NANO CHARACTERIZATION" on December 2, 2016 held at CMTI, Tumkur Road, Bangalore, India.

Workshop Attended

- Involved in: A National Level Technical Symposium 2K17", Dept. of Mechanical Engineering, Dayananda Sagar College of Engineering, Bangaluru-78.
- Participated in Faculty Development Program on "Emerging Trends in Mechanical Engineering Science" 18th June 2018 to 22nd June 2018 at Dayananda Sagar College of Engineering, Bangaluru-78.
- Participated in Faculty Development Program on "Application of Machine Learning and Artificial intelligence for Mechanical Engineering Science" 16-20, 2019 at Dayananda Sagar College of Engineering, Bangaluru-78.
- Involved in: The Institute of Foudrymen, one day seminar on" National Workshop on Adavanced Ceramics and Refractory's for Refractories for For Foundary Industry
- Involved in: A National Level Technical Symposium in Association with Technical Instiute for engineers 2019" Dept. of Mechanical Engineering, Dayananda Sagar College of Engineering, Bangaluru-78.

Patents published with All Details

Title of the invention : UTILIZATION OF SOLAR SYSTEM USING IOT OR INDUSTRIAL APPLICATION 4.0
PATENT APPLICATION PUBLICATION
Application No.202141029672 A
INDIA
Date of filing of Application :01/07/2021
Publication Date : 16/07/2021

Research Grants fetched with File No.

--NIL--

Student Project Funds Fetched with Grant No.

, (1) KSCST, Approved Project proposal reference no.: 43S_BE_3200 , 16th March 2020.
Title: Development and Testing Mechanical Properties of CFRP Composite Using 3D Printer. (Approved 6000=00). 2020-2021.

(1) KSCST: Approved Project proposal reference no.: 42S_BE_1545 March 2019-2020.
Design & Development of Kitchen Waste Processor (Approved 10000=00).

Consultancy Amount Fetched with Details

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Awards

Mallikarjun. B., Dinesh P., K.I. Parashivamurthy, “Stresses around Oblique holes in Infinite plates under uniaxial loading”, Accepted for BEST PAPER ON “DESIGN ENGINEERING STREAM” at SJCT, Palai, Kerala.

Academic Activity

- E-Governance Coordinator
- NAAC
- Cultural

To organize min. one invite Lecturer/Memorial Lecturer, for every Academic semester from premier Institutions (NIT, IIT and IISc.), Industry Experts, Aerospace and Automobile field for UG & PG Students.

- Guiding PhD under VTU for 5 students
- Organizing Expert Technical talk to share their experience & knowledge from various Premier Institutions And Research & Development (ADA, DRDO, GTRE, CPRI NAL, IISc.).
- Proctorship and Class teacher activities for assigned under graduate students.

- Fellow of Institution of Engineers (**FIE**)
- Life membership of Indian Society for Technical Education (**LMISTE**)
- Membership The Institute of Indian Foundry men (**IIF**)
- Life Member “International Association of Engineers (**IAENG**)”.

Faculty Development Activity/Workshops

- (2) Invited talk on 'GOOGLE MEET" webinar on One week Faculty Development Programme at Dayananda Sagar University on 8th July 2020.
- (3) Invited as a chair person in International Conference at Dayananda Sagar College of Engineering and Dayananda Sagar University for paper presentation by UG, PG and PhD candidates.
- (4) To organize one week FDP programme on line Webinar.
- (5) To invite expert talk for Elective subjects.
- (6) To involve any assigned work by HOD & Coordinators, related to Academic.

Contact Details

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Bengaluru-560082

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