

FACULTY PROFILE

Name : **Dr. S. G. Saraganachari**



Designation : **Professor**
Department : **Mechanical Engineering**
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Contact details : **Dr. S.G. Saraganachari**
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Vidwan Id : **148632**

Researcher ID (Web of Science) : **AAG-2382-2021**

Google Scholar ID : **3927773353888354718**

Qualification : **Ph.D.**

Professional Experience : **23 Years**

Teaching experience : **23 Years**

Administrative Responsibilities :

1. Chairman, Gymkhana Basaveshwar Engineering College, Bagalkot from 2010 to 2013.
2. Basaveshwar Engineering College Hostels warden from 2001 to 2007.
3. Donor Member of Karnataka Rajya Swadeshi Vijnana Andolana.
4. Member, Board of Examination in Mechanical Engineering Department, Basaveshwar Engineering College, Bagalkot (Autonomous) from 2008 to 2010.
5. Member, Board of Studies in Mechanical Engineering Department, Basaveshwar Engineering College, Bagalkot (Autonomous) from 2015 to till date.
6. Co-ordinator, Board of Examination in Mechanical Engineering Department, Basaveshwar Engineering College, Bagalkot

(Autonomous) from 2015 to 2018.

7. Director, BEC Store from 2009 to till date.

Teaching :

No. of Projects Guided

UG : 75

PG : 12

Research

Interest Area :

1. Synthesis of Mechanism
2. Kinematics of Machine
3. Machine Design

No. of Research Scholars

Pursuing : 3

Journals (with citations) :

1. **S. G. Sarganachari, Sandeep C. Dhaduti, Arun Y. Patil & T. M. Yunus Khan** "PREDICTION OF INJECTION MOLDING PARAMETERS SYMMETRIC SPUR GEAR" Journal of Molecular Modelling (2020) 26:302 **7th Oct 2020 Springer Journal.**
2. **Dr. S. G. Sarganachari, Sandeep C. Dhaduti,** "Review of Composite Asymmetric Spur Gear" **International Journal of Engineering Research** Volume No.4, Issue No.2, pp : 73 - 7501 Feb. 2015
3. **Dr. S. G. Sarganachari, Dr. V. B. Math,** "Optimal Synthesis of Planar Eight-Bar Mechanism for function generation: A variable Topology Approach" **International Review of Applied Engg. Research (IRAER)** Vol. 3. November 1, (2013), pp. 37-44.
4. **S. G. Sarganachari, Dr. V. B. Math, Syed Abbas Ali** "Synthesis of Planar Six-bar mechanism for function generation: A variable topology approach" **International Journal of Applied Engg. Research (IJAER)** Vol. 5. N0.3 (2010), pp. 471-476.
5. **S. G. Sarganachari, Basayya. K. Belleri, Dr. V. B. Math, Syed Abbas Ali,** "Optimal Synthesis of Crank-Rocker mechanism for specified Rocker Amplitude and Time ratio" **International Journal of Applied Engg. Research (IJAER),** Vol 5, no. 12, 2010,pp.2039-2048
6. **S. G. Sarganachari, Dr. V. B. Math, Mehabubsubahani R.A., Basayya K. Belleri, Sanjay S.J.** "Optimal Synthesis of Planar Four-bar Mechanism for Motion generation" **International Journal of Applied Engg. Research (IJAER),** Vol 5, no. 14, 2010. Pp.2411-2424.
7. **S. G. Sarganachari, Dr. V. B. Math, Qadeer Ahmed Khan, Syed Abbas Ali., Basayya K. Belleri.** "Optimal Synthesis of Planar Four-bar Mechanism for Path generation: A variable topology approach" **International Journal of Applied Engg. Research (IJAER),** Vol 5, no. 14, 2010. Pp.2533-2544.
8. **S. G. Sarganachari, Aaqebsohaib and Sagar chahal** "Design and Steady state Thermal Analysis of Disc Brake", International Research Journal of Engineering and Technology (IRJET), Page no:2385-2389, Vol-6, Issue -7 July 2019. e-ISSN 2395-0056 p-ISSN :2395-0072. Impact factor:7.211

Conferences :

1. **S.G.Sarganachari and Basavaraj .Endigeri,** "Assessment of stress reduction Techniques in an uniaxially loaded plate with a hole. International Conference on Mechanical Civil and

Production ICMCIPE-2018, 16th Dec 2018, Bangalore.

2. **S.G.Sarganachari and Basavaraj .Endigeri**, “FEM for Stress Reduction by Optimal Auxiliary Holes in a Uniaxially Loaded Plate with Elliptical hole. International Conference on Automation Science & Engineering (**ICASE-2018**), 15th Dec 2018, Bangalore.
3. **S. G. Sarganachari**, Syed Abbas Ali, V.B. Math, paper titled “Synthesis of Four Bar double Rocker Mechanism for the Prescribed extreme positions” proceedings of **National conference NCETETA-2009** held at Shirdi Sai Engineering College, Anekal Bangalore 29th & 30th April 2009.
4. **S. G. Sarganachari**, Mohammad Kashfuddoja, V.B. Math paper titled “Design and Analysis of Nozzle assembly of a Missile” proceedings of **National conference NCETETA-2009** Shirdi Sai Engineering College, Anekal Bangalore 29th & 30th April 2009.
5. **S. G. Sarganachari**, Prashant Kambali, Dr. V. B. Math, paper titled “Optimization of planar four-bar motion generator using Burmester Curve methodology” proceedings of **International Conference on Advances in Mechanical Engineering (ICAME-2009)** SVNIT, Surat August 3-5, 2009
6. **S. G. Sarganachari**, Sharangouda, V. B. Math, paper titled “Synthesis of slider crank mechanism with optimal transmission Angle” proceedings of **International Conference on Advances in Mechanical Engineering (ICAME-2009)** held at SVNIT, Surat August 3-5, 2009.
7. **S. G. Sarganachari**, Syed Abbas Ali, Dr. V. B. Math, C. M. Veerendrakumar “Synthesis of Adjustable planar four-bar mechanism for function generation” proceedings of **International Conference on Advances in Mechanical Engineering (ICAME-2009)** SVNIT, Surat August 3-5, 2009.
8. **S. G. Sarganachari**, Vinay V. Kuppast, D. G. Mallapur, R. V. Kurahatti, “Feature Extraction From Engineering Two Dimensional Drawings for CAD/CAM Integration”, **Proceedings of national conference (R-TIME 2004)**, Kopergaon.

Events Organized

- :
 1. Short Term training Programme on **Tribology Past, Present and Future** 02-07 April, 2007 (TEQIP Phase I)
 2. Orientation Programme for Technicians of Small Scale Industries on 11th March 2007

**Workshops/ Training :
Programs Attended**

1. **Renewable Energy and its Role in Indian Power Sector** organized by KLE DR. M. S. Sheshgiri College of Engineering and Technology Udyan1bag, Belagavi from 16-28 December 2019.
2. **Current Practices and Critical Issues for OBE in Engineering Education/Institutions** organized by Basaveshwar Engineering College, Bagalkot from 27 Jan-07 Feb, 2020.
3. **Digital Transformation In Teaching Learning Process** TEQUIP Online Certificate IIT Bombay from 06-24 April 2020.
4. **Future of Industrial Automation (FIA-2020)** AICTE-QIP and organized by Department of Electrical and Instrumentation Engineering, SLIET, Longowal, Punjab during from 05-10 October 2020.