

**B. V. V. Sangha's**  
**Basaveshwar Engineering College (Autonomous), Bagalkot**  
**Department of Industrial and Production Engineering**

**RESEARCH CENTRE DETAILS**

**I. About Research Centre:**

- Year of Establishment	: 2008
- Major Research Areas (5 Nos.)	:
1. Manufacturing,	
2. Design	
3. Management,	
4. Industrial Engineering	
5. Material science and metallurgy	
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- No. of research guides enrolled at our research centre	: 06
- No. of internal faculty guiding the candidates	: 05
- Faculty with Ph. D.	: 06
- Our Faculty pursuing Ph. D.	: --
- Total number of registered candidates at the research centre	: 25
- No. of candidates awarded Ph. D. till date	: 13
- No. of candidates pursuing Ph. D.	: 12

## II. Research guides at the research centre

Sl.No.	Name of the Guide	Area of Specialization
1.	Dr. S. T. Dundur	Manufacturing, Design and Metal Cutting
2.	Dr. V. S. Puranik	Energy management, Quantitative Techniques, Industrial Engineering, Lean management and Total Quality management
III. 3.	Dr. C. M. Javalagi	Management, Supply chain and Management
4.	Dr. D. G. Mallapur	Material Science and metallurgy
5.	Dr S.M Pharsiyawar	Management and Manufacturing

#### IV. Research Scholars pursuing Ph. D program

Sl.No.	Name of the Student	Name of the Guide	Year of Registration	Research Topic
1.	G. H. Rathod	Dr. V. S. Puranik	2010	A New Comprehensive Methodology for enabling Environmentally Conscious Design and assessment of sustainability in an Indian Manufacturing Organization.
2.	Rajendra Kadi	Dr. S. T. Dundur	2010	An Investigation on Surface Integrity of Machining austenitic Stainless steel under different cooling conditions.
3.	Taware Shree Dnyanoba	Dr. D. G. Mallapur	2012	Aluminum Die Casting Simulation Modeling for Cost Benefit Analysis.
4.	Neeta S. Mathapati	Dr. D. G. Mallapur	2013	Studies of the Influence of Mn on Mechanical and Tribological Properties of As cast, Cast aged and Forge aged Al-25Mg <sub>2</sub> Si <sub>2</sub> Cu <sub>4</sub> Mn Alloy.
5.	Zaheerabbas B Kandagal	Dr. V. G. Akkimardi	2013	Studies on Mechanical and Tribological properties of Microwave welded Metal Matrix Composites
6.	H. R. Patil	Dr. C. M. Javalagi	2015	Studies on Green Supply Chain Management (GSCM) Issues in Manufacturing Industries of Karnataka.
7.	Mr. A.D.C. Rajasabai	Dr. V. S. Puranik	2016	TQM for Social Welfare: A Comprehensive, Integrated, Holistic Study encompassing Economic Social, Administrative and Cultural Arena in the Indian Context

<b>8.</b>	<b>Mr. Mahesh Latte</b>	<b>Dr. C. M. Javalagi</b>	<b>2017</b>	<b>Analysis of Supply Chain Management in Small Scale Industries</b>
<b>9.</b>	<b>Mr. Warke Shubhada S.</b>	<b>Dr. V. S. Puranik</b>	<b>2017</b>	<b>Modelling and Optimization of Additive Manufacturing Process</b>
<b>10.</b>	<b>Mr. S. S. Davanageri</b>	<b>Dr. S. T. Dundur</b>	<b>2017</b>	<b>Finite Element Analysis of Machining of Work-Material Synthesized Metal Matrix Composites from Microphotographs</b>
<b>11.</b>	<b>Mr. Parashuram Madar</b>	<b>Dr. S. T. Dundur</b>	<b>2017</b>	<b>An Investigation into the Usage of agro based trash as the alternative fuel for all season co-generation of electricity in sugar industry</b>
<b>12.</b>	<b>Harsha Indi</b>	<b>Dr. D. G. Mallapur</b>	<b>2017</b>	<b>Studies on the Tribological Properties of Al-Mg-Cu-Zn-Cr Alloy with T6 heat treatment</b>
<b>13.</b>	<b>Mr. Mallik Bhagawan</b>	<b>Dr. S. T. Dundur</b>	<b>2018</b>	<b>An investigation on the characteristics associated with cryogenic machining of elastomers</b>

V. Ph. D`s awarded from Research Centre

Sl.No.	Name of the Student	Name of the Guide	Title of Thesis	Year of Degree Awarded
1.	<b>Vishaldatt V Kohir</b> 2BA07PMN06 Angadi Institute of Technology and Management, Belgaum	<b>Dr. S.T.</b> <b>Dundur</b>	<b>An investigation of flank wear land inclination in orthogonal machining</b>	<b>2016</b>
2.	<b>Vijaykumar Hiremath</b> 2BA09PMN03 Siddaganga Institute of Technology, Tumkur	<b>Dr. S.T.</b> <b>Dundur</b>	<b>A study on machinability of B4Cp reinforced 6061 aluminum metal matrix composite</b>	<b>2018</b>
3.	<b>Rajendra V Kadi</b> 2BA10PMN02 Tontadarya College of Engineering, Gadag	<b>Dr. S.T.</b> <b>Dundur</b>	<b>Experimental investigation on surface integrity of machining Austenitic stainless steel</b>	<b>2019</b>
4.	<b>Smt. G. S. Yarnal</b>	<b>Dr. V. S.</b> <b>Puranik</b>	<b>Energy Management Studies in Sugar Industry</b>	<b>2009</b>
5.	<b>S. D. Kulkarni</b>	<b>Dr. V. S.</b> <b>Puranik</b>	<b>Energy Management Studies in Sugar Industry</b>	<b>2009</b>
6.	<b>Anand Misrakoti</b>	<b>Dr. V. S.</b> <b>Puranik</b>	<b>Energy Conservation through productivity Improvement by LEAN Manufacturing in Small Scale Industries</b>	<b>2015</b>
7.	<b>V. S. Jorapur</b>	<b>Dr. V. S.</b> <b>Puranik</b>	<b>Analysis of Job Shop Scheduling Problems with Meta-Heuristics-Genetic Algorithms</b>	<b>2017</b>

8.	M. C. Goudar	Dr. V. S. Puranik	A Study on Total Quality Management Tools and Techniques in Hospital Service.	2017
9.	Virupaksha gouda G	Dr. V. S. Puranik	Management of Indian Disinvestment program at State and Central Government	2018
10.	Ningombam Sanjeev Kumar	Dr. V. S. Puranik	Social Entrepreneurship Initiative in Karnataka A Comprehensive study on the Issue, Innovation and Value Creation	2020
11.	Maheshwar 2BA12PMN06	Dr. C. M. Javalagi	Some studies on Enterprise Resource Planning (ERP) implementation in manufacturing and service industries of North-Karnataka	2019
12.	D. G. Sondur	Dr. D. G. Mallapur	Studies on mechanical and tribological properties of as cast, cast-aged and forge -aged Al-14Si-13Mg-5Fe-2.5Cu alloy	2019
13.	M. D. Harlapur	Dr. D. G. Mallapur	Studies on mechanical and tribological properties of as cast, cast-aged and forge-aged Al <sub>25</sub> Mg <sub>2</sub> Si <sub>2</sub> Cu <sub>4</sub> Ni alloy	2019

## VI. Research Projects carried out in the department

Sl.No.	Title	Funding Agency	Amount	Year
1.	Development of Expert System for Energy Management of Small and Medium Scale Industries	AICTE	7.0 Lakhs	2007
2.	Industry Institute Partnership Cell (IIPC)	AICTE	4.5 Lakhs	2008
3.	Modelling and Optimization of Additive Manufacturing Process	TEQIP	34.5 Lakhs	2018
4.	Management Science Laboratory and Advanced Machining Science Laboratory	TEQIP	28.76 lakhs	2012