



DEPARTMENT OF MECHANICAL ENGINEERING

**SECAB INSTITUTE OF ENGINEERING & TECHNOLOGY, VIJAYAPUR-
586109. KARNATAKA. INDIA.**

Research Centre Details

Sl. No	Name of the Research Centre	Year of Establishment
1.	Research Centre for Mechanical Engineering	2016

PhD Registrations

Sl. No	Name of the Research Guide	Name of the Research Scholar	Year of Registration
1.	Dr. Syed Abbas Ali	Mr. Altaf Hussain Bagwan	2016
2.		Mr. Syed Sameer Hussain	2017
3.		Mr. Md. Shakir Attar	2017
4.		Mr. M. R. Manvi	2018
5.	Dr. R. Noor Ahmed	Mr. Asif Iqbal Doddamani	2016

Faculty Research

1. Faculty Research Areas

Sl. No.	Faculty Name	Research Area
1.	Dr. Syed Abbas Ali	Spark Ignition Engine (Modelling, Identification and Control), Synthesis of Mechanisms, Virtual Sensor Methodology for IC Engines, Biodiesel Production using Straight Vegetable Oils (SVO's), Artificial Intelligence based Techniques in IC Engines.
2.	Mr. Sachin Pandey	Wear Analysis
3.	Mr. Asif Iqbal Doddamani	Composite Materials
4.	Mr. Dilip Sutravey	Alternative Fuels for IC Engines
5.	Mr. Altaf Hussain Bagwan	Composite Materials, Performance Analysis of IC Engines using various biodiesel
6.	Mr. B. A. Badiger	Composite Materials
7.	Mr. Shashir Kengnal	Composite Materials, Polymer Science
8.	Mr. Shashikant Nimbalkar	MR Fluids, Composite Material
9.	Mr. Sunil Thaned	IC Engine
10.	Mr. Muttappa Domnal	Composite Materials
11.	Mr. Syed Sameer Hussain	Analysis of IC Engines using nonmaterial based biodiesel, Composite Materials
12.	Mr. Md. Rafeeq Manvi	FE Analysis, Artificial Intelligence based Techniques in IC Engines.

2. Ph. D. Registrations

Sl. No.	Faculty Name	Title of the Research Work	Research Centre	Year of Registration
1.	Mr. Sachin Pandey	Wear Analysis	BLDEA's Dr. PG Halakatti College of Engineering & Technology, Vijaypur	2013-14
2.	Mr. Altaf Hussain Bagwan	Performance Evaluation of IC Engine Using Biodiesel	SECAB Institute of Engineering & Technology, Vijaypur	2016-17
3.	Mr. Asif Doddamani	Probing the Synergism of filters on Structural, Mechanical & Tribological Properties of Al-6063	SECAB Institute of Engineering & Technology, Vijaypur	2016-17
4.	Mr. Syed Sameer Hussain	Investigation of Performance and Emission Characteristics of CI Engine Fueled with Nanomaterial based Biodiesel	SECAB Institute of Engineering & Technology, Vijaypur	2017-18
5.	Mr. Md. Shakir Attar	A Development of Virtual Sensors for Predicting IC Engine Parameters Fuelled with Biodiesels	SECAB Institute of Engineering & Technology, Vijaypur	2017-18
6.	Mr. Sunil Thaned	Internal Combustion Engines	Gogte Institute of Technology, Belagavi	2017-18

3. Publications

Sl. No.	Author's Name	Paper Title	Journal Name with ISSN	Year
1.	DilipSutraway, ShashikantNimbalkar, Syed Abbas Ali, Altaf Hussain Bagwan and ManjunathSatpute	To Investigate the Performance and Emission Characteristics of CI Engine Using Mustard Oil Biodiesel as Fuel	Journal of Emerging Technologies and Innovative Research , Vol. 4, No. 9, pp. 2039–2048, 2017. ISSN 2349-5162.	2017
2.	Ravitej P, Ramesh S, Syed Sameer , Vedavatibanda, Veerachari M	Bending Stresses and Wear Reduction in an Involute Spur Gear	Institute for Exploring Advances in Engineering	2018
3.	Altaf Hussain Bagawan, Syed Abbas Ali, DilipSutraway, Mohammad Shakir M Attar, Syed Sameer Hussain	Performance Analysis of CI Engine using WCO as Biodiesel	Int. Journal of Current Engineering And Scientific Research (IJCESR) , Vol. 1, No. 11, pp. 1-5, 2017. ISSN 2393-8374.	2017

4.	Ajitnath P, Syed Abbas Ali, Altaf Hussain Bagawan, Mohammad Shakir M Attar	Experimental investigation of tensile properties of bamboo reinforced epoxy composites	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) , Vol. 6, No. 15, 2017. pp. 179-188.	2017
5.	ZyurRahaman, Syed Abbas Ali, Asif Iqbal, Syed Sameer Hussain, MahammadrafeeqManvi	Experimental Investigation of Bending Properties of Carbon Fiber Reinforced Epoxy Composites	International Journal of Mechanical And Production Engineering , ISSN: 2320-2092, Vol. 5, No. 11, 2017. pp. 1-5.	2017
6.	Syed Sameer Hussain, Syed Abbas Ali, Sunil Thaned, Altaf Hussain Bagawan	Influence of Injection Pressure on The Performance of CI Engine Using Waste Cooking Oil as a Fuel	International Journal of Mechanical And Production Engineering , ISSN: 2320-2092, Vol. 5, No. 11, 2017. pp. 11-14.	2017
7.	Syed Sameer Hussain, MuttappaDomanal, Mohammad RagfeeqManvi and Sunil Thaned	Numerical Study on Static Behavior of Fiber Reinforced Composite Panels	International Journal of Mechanical And Production Engineering , ISSN: 2320-2092, Vol. 5, No. 11, 2017. pp. 11-14.	2017

8.	Shashir S.K., Apsarraj A. D., Shashidhar A. L & Basvaroodh A. B.	Experimental Investigation of Mechanical Properties of EGG Shell Powder Reinforced With EPOXY	Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 4 (07), 2017	2017
9.	Shashidhar A. L, Basvaroodh A. B, Shashir S.K. and Apsarraj A. D	Design, development and testing of model wind turbine blades using additive manufacturing process	Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 4 (06), 2017	2017
10.	Guru Bhimraya Vaggoli, Syed Sameer Hussain, Dilip Sutraway and Sunil Thaned	Numerical simulation of heat transfer from multiple row arrays of low aspect ratio pin fins	International Journal of latest Technology in Engineering, Management and Applied Science (IJCTEMAS), 2018	2017
11.	Abdul Nazeer, Syed Kashif Hussain and Asif Iqbal Doddamani	Parametric Studies and Numerical Analysis of Low Velocity Impact on Smart Hybrid Composite Laminates	American Journal of Materials Synthesis and Processing, Vol. 2(03), pp. 41-50, 2017	2017
12.	Syed Abbas Ali & Samir Saraswati	Methods to Reconstruct Cylinder Pressure using Crankshaft Speed Fluctuation	Inderscience Publication	Communicated
13.	Syed Abbas Ali & Ananad S. Reddy	Design & Development of low friction more efficient magnetically levitated wind turbines	Int. J. of Sustainable Design (IJSDES), Inderscience Publications	Acceptance (Minor Revision Submitted)

16.	ZyurRahaman, Syed Abbas Ali, Asif Iqbal, Syed Sameer Hussain, MahammadrafeeqManvi,	Experimental Investigation of Bending Properties of Carbon Fiber Reinforced Epoxy Composites	International Multidisciplinary Conference on Emerging Trends in Engineering, Science and Technology (ImcETEST-2017), Rungta College of Engineering and Technology, Bhillai-495224, CHATTISGARH, India, December 23-24, 2017.
17.	Syed Sameer Hussain, Syed Abbas Ali, Sunil Thaned, Altaf Hussain Bagawan	Influence of Injection Pressure on The Performance of CI Engine Using Waste Cooking Oil as a Fuel	International Multidisciplinary Conference on Emerging Trends in Engineering, Science and Technology (ImcETEST-2017), Rungta College of Engineering and Technology, Bhillai-495224, CHATTISGARH, India, December 23-24, 2017.
18.	Syed Sameer Hussain, MuttappaDomanal, Mohammad RagfeeqManvi and Sunil Thaned	Numerical Study on Static Behavior of Fiber Reinforced Composite Panels	International Multidisciplinary Conference on Emerging Trends in Engineering, Science and Technology (ImcETEST-2017), Rungta College of Engineering and Technology, Bhillai-495224, CHATTISGARH, India, December 23-24, 2017.
19.	Ravitej P, Ramesh S, Syed Sameer, Vedavatibanda, Veerachari M	Bending Stresses and Wear Reduction in an Involute Spur Gear	International Conference on Emerging Trends in Science and Technologies for Engineering Systems (ICETSTES-2018) organized by SJGIT, Chikkaballapur, Karnataka, INDIA.

20.	Ajitnath P, Syed Abbas Ali, Altaf Hussain Bagawan, Mohammad Shakir M Attar	Experimental investigation of tensile properties of bamboo reinforced epoxy composites	A Two Day National Conference on Recent Advancements in Mechanical Engineering and Allied Fields-2017(RAMAEF-2017), Sir M. Visvesvaraya Institute of Technology, Bengaluru-562157, KARNATAKA, ndia, November 2-3, 2017.
-----	--	--	---