



SECAB INSTITUTE OF ENGINEERING & TECHNOLOGY, VIJAYAPUR

DEPARTMENT OF MECHANICAL ENGINEERING

RESEARCH GUIDE DETILS

ANNEXURE-IV

Name of the College: SECAB INSTITUTE OF ENGINEERING AND TECHNOLOGY, VIJAYAPUR

SI NO	NAME	DEPT/ RESEARC H CENTER	VTU		OTHER UNIVERSITY		REGISTERED	AWARDED	SIGNATURE OF HOD
			NO OF CANDIDATE REGISTERED	NO OF PHD AWARDED	NO OF CANDIDATE REGISTERED	NO OF PHD AWARDED			
1.	Dr. Syed Abbas Ali	Mechanical Engg	03	0	0	0	03	0	



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ANNEXURE-IV

CONSOLIDATED STATEMENT SHOWING THE DETAILS OF NO OF BOOKS AND RESEARCH PAPERS PUBLICATION, NO OF CONFERENCES/ SEMINARS ATTENDED/CONDUCTED ETC
FROM 01-04-2020 to 31-03-2021

SI NO	NO OF BOOKS PUBLISHED	NO OF RESEARCH PAPERS PUBLISHED	NO OF CONFERENCES /SYMPOSIUM CONDUCTED BY COLLEGE	NO OF CONFERENCES/SYMPOSIUM CONDUCTED BY TEACHERS		NO OF INVITED LECTURE DELIVERED BY THE TEACHERS	REMARKS
				Foreign	National		
1	0	06	00	0	00	01	



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ANNEXURE-XII

REGION & COLLEGE CODE:2SA

BOOKS PUBLISHED BY FACULTY (FROM 01-04-2019 TO 31-03-2020)

SI NO	TITLE	AUTHORS	YEAR OF PUBLICATIONS	NAME OF PUBLISHERS	REMARKS
1.			-NIL-		



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ANNEXURE-XIII

REGION & COLLEGE CODE:2SA

RESEARCH PAPERS PUBLISHED BY FACULTY IN JOURNALS (FROM 01-04-2020 TO 31-03-2021)

SI NO	NAME OF TEACHER	DEPARTMENT	TITLE OF PAPERS	PUBLICATION CITATION	NATIONAL /INTERNATIONAL JOURNAL	REMARKS
1.	Syed Abbas Ali	Mechanical Engineering	Assessment of performance and exhaust emission quality of different compression ratio engine using two biodiesel mixture: Artificial neural network approach.	Alexandria Engineering Journal, Vol. 60, pp. 837-844, 2021. (SCOPUS, SCI Journal).	Inernational	
2.	Syed Abbas Ali	Mechanical Engineering	Estimation of Gasoline Engine Emissions from Cylinder Pressure Parameters: Artificial Neural Network Approach	SAE Technical Paper, 2021-01-1014, 2021 (SCOPUS, SAE Journal).	Inernational	
3.	Syed Abbas Ali	Mechanical Engineering	Control Oriented Observer for Cylinder Pressure Estimation of SI Engine using Frequency Response Function	International Journal of Modelling, Identification and Control, Inderscience Publisher (accepted), 2021. (SCOPUS, ESCI Journal)	Inernational	
4.	Syed Abbas Ali, Syed Sameer	Mechanical Engineering	The effect of nanoparticles dispersed in waste cooking oil	Materials Today: Proceedings, Elsevir	International	



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	Hussain, Altaf Hussain Bagwan		(WCO) biodiesel on thermal performance characteristics of VCR engine	Publisher, Vol. 43(2), pp. 888-891, 2021. (SCOPUS)		
5.	Syed Abbas Ali, Syed Sameer Hussain, Altaf Hussain Bagwan	Mechanical Engineering	Neural Network Approach of Estimating CI Engine Performance and Emission Parameters from WCO based Biodiesel	Materials Today: Proceedings, Elsevier Publisher, Vol. 43(2), pp.935-940, 2021. (SCOPUS)	International	
6.	Syed Sameer Hussain	Mechanical Engineering	Effect of Zinc Oxide Nanoparticle Fuel Additive on the Performance and Emission Characteristics of a CI Engine Fuelled with Cotton Seed Biodiesel Blends	Materials Today: Proceedings, Elsevier Publisher, Vol. 43(2), pp. 888-891, 2021. (SCOPUS)	International	
7.	Syed Sameer Hussain, Altaf Hussain Bagwan, Sunil Thaned	Mechanical Engineering	Study on the Effect of Cerium Zirconium Oxide and Calcium Oxide Nanomaterials in Diesel	International Research Journal of Modernization in Engineering Technology and Science	Others	
8.	Syed Abbas Ali	Mechanical Engineering	A Review: Tribological Study of Advanced Coating on Cast Iron	National Online Conference on “Research and Developments in Material Processing, Modelling and Characterization 2020 (RDMPMC-2020)” 26-27, August 2020. Organized by Department of Metallurgical and Materials Engineering National Institute of Technology Jamshedpur		



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CONFERENCES, SYMPOSIA, SEMINARS, WORKSHOPS ETC.CONDUCTED IN COLLEGE

(FROM 01-04-2020 TO 31-03-2021)

SI NO	NAME OF THE CONFERENCE ETC	DATE & MONTH	SOURCE OF FINANCIAL SUPPORT	SPONSORED	NO OF PARTICIPANTS	REMARKS
1.	Exhaust Emissions and Control Technologies	December 19, 2020	Self	Nil	40	
2.	Application of 3D Printing In Medical Field	June 26, 2020	Self	Nil	30	
3.	Human Vibrations: Computational and Experimental Techniques	July 02, 2020	Self	Nil	40	



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CONFERENCES, SYMPOSIA, SEMINARS, WORKSHOPS ETC. ATTENDED BY TEACHERS

(FROM 01-04-2020 TO 31-03-2021)

SI NO	NAME OF TEACHER	NAME OF CONFERENCE ETC	PLACE	DATE	INVITED / DEPUTED	NO OF PAPERS PRESENTED	REMARKS
1.	Dr. Syed Abbas Ali	National Online Conference on “Research and Developments in Material Processing, Modelling and Characterization 2020 (RDMPMC-2020)” 26-27, August 2020.	Department of Metallurgical and Materials Engineering National Institute of Technology Jamshedpur	26-27, August 2020.	DEPUTED	01 (A Review: Tribological Study of Advanced Coating on Cast Iron)	



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INVITED SPECIAL LECTURES DELIVERED IN THE COLLEGE BY THE SCHOLARS

(FROM 01-04-2020 TO 31-03-2021)

SI NO	NAME OF THE SCHOLAR WITH ADDRESS	TITLE OF LECTURE DELIVERED	AREA OF SPECIALIZATION	DATE OF LECTURE
1.	Mr. Manikandan Technical Specialist, After Treatment Integration Engineer	Exhaust Emissions and Control Technologies	Emissions and Control	December 19, 2020
2.	Dr Ashish Das National Institute of Technology, Jamshedpur	Application of 3D Printing In Medical Field	3D Printing	June 26, 2020
3.	Dr. Prashanth A S	Human Vibrations: Computational and Experimental Techniques	Vibrations	July 02, 2020
4.	Mr. Ibrahim Alumni 2017-18 Batch	How to crack GATE Exam and its benefits	-NA-	December 09, 2020
5.	Mr. Saif Hesham Supplier Quality Engineer TATA Aerospace and Defence , Hyderabad	How to Decide Carrier Domain in Mechanical Engineering”	Aerospace	December 15, 2020



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LIST OF MAJOR AND MINOR RESEARCH PROJECTS/RESEARCH WORK/ AIDED RESEARCH

PROJECT UNDER NATIONAL/STATE/PRIVATE FUNDING AGENCIES

(INCLUDING STATE GOVT.) (FROM 01-04-2020 TO 31-03-2021)

SI NO	NAME OF TEACHER/PRINCIPLE INVESTIGATOR	PROJECT TITLE	YEAR OF SANCTION	FUNDING AGENCY	TOTAL AMOUNT	AMOUNT UTILIZED DURING CURRENT YEAR	REMARKS
1.	Dr. Syed Abbas Ali	Emission prediction of diesel engine fuelled with nanomaterial based biodiesel using artificial neural network	2019-2020	VTU-TEQIP	2 Lakhs	1 Lakh	Completed



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ANNEXURE-XXI

STATISTICS OF THE PG RESULTS

FINAL DEGREE RESULTS STATISTICS FOR BOYS AND GIRLS												
SL. NO.	COURSE NAME	NUMBER APPEARED		NUMBER PASSED								REMARKS
		TOTAL MEN	TOTAL WOMEN	TOTAL MEN				TOTAL WOMEN				
				FCD	FC	SC	TOTAL	FCD	FC	SC	TOTAL	
1.	M. Tech. (Machine Design)	05	00	05	00	00	05	00	00	00	00	



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ANNEXURE-XXII

REGISTRATION FOR THE RESEARCH PHORGRAMMES

NIL IN 2020-2021



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ANNEXURE-XXIII

AWARD OF PH. D

NIL IN 2020-2021