AISSMS
COLLEGE OF ENGINEERING
ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade

Department of Mechanical Engineering

Faculty Profile

Prof. (Dr) M M Sayyad
PhD (Mechanical- Design Engineering)
Assistant Professor
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https://www.researchgate.net/profile/Mannan_Sayyad

Research Areas / Areas of Interest

Composite Materials, Fracture Mechanics, Wave Mechanics

Personal Details

Date of Birth :	11 / 01 / 1981	**Domicile:**	Maharashtra
Gender :	Male	**Blood Group:**	B+ve
Contact Details:	B102, Unity Park oociety, S.No. 43, Kondhwa (Bk), Pune – 411048		

Academic Background

S. N0.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Mechanical Engineering	IIT Kanpur	--	May 2018
2	M.Tech	Mechanical – Design Engg.	IIT Kanpur	-	May 2006
3	B.E.	Mechanical Engineering	Pune	Ist	May 2003

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	3	0
2	Research	00	00
3	Industry	5	0
4.	Others	--	--
Total		**8**	**0**

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Design of Machine Elements – I	UG	TE (Mechanical)	01
2	Strength of Materials	UG	SE (Mechanical)	01
3	Strength of Materials	UG	SE (Mechanical S/W)	01
4	Analysis and Synthesis of Mechanisms	PG	SYME (Mechanical)	01
5	Finite Element Method	PG	SYMT (Mechanical –	01

			Design)	
6	Product Design and Engineering	UG	TYBT(Mechanical)	01
7.	Mechanical System Design	UG	BE (Mechanical)	02
8.	Industrial Fluid Power	UG	BE (Mechanical)	01
9.	Engineering Mechanics	UG	FE	01
10.	Theory of Machines	UG	SE (Mechanical S/W)	01

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	00	04	00	03	00
Conferences	00	05	00	05	--

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1.	Measurement of microfibril angles in bamboo using Mueller matrix imaging	Sayyad Mannan, Mohammad Zaffar, Asima Pradhan, Sumit Basu	2016	Applied Optics	ISSN: 1559-128X (print), 2155-3165 (online)	Optical Society of America
2.	Correlations between axial stiffness and microstructure of a species of bamboo	Sayyad Mannan, J. Paul Knox and Sumit Basu	2017	Royal Society Open Science	ISSN:2054-5703	The Royal Society
3.	Stiffness and toughness gradation of bamboo from a damage tolerance perspective	Sayyad Mannan, Venkitanarayanan Parameshwaran and Sumit Basu	2018	International Journal of Solids and Structures	ISSN: 0020-7683	Elsevier
4.	Predicting T ensile	Mannan Sayyad	2020	Advanced Materials	ISSN:	International Association

	Behaviour of Bulk Bamboo using Weibull Statistics for Progressive Failure			Letters	0976-3961	of Advanced Materials (IAAM)
5.	Flaw resistance and mode−I fracture energy redistribution in bamboo- a Correlation	Mannan Sayyad	2020	Advanced Materials Letters	ISSN: 0976-3961	International Association of Advanced Materials (IAAM)

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1.	Structure, stiffness and fracture toughness of bamboo	Mannan Sayyad, Sumit Basu	2016	16th International Conference on New Trends in Fatigue and Fracture Dubrovnik, Croatia	-	University of Zagreb Faculty of Mechanical Engineering and Naval Architecture
2.	Correlations between stiffness and microstructure of a species of bamboo	Mannan Sayyad, Sumit Basu	2016	Sixth International Congress On Computational Mechanics And Simulation	-	IIT Bombay
3.	Structure, Stiffness and Fracture Toughness of a Species of Bamboo	Mannan Sayyad, P Venkitanarayanan, Sumit Basu	2017	Proceedings of 3rd Indian Conference on Applied Mechanics-2017 (INCAM-2017)	-	MNNIT Allahabad
4.	Multiscale modelling of naturally	Mannan Sayyad, Sumit Basu	2015	Proceedings of the 60th Congress of	-	IIT Kharagpur

	functional gradient material-bamboo			the Indian Society of Theoretical and Applied Mechanics		
5.	Analysis of laser generated lamb waves using wavelet transforms	S Mannan, T Pramila, V Raghuram, NN Kishore	2006	Proceeding of ASNT Fall Conference, Houston, Texas USA	-	American Society for Nondestructive Testing

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	**-**	01	08

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
-	-	-	-

Patents / IPR Filed / Granted

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details
1	-	-	-	-	-

Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
	-	-	-

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount
1.	-	-	-	-

Details of Worshop / STTP / FDP / Seminar / Conferences Organized

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
01	Advances in Measurement and Analysis of Vibration and Noise	Works hop	2 days	National	SPPU

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1	ARAI Pune	Evaluation of a Continuum Damage Mechanics Material Model of a Glass Fiber-reinforced Plastic	National	01-08-2019 to 31-07-2020

Details of Worshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Use of Mathematics in Inductry	Work shop	January 3-5, 2019	Vishwakarma Institute of Information technology, Pune	SPPU

2.	Recent Trends in Solar Thermal Systems and its Scope in India	Semi nar	February 21-22, 2019	AISSMS College of Engg, Pune	SPPU
3.	NDT and its applications in Aerospase	Work shop	February 25, 2019	AISSMS College of Engg, Pune	ASM
4.	Problem based learning	STTP	21-30 May 2019	AISSMS Instt. Of Information Technology, Pune	AICTE
5.	Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment	FDP	10-15 June 2019	AISSMS College of Engg, Pune	ISTE

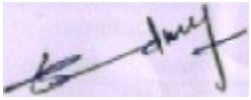
Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1.	**Co-ordinator of National Level Workshop**

Awards Received

S. No.	Awards
1.	**Travel award from Department of Biotechnology (DBTI**

Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.



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