

## A) Summary of Workshop/Seminar/Conference/Training programme Organized

Sr. No.	Year	Date(s)	Title of the Activity	Duration (days)	Name of the Coordinator(s)
1	2019	12 <sup>th</sup> June 2019	NDF Scheme Ph.D. Interview Mechanical Engg. WCE Sangli.	1	Dr. K. H. Inamdar Dr. S. U. Sapkal
2		8 <sup>th</sup> – 12 <sup>th</sup> July 2019	One Week Workshop on “Modelling and Simulation of Structural and Fluid Flow Problems” organized by Dept. of Mechanical Engg., WCE Sangli and Jabalpur Engineering College	5	Prof. Dr. B. S. Gawali, Dr. A. M. Gadade
3		5 <sup>th</sup> – 6 <sup>th</sup> October 2019	Two days’ workshop on “MATLAB” by TECHNEX, I.I.T. Varanasi	2	Prof. Pravin A. Mane
4		12 <sup>th</sup> - 13 <sup>th</sup> October 2019	“VERTEX” organized by Dept. of Mechanical Engg., WCE Sangli	2	Prof. Pravin A. Mane
5		8 <sup>th</sup> – 9 <sup>th</sup> November 2019	Two days’ workshop on “Finite Element Analysis Theory for Vibration Analysis and Simulation”	2	Prof. Amar Paranjpe
6		16 <sup>th</sup> November 2019	One day Workshop on “Augmented Reality: An Industry 4.0 Initiative”	1	Prof. V. V. Dhende, Prof. S. M. Ranade
7	2020	21 <sup>st</sup> January 2020	BoS (Syllabus) Meeting Mechanical Department at WCE Sangli. Organized	1	Prof. Dr. S. V. Gaikwad & All Mech Faculty
8		Between 1 <sup>st</sup> to 27 <sup>th</sup> February 2020	Workshop on “Computational Fluid dynamics” organized by Dept. of Mechanical Engg., WCE Sangli	5	Prof. Dr. B. S. Gawali, Dr. N. D. Pawar
9		2 <sup>nd</sup> – 6 <sup>th</sup> March 2020	Organised in plant Industrial training on Power Plant, by Dept. of Mechanical Engg., WCE Sangli	5	Prof. S. D. Jagtap
10		13 <sup>th</sup> February – 7 <sup>th</sup> March, 2020	Organized workshop on “Finite Element Analysis” at Dept. of Mechanical Engineering, WCE, Sangli	23	Dr. M. M. Khot, Dr. N. D. Pawar

B) Summary of Workshop/Seminar/Conference/Trainingprogramme/Short term course Attended

Sr. No	Date(s)	Duration (days)	Type of Activity	Name of the Faculty/Staff	Title of the Activity	Organized by
1	15 <sup>th</sup> – 16 <sup>th</sup> March 2019	2	National Conference	Prof. Rahul Chanmanwar	Equity Achievements and Challenges in India	COEP, Pune
2	10 <sup>th</sup> – 14 <sup>th</sup> June 2019	5	STTP	Dr. A. M. Gadade	Finite element method and Computational Structural dynamics	IIT Roorkee (Uttarakhand)
3	30 <sup>th</sup> June – 6 <sup>th</sup> July 2019	7	Student Induction Program FDP	Prof. Rahul Chanmanwar	North West Zone	IIT Mandi (HP)
4	3 <sup>rd</sup> – 5 <sup>th</sup> July 2019	3	Twinning Activity	Dr. K. H. Inamdar & Prof. S. M. Ranade	Twinning Activity	Jabalpur Engg. College, Jabalpur
5	8 <sup>th</sup> – 12 <sup>th</sup> July 2019	5	STTP	Prof. S.V.Gaikwad	Conceptualization through additive /subtractive mfg. method	IIT Roorkee (Uttarakhand)
6	8 <sup>th</sup> – 12 <sup>th</sup> July 2019	5	STTP	Prof. J. M. Dabir	Modelling and Simulation of structural and Fluid flow Problems	Dept. of Mechanical Engg., WCE Sangli, In association with Jabalpur Engg. College, Jabalpur
7	8 <sup>th</sup> – 12 <sup>th</sup> July 2019	5	STTP	Prof. P. A. Mane	Modelling and Simulation of structural and Fluid flow Problems	Dept. of Mechanical Engg., WCE Sangli, In association with Jabalpur Engg. College, Jabalpur
8	22 <sup>nd</sup> – 26 <sup>th</sup> July 2019	5	Workshop	Prof. J. M. Dabir	Advances and opportunities in Machine learning	Dept. of Mechanical Engg., WCE Sangli, In association with Jabalpur Engg. College, Jabalpur
9	25 <sup>th</sup> – 30 <sup>th</sup> July 2019	5	ISHRAE Presentation	Prof. Dr. B. S. Gawali	ISHRAE Presentation for Research Funding	Novotel Hotel, New Delhi
10	6 <sup>th</sup> September 2019	1	Workshop	Prof. Dr. B. S. Gawali	Attended: Expert Workshop	Shivaji University Kolhapur
11	2 <sup>nd</sup> October	1	Workshop	Prof S. M. Ranade	Students Solar Ambassador	IIT Mumbai

	2019				Workshop	
12	15 <sup>th</sup> October 2019	1	Seminar	Teaching & Non- Teaching staff, Mechanical Engg. Dept.	Dr. A. P. J. Abdul Kalamvachan Prerna Divas	Collector Office, Sangli
13	19 <sup>th</sup> – 23 <sup>rd</sup> November 2019	5	Training & Learning (ATAL) Academy Programme	Ms. Shivadas Rutuja K., Dr. Sapkal S. U.	AICTE's "AI and Machine Learning for Real Time Application"	NIT Warangal
14	2 <sup>nd</sup> – 6 <sup>th</sup> December 2019	5	Training Programme	Mr. Yogesh D. Honkalas, Mr. Sanjiv Nitwe	Work Ethics Motivational Climate and Attitude development	NITTTR Bhopal (MP)
15	30 <sup>th</sup> Decem ber 2019 – 3 <sup>rd</sup> January 2020	5	STTP	Dr. M. M. Khot	Mathematical Modelling and Numerical Techniques, Optimisation Techniques and Awareness in Research	Ashokrao Mane Group of Institutions, Vadgaon, Kolhapur
16	9 <sup>th</sup> – 11 <sup>th</sup> January 2020	3	Workshop	Prof. Prabhakar Maskar	Exam Reforms	KLE Technological University, Hubli
17	18 <sup>th</sup> January, 2020	1	workshop	Prof. Dr. B. S. Gawali	Research Methodology	Shivaji University, Kolhapur
18	22 <sup>nd</sup> January 2020	1	Workshop	Prof. Dr. B. S. Gawali	Refrigeration Conferen ce 2019-20 (REFCON) Refrigerati on and Cold Chain Solutions towards Sustainability	ISHRAE Pune and ISHRAE Kolhapur - Sangli Sub Chapter at Sayaji Hotel, Kolhapur
19			MHRD'S GoI Innovation Cell	Prof S. M. Ranade	Contribution: in Institutions Innovation Council activities.	WCE Sangli
20	22 <sup>nd</sup> -25 <sup>th</sup> January, 2020	4	International Exhibition And Seminar	Mr. R. M. Chanmanwar and Dr. Sapkal S. U.	IMTEX – 20 and TOOLTECH 2020	BIEC Bangalore
21	February 14 - 16, 2020	3	Workshop	B. N. Naik	Hands on Experiments on Wind Tunnel Testing and Non Destructive Testing Methods	ADCET Ashta
22	February 28 – March 1, 2020.	3	Workshop	Dr. K. H. Inamdar & Dr. S. U Sapkal	E-Fests Asia Pacific	Marwadi University Rajkot

23	2 <sup>nd</sup> – 6 <sup>th</sup> March, 2020	5	Industrial Training	Prof. S. D. Jagtap , Mr. P. A. Mane, Mr. R. M. Chanmanwar, Dr. N. D. Pawar, Mr.GirishUn dale, Mr. B. N. Naik, Dr. S. U Sapkal	Power Plant Familiarization	Adani Electricity Mumbai Limited in association with Walchand College of Engineering, Sangli
24	21 Jan 2020	1	BOS Meeting	BOS Member and departmental faculty	BOS Meeting	Walchand College of Engineering, Sangli
25	28 <sup>th</sup> – 31 <sup>st</sup> December 2019	4	conference	Prof S. M. Ranade	Attended and Participated 25 <sup>th</sup> national and 3 <sup>rd</sup> international heat and mass transfer Conference organized by ISHMT and ASTFE	IIT Roorkee
26	12 <sup>th</sup> – 14 <sup>th</sup> December 2019	3	International Conference	Prof. Rahul Chanmanwar	Attended and presented paper I ninternational conference on “Precision, Meo. Micro and Nano Engineering” at IIT Indore	IIT Indore
27	12 <sup>th</sup> December 2019	1	Ph.D Viva Voce Examination	Dr. S. U. Sapkal	Attended Ph.D Viva Voce Examination of Mrs. Laxmi Bewoor as External Supervisor (co-guide) at K. L. University	K. L. University

C) Summary of Guest/Expert lectures arranged/hosted

Sr. No.	Date(s)	Topic of the Guest Lecture/Expert Talk	Name of the Guest/Expert Faculty	Name of the Organization Guest/Expert	Name of the Coordinator(s)
1	7 <sup>th</sup> April 2019	Special Purpose Machines FEM Project Execution, N.P.P. in India	Mr. Manmohan V. Soman	Associate Vice President Tata Consulting Engineer, TCE Mumbai	Prof. P. A. Mane
2	5 <sup>th</sup> September 2019	Computer applications simulations – Metal forming processes” Elective Subject AMT at WCE Sangli. Mech Dept.	Mr. Kiran Nargatti		Prof. J. M. Dabir
3	4 <sup>th</sup> September 2019	Method Study in Industrial Engineering	Dr. S. R. Kulkarni		Prof. J. M. Dabir
4	26 <sup>th</sup> September 2019	Expert lecture- Energy Audit	Dr. Sanjay Khot	Principal, SIT, Yadrav	Prof. S. M. Ranade
5	21 <sup>st</sup> September 2019	Start-up-Talk practical learning experience of the life cycle of any start-up from ideation to success	Dr. Vivek Sabnis	Start-up cell Consultant at RIT and Ex-director program management and operations, Qualcomm	Prof. S. M. Ranade
6	10 <sup>th</sup> October 2019	Start-up-Talk	Dr. Shantanu Patil	Head of innovation centre SRM institute of science and technology and orthopaedic surgeon SRM medical college and hospital and research centre, chennai	Prof. S. M. Ranade
7	27 <sup>th</sup> January 2020	Expert lecture- Design of air-conditioning system for aircraft	Dr. Paresh Gupta	AURDC, Chief manager, HAL	Prof. S. M. Ranade
8	29 <sup>th</sup> January 2020	Expert lecture- Industry oriented research	Dr. S.V. Joshi	Ex-Principal, PVPIT	Prof. S. M. Ranade, Prof. R.K. Kulkarni

D) Summary of the Lectures delivered as a Resource Person

Sr. No.	Date(s)	Name of the Faculty	Topic of the Lecture Delivered	Details of the Organization
1	15 <sup>th</sup> October 2019	Prof. A. B. Admuthe	Recent trends in Metallurgy	SIT, Yadrav
2	15 <sup>th</sup> October 2019	Prof. A. U. Paranjpe	Recent trends in Automobile Engineering	SIT, Yadrav
3	18 <sup>th</sup> September 2019	Prof. S. M. Ranade	Refrigeration	SGGI, Atigre
4	9 <sup>th</sup> – 13 <sup>th</sup> December 2019	Prof. S. U. Sapkal	Optimization Methods for Manufacturing Scheduling	AICTE & TEQIP-III sponsored one week STTP on “Mathematical Modelling and Numerical Techniques”, organized by Dr. BATU Lonere at Ashokrao Mane Group of Institutions, Vadgaon, Kolhapur
5	1 <sup>st</sup> January 2020	Dr.M.M. Khot	Optimisation Techniques and Awareness in Research	AICTE & TEQIP-III sponsored one week STTP on “Mathematical Modelling and Numerical Techniques”, organized by Dr. BATU Lonere at Ashokrao Mane Group of Institutions, Vadgaon, Kolhapur

E) Summary of Visit to the Mechanical Engineering Dept.by Eminent Persons

Sr. No.	Date(s)	Name & Designation of the Eminent Person	Purpose of Visit	Name of the Organization
1	3 <sup>rd</sup> May 2019	Mr. R. D. Jadhav S. S. Industry Kupwad MIDC SANGLI	Visit to learning factory, WCE Sangli	S. S. Industry Kupwad MIDC SANGLI
2	3 <sup>rd</sup> May 2019	Dr. M.Y. Khire	Visit to learning factory, WCE Sangli	Ex. HoD Mechanical Department, WCE, Ex. Director SBGI Miraj
3	30 <sup>th</sup> August 2019	Dr. A. K. Saxena TEQIP-III Performance Auditor	Communication & Meeting with Faculty, Supporting staff and Students	WCE Sangli Tilak Hall
4	13 <sup>th</sup> December 2019	Dr Anil Kakodkar Sr. Scientist Bhabha Atomic Research Centre Trombay.	Visit regarding TIFAC Project Funding	WCE Sangli Tilak Hall, & Other Dept. Labs

F) Summary of the Prize(s) /Award(s) /Patent(s) belonging to Mech. Dept.

Sr. No.	Date(s)	Name of the Recipient	Details of the Prize/Award received	Name of the Event	Name of the Organization
1	27 <sup>th</sup> – 29 <sup>th</sup> September 2019	Mr. Chetan Bhosale (B.Tech. Student Participated)	1 <sup>st</sup> Prize in Technical Championship	MIND SPARK 19: A Techno – Panorama Event	College of Engineering, Pune
2	27 <sup>th</sup> – 29 <sup>th</sup> September 2019	Mr. Rahul Nawale (B.Tech. Student Participated)	1 <sup>st</sup> Prize in Technical Championship	MIND SPARK 19: A Techno – Panorama Event	College of Engineering, Pune
3	27 <sup>th</sup> – 29 <sup>th</sup> September 2019	Ms. Neha Kamble & Other 34 B.Tech Students 34 Participated	Attended: Mechtrix, Fandom (FRIENDS), Sherlocked, Technical Championship, Assemblix'19, Tournament, Techchamp, Flip IT, Electrade, ID-Civil, Surveying, Code Junkie ++, Microapps	MIND SPARK 19: A Techno – Panorama Event	College of Engineering, Pune
4	12 <sup>th</sup> – 13 <sup>th</sup> October 2019	Mr. Aniruddha Inge and Kaustubh (F. Y. B.Tech Mech Students)	Awards: First Prize in INGENIOUS	A State Level Technical Symposium "VERTEX 2019" organized by "MESA-MESC"	Walchand College of Engineering, Sangli
5		Mr. Suhas Patil (B.Tech Mech. Student)	Awards: First Prize in Lathemaster		
6		Ms. Sonali Pawar (B.Tech Mech. Student)	Awards: Second Prize in Lathemaster		
7		Mr. Shubham Ketkale (B.Tech Mech. Student)	Awards: Winner of Intellect (Novice)		
8		Mr. Ashwajeet Gudade (B.Tech Mech. Student)	Awards: Winner of Intellect (Expert)		
9		Mr. Rohit Chandanshive and Sourabh Jadhav (B.Tech Mech. Students)	Awards: Winner of in Technobuzz (Novice)		
10		Mr. Prajyot Shetti and Siddhesh Walve (F. Y. B.Tech. Mech Students)	Awards: Winner of in Technobuzz (Expert)		
11		Mr. Rohit Chandanshive, Suryakant Jadhav & Saurabh Jadhav (B.Tech. Mech. Student)	Awards: Winner of in Catawars		
12	2 <sup>nd</sup> November 2019	Dr. Nilesh D. Pawar (Assistant Professor Contract Faculty)	Ph. D completion At I.I.T. Delhi, (Sr. No.: 2013mez8471)	---	I.I.T. Delhi
13	16 <sup>th</sup>	Dr. Sharad V. Gaikwad	Ph. D completion	---	I.I.T.



	December 2019	(Assistant Professor)	At I.I.T. Roorkee under Q.I.P. award of this Degree, Enrolment No.: 14920005		Roorkee
14	2019	Mr. Sumit Kadam (M. Tech. Production)	Cash prize Rs. 50,000	Hackathon	---
15	July-Oct 2019	Dr. S. U. Sapkal	Awarded certificate for successfully completing the course Engineering Metrology	NPTEL-AICTE Faculty development program	Pune or kolhapur
16	July-Sept 2019	Dr. S. U. Sapkal	Awarded certificate for successfully completing the course Design for quality, Manufacturing and assembly	NPTEL	
17	Oct 2019	Dr. S. U. Sapkal	Committee member of Disaster Management Committee	Disaster Management Committee	WCE, sangli
18	27 feb to 1st march 2020	1. Mr. Kaivalya Khadilkar 2. Mr. Shubham Agarwal 3. Ms. Ishani Sonavane 4. Mr. Suyash Aralimar 5. Mr. Pratik Kathalkar	The FarmBot project presented at ASME E-FEST ASIA PACIFIC at Marwadi University, Rajkot and Received second Prize of 400 dollar under guidance of Dr. K H Inamdar and Dr. S U Sapkal	ASME E-FEST ASIA PACIFIC	Marwadi University, Rajkot
19					
20					

G) Summary of Any other (Visits by faculty/staff/Students, Books Published etc.)

S. No.	Date(s)	Duration (days)	Name of the Industry	Participants for Visit	Coordinator/s
1	15 <sup>th</sup> March 2019	1	Koyna Power Station, Koyananagar, Pophali	B. Tech. Mechanical 55 Students and 2 Faculty	Prof. Dr. B. S. Gawali, Prof. Dr. S. N. Kore
2	5 <sup>th</sup> April 2019	1	a) Shree Dattatray Industries, MIDC, Miraj b) Bhaba Engineering Pvt. Ltd., Miraj	F. Y. M. Tech. (Production) & M2, M4, M5 Batch Students & 1 Faculty	Dr. A. P. Deokule, Dr. K. H. Inamdar
3	18 <sup>th</sup> July 2019	1	Dassault System, Pune. For E3 council meeting		Dr. S. U. Sapkal & Prof. R. M. Chanmanwar
4	23 <sup>rd</sup> July 2019	1	ICT Mumbai		Dr. K. H. Inamdar
5	26 <sup>th</sup> July 2019	1	Wires Formers Pvt. Ltd. MIDC Kupwad.	Final year mechanical students and 1 Faculty	Prof. J. M. Dabir
6	27 <sup>th</sup> July 2019	1	Sangli Aluminium Extrusion Pvt. Ltd. MIDC Kupwad.	Final year mechanical students and 1 Faculty	Prof. J. M. Dabir
7	28 <sup>th</sup> - 30 <sup>th</sup> July 2019	3	HAL Nashik	M. Tech. Mechanical HPE Students and 2 Faculty	Prof. Dr. B. S. Gawali, Prof. Dr. R. K. Kulkarni
8	2 <sup>nd</sup> August 2019	1	Rajdhani Refinery Pvt. Ltd. MIDC Kupwad.	Final year mechanical students and 1 Faculty	Prof. J. M. Dabir
9	2 <sup>nd</sup> August 2019	1	Dhanlaxmi Metals Pvt. Ltd. MIDC Kupwad.	Final year mechanical students and 1 Faculty	Prof. J. M. Dabir
10	2 <sup>nd</sup> October 2019	1	Shram-Dan upkram (swachha Bharat janandolan) attended swachhatamohim	All departmental faculty, supporting staff, and all students	I/c Director WCE Sangli.
11	4 <sup>th</sup> - 5 <sup>th</sup> October 2019	2	a) Bharat re-rolling steel industries, Sangli b) Dhanlaxmi Metals Pvt. Ltd. c) Rajdhani Refinery Pvt. Ltd. MIDC Kupwad.	Final year Mechanical & 2 Faculty	Prof. J. M. Dabir and Dr. A. M. Gadade

12	18 <sup>th</sup> October 2019	1	Yashshri Poly extrusion limited, Shirol	Final year mechanical students and 1 Faculty	Prof. J. M. Dabir
13	18 <sup>th</sup> October 2019	1	Ashish fibres	F. Y. M. Tech. mechanical students and 1 Faculty	Dr. A. M. Gadade
14	6 <sup>th</sup> November 2019	1	Ashish fibres	F. Y. M. Tech. mechanical students and 1 Faculty	Prof. D. B. Pawar
15	6 <sup>th</sup> November 2019	1	AashishFibers, Kupwad MIDC	F. Y. M. Tech. Prod. Engg. Students and 1 Faculty	Prof. D. B. Pawar
16	22 <sup>nd</sup> November 2019	1	M/s. Pentair, Verna at Goa	F. Y. M. Tech. Prod. Engg. Students and 1 Faculty	Mr. S. V. Gaikwad, Dr. S. U. Sapkal, Mr. B. N. Naik
17	27 <sup>nd</sup> November 2019	1	Samrudhhi Plastics, Kupwad MIDC	F. Y. M. Tech. Prod. Engg. Students and 1 Faculty	Prof. D. B. Pawar
18	30 <sup>th</sup> November 2019	1	Sangli Aluminium Extrusion Pvt. Ltd. MIDC Kupwad.	F. Y. M. Tech. mechanical students and 2 Faculties	Prof. P. D. Maskar and Prof. A. S. Bhandare
19	23 <sup>rd</sup> January 2020	1	a) Takari lift irrigation system, Takari b) Sujata Engineering Associates, Palus	Second year mechanical students and 4 Faculties	Prof. Dr. B. S. Gawali

Any Other

H) Summary of Workshop/Seminar/Conference/Training programme/Short term course Attended (by Student's) :-

Sr. No.	Date(s)	Duration (days)	Name of the Participating Student	Name of the Coordinating faculty	Title of the Activity	Organized by
1	31 <sup>st</sup> March 2019	1	Mr. Awati Dhanesh S. Y. M. Tech. (Production)	Prof. R. M. Chanmanwar	Attended "NPTEL online Certification" exam	NPTEL, Kolhapur
2	27 <sup>th</sup> – 28 <sup>th</sup> April 2019	2	Mr. Prateek D. Malwe (AICTE - NDF Ph. D. Student) Mr. Kapil Gandigude S. Y. M. Tech. (HPE)	Prof. Dr. B. S. Gawali	Attended Workshop on "Cold Storage & Packhouse"	APG Learning Centre, Kolhapur
3	28 <sup>th</sup> April 2019	1	Mr. Sanjay S. Heralge S. Y. M. Tech. (Production)	Prof. J. M. Dabir	Attended "NPTEL online Certification" exam	NPTEL, Kolhapur
4	2 <sup>nd</sup> – 4 <sup>th</sup> May 2019	3	Mr. Shital S. Mone S. Y. M. Tech. (HPE)	Prof. Dr. B. S. Gawali	Attended Conference on "IC-Amer Conference"	NIT Warangal
5	3 <sup>rd</sup> – 4 <sup>th</sup> May 2019	2	---	Prof. A. U. Paranjpe	Attended "SAE Meeting"	
6	24 <sup>th</sup> - 28 <sup>th</sup> June 2019	5	Mr. Rajesh Pujari & other 4 S. Y. M. Tech. (Production) students	Prof. Dr. K. H. Inamdar	Attended "Hands on Training in Robot Programming"	
7	8 <sup>th</sup> – 16 <sup>th</sup> July 2019	8	Mr. Shriram Madake, Mr. Balaji Patil & other 4 Mechanical & Electrical students	Prof. S. D. Jagtap	Attend "SAE E-BAJA 2019" Competition	SAE
8	8 <sup>th</sup> – 16 <sup>th</sup> July 2019	8	Mr. Akash Raje, Mr. Rohan Patil & other 3 Mechanical students	Prof. S. D. Jagtap & Prof. P.A. Mane	Attend "SAE E-BAJA 2019" Competition	SAE
9	8 <sup>th</sup> – 12 <sup>th</sup> July 2019	5	Mr. Prateek Malwe, Mr. Rafik S. Choudhari, Miss. Supriya Darekar, etc. (Ph.D. Students), Mr. Amar Virape and other S. Y. M. Tech. (HPE)	Prof. Dr. B. S. Gawali	Attended STTP on "Modelling and Simulation of structural and Fluid flow Problems"	WCE Sangli

			students			
10	7 <sup>th</sup> September 2019	1	Mr. Prateek Malwe, Mr. Rafik S. Choudhari (AICTE - NDF Ph. D. students)	Prof. Dr. B. S. Gawali	Attended a One Day Workshop on “Writing Research Synopsis/ Thesis”	WCE Sangli
11	16 <sup>th</sup> September 2019	1	Mr. Salagarkar P. A. S. Y. M. Tech. (Production)	Dr. K. H. Inamdar	Attend “NPTEL online Certification exam”	Kolhapur
12	20 <sup>th</sup> September 2019	1	Mr. Salgarkar P. A. , Mr. Teli Vijay S. Y. M. Tech. (Production) and Mr. Mukane Sanket S. Y. M. Tech. (HPE) student	Prof. P. A. Mane	Attended Workshop on “Artificial Intelligence and Manufacturing Industry”	
13	26 <sup>th</sup> Septemb er – 10 <sup>th</sup> October 2019	15	14 B. Tech. Students and Mr. Chanmanwar R. M., Ms. Nagmoti Nikita	Prof. Dr. More D. S	Attended “Efficycle Competition”	LPU, Jalandhar
14	27 <sup>th</sup> September 2019	1	Ms. Kininge Neha, Ms. Kamble Neha & other 4 Mech. students	Prof. P. A. Mane	Attended “MIND SPARK 2019” Competition	COEP
15	28 <sup>th</sup> September 2019	1	Mr. Khadilkar K., Miss. Aishwarya Dhole, Mr. Miraje Shivam, Mr. Chauthmal Shashank, Mr. Yadgirkar Rushikesh (B. Tech. Mech. Students)	Dr. S.U. Sapkal	Attended “ASME EFx”	MKSSS, College of Engg. Pune
16	25 <sup>th</sup> – 29 <sup>th</sup> September 2019	5	Ms. Darekar Supriya, Mr. Chityal Nitin, Mr. Warule Pritam	Dr. S. U. Sapkal	Attend STTP on “AdvancedEngineeri ng Optimization Through IntelligentTechnique s”	SVNIT Surat
17	27 <sup>th</sup> – 29 <sup>th</sup> September 2019	3	Ms. Neha Kamble & Other 34 B. Tech. students		A Techno – Panorama Event “MIND SPARK 19” under which events like Mechtrix, Fandom(FRIENDS), Sherlocked, Technical	

					Championship, Assemblix' 19, Tournament, Techchamp, Flip IT, Electrade, ID-Civil, Surveying, Code Junkie ++, Microapps etc. participated	
18	12 <sup>th</sup> – 13 <sup>th</sup> October 2019	2	Members of MESA MESC, WCE Sangli		“VERTEX” event	WCE, Sangli
19	19 <sup>th</sup> – 20 <sup>th</sup> October 2019	2	Mr. Arnav Karekar, Mr. Aniket Chougule & other 3 Students Mechanical, Electronics & Electrical	V. V. Dhende and N. D. Pawar	Attended a Workshop on “Go- Kart Design Championship(GKDC C- 2020)”	GKDC
20	22 <sup>nd</sup> October 2019	1	Mr. Awati Dhanesh S. Y. M. Tech. (Production)	Prof. Chanmanwar R. M	Attended “MIT and EDX Online Certification exam”	
21	9 <sup>th</sup> November 2019	1	Mr. Prateek Malwe, Mr. Rafik S. Choudhari (AICTE - NDF Ph. D. students)	Prof. Dr. B. S. Gawali	Attended a One-day Webinar-cum-Workshop on "R Programming"	WCE, Sangli
22	16 <sup>th</sup> November 2019	1	Mr. Awati Dhanesh S. Y. M. Tech. (Production)	Prof. Chanmanwar R. M	Attended “NPTEL online Certification exam”	Kolhapur
23	16 <sup>th</sup> November 2019	1	Mr. Heralge Sanjay S. S. Y. M. Tech. (Production)	Mr. Dabir J. M.	Attend “NPTEL online Certification exam”	Hyderabad
24	17 <sup>th</sup> November 2019	1	Ms. Darekar Supriya Ph. D. Research Scholar	Dr. S. U. Sapkal	Attended “NPTEL online Certification exam”	Kolhapur
25	2 <sup>nd</sup> – 6 <sup>th</sup> December 2019	6	Mr. Prateek D. Malwe, Mr. Nandkishor S. Deshmukh AICTE-NDF Ph.D. Research Student	Prof. Dr. B. S. Gawali	Attended AICTE and ISTE STTP on “Energy Efficient Practices in Refrigeration and Air Conditioning”	FAMT Ratnagiri, Maharashtra
26	16 <sup>th</sup> – 24 <sup>th</sup> December 2019	9	Mr. Kenkar Aakash, Mr. Kamreddi Rohit, Mr. Dixit Omkar S. Y. M. Tech.	V. V. Dhende	Attended Workshop on “Geometric Algorithm and their Application”	La Foundation Dassault systems

			(Design) Students			
27	2 <sup>nd</sup> – 15 <sup>th</sup> January 2020	15	Ms. Rutuja K. Shivdas (AICTE NDF PhD Research Scholar)	Dr. Sagar U. Sapkal	Attended STTP on “Artificial Intelligence, Machine Learning and Deep Learning Applications in Production and Mfg. System”	
28	3 <sup>rd</sup> - 5 <sup>th</sup> January 2020	5	Participated in Techfest organized		Workshop on “Artificial Intelligence”	IIT Bombay
29	3 <sup>rd</sup> – 5 <sup>th</sup> January 2020	3	Mr. Sumeet Kadam S. Y. M. Tech. (Production)		Participated in “Techfest 2019”	IIT Bombay
30	3 <sup>rd</sup> – 5 <sup>th</sup> January 2020	3	Ms. Neha Kininge B. Tech. Mech. Student		Participated in “Techfest 2019”	IIT Bombay
31	6 <sup>th</sup> – 8 <sup>th</sup> January 2020	3	Mr. Prateek Ghoskewar B. Tech. Mech. Student	P. D. Maskar	Participated in “AVISHKAR” Event Up to 3 <sup>rd</sup> round	SU, Kolhapur
32	6 <sup>th</sup> & 15 <sup>th</sup> January 2020	2	Mr. Sontakke Mayank, Ms. Beldar Pragati and Mr. Prajwal Honkalas B. Tech. Mech. Students	V. V. Dhende	Attended “GKDC” Driver Training Program	Hyderabad
33	11 <sup>th</sup> January 2020	1	All Mechanical Department		“Alumni Meet2020”	WCE Sangli
34	18 <sup>th</sup> January 2020	1	Mr. Prateek Malwe, Mr. Rafik Choudhari, Mr. Dhalait Rustum, Mr. Nandkishor Deshmukh (AICTE NDF PhD Research Scholars)		Workshop on “Research Methodology”	SUK, Kolhapur
35	18 <sup>th</sup> January 2020	1	Ms. Darekar Supriya, Ms. Rutuja Shivdas, Mr. Nitin Chityal (PhD Research Scholars)		Workshop on “Research Methodology”	SUK, Kolhapur
36	21 <sup>st</sup> – 22 <sup>nd</sup> January 2020	2	Mr. Sumit Kadam S. Y. M. Tech. (Production)		Smart Aurangabad Hackathon	Govt. College of Engg, Karad
37	22 <sup>nd</sup> January 2020	1	Mr. Prateek D. Malwe, Mr.	Prof. Dr. B. S. Gawali	Attended Refrigeration	Sayaji Hotel,

			Nandkishor S. Deshmukh AICTE-NDF Ph.D. Research Student		Conference 2019-20 (REFCON), organized by ISHRAE Pune and ISHRAE Kolhapur - Sangli Sub Chapter	Kolhapur
38	21 <sup>st</sup> – 29 <sup>th</sup> January 2020	10	Mr. Akash Raje, Mr. Siddhesh Nevagi & other 23 Mech. students	Prof. S. D. Jagtap & Prof. P.A. Mane	Attend Competition “SAE M-BAJA 2020”	SAE
39	22 <sup>nd</sup> - 28 <sup>th</sup> January 2020	5	Mr. Shiram Madake, Mr. Balaji Patil & other 8 Mechanical & Electrical students	Prof. S. D. Jagtap, Prof. Arali, Prof. Bhandare	Attend “SAE E-BAJA 2019” Competition	SAE
40	23 <sup>rd</sup> – 28 <sup>th</sup> January 2020	6	Prof. Dr. S. U. Sapkal, Mr. Nitin Chityal, Ms. Shivdas Rutuja (AICTE NDF PhD Research Scholars) Ms. Shravani Potdar etc. S. Y. M. Tech. (Production)	Prof. Dr. S. U. Sapkal	An International Exhibition and Seminar “IMTEX-20& TOOL Tech 2020”	BIEC, Bangalore
41	8 <sup>th</sup> January - 15 <sup>th</sup> April 2020	3.5 Months	Ms. Mayuri Palav Final Year B. Tech Student		B.Tech Project Sponsorship received from SIEMENS Industries Software Pvt. Ltd.	SIEMENS Industries Software, Pune
42	25 <sup>th</sup> January 2020	1	Mr. Prateek Malwe, Mr. Rafik S. Choudhari (AICTE - NDF Ph. D. students)	Prof. Dr. B. S. Gawali	Attended a One Day Workshop on “Joining Techniques” organized by Indian Cryogenic Council - West Zone	Tata Institute of Fundamental Research (T.I.F.R.), Mumbai
43	January 2020	day	Ms. Bedage Revati, Ms. Mirje Shivam, Ms. Potdar Shravani, B. Tech. Mech. students		Project Pitch Event at DASSAULT Systems	January 2020
44	7 <sup>st</sup> - 16 <sup>th</sup> February 2020	5	19 students of WCE (16 Mechanical, 01 Electronics, and 02 Electrical Engg.)	V. V. Dhende and A. S. Patil	Attend competition “Go - Kart Design Challenge” by ISNEE	ISNEE



45	8 <sup>th</sup> February 2020	1	Mr. Awati Dhanesh S. Y. M. Tech. (Production)	Prof. R. M. Chanmanwar	Attended "GATE 2020 exam"	Sangli & Kolhapur
46	2019-20 to 2021-22 up to 30 <sup>th</sup> June 2022	2 years	Accreditation provided to mechanical department		NBA accreditation	WCE Sangli
47	March 2020	1	Mr. Mandar M. Kulkarni,		Secured AIR 17764 (398 marks) in GATE 2020 Examination	IIT
48	March 2020	1	Mr. Dhananjay S. Sargar,		Secured AIR 3517 (663 marks) in GATE 2020 Examination	IIT
49	March 2020	1	Mr. Nishant V. Bhorkar,		Secured AIR 5266 (617 marks) in GATE 2020 Examination	IIT
50	March 2020	1	Mr. Onkar P. Sherkar,		Secured AIR 4086 (646 marks) in GATE 2020 Examination	IIT
51	March 2020	1	Mr. Pavan K. Varute		Secured AIR 13934 (452 marks) in GATE 2020 Examination	IIT
52	March 2020	1	Mr. Abhijeet R. Jawlekar		Secured AIR 7061 (575 marks) in GATE 2020 Examination	IIT
53	March 2020	1	Mr. Krushnadev V. Jadhav		Secured AIR 13534 (457 marks) in GATE 2020 Examination	IIT
54	March 2020	1	Mr. Siddhesh Walve		Secured AIR 2454(701 marks) in GATE 2020 Examination	IIT
55	February 28 – March 1, 2020.	3	Mr. Mandar Kulkarni, rudra Shete, Shashank Chauthmal and 15 B. tech students	Dr. K. H. Inamdar & Dr. S. U Sapkal	Attended "E-Fests Asia Pacific"	SAE and Marwadi University Rajkot
56	13 <sup>th</sup> February – 7 <sup>th</sup> March, 2020	6	M.Tech design students, Ph.D Research Scholar and Faculty	Dr. M. M. Khot, Dr. N. D. Pawar	attended workshop on "Finite Element Analysis" at Dept. of Mechanical Engineering, WCE, Sangli	WCE, Sangli
57	28 <sup>th</sup> – 31 <sup>st</sup> December 2019	4	Mr. Prateek D. Malwe, Mr. Choudhari Mahamadrafik AICTE-NDF Ph.D. Research Student	Prof. Dr. B. S. Gawali	Participated 25 <sup>th</sup> national and 3 <sup>rd</sup> international heat and mass transfer Conference organized by ISHMT and ASTFE	IIT Roorkee
58	19 <sup>th</sup> – 23 <sup>rd</sup> November 2019	5	Ms. Rutuja K. Shivdas (AICTE NDF PhD Research Scholar)	Dr. Sagar U. Sapkal	Attended AICTE Training and Learning (ATAL) Academy Programme on AL & Machine Learning for Real time	AICTE Training and Learning (ATAL) Academy

					Application	
59	21 <sup>st</sup> – 23 <sup>rd</sup> December 2019	3	Mr. Teli Vijay M. , Salgarkar Pranesh A., Navale Pradip B. and 2 other	Dr. K. H. Inamdar	Attended and presented International Conference ICMCI 19 at JEC Jabalpur	JEC Jabalpur
60	19 <sup>th</sup> – 21 <sup>st</sup> December 2019	3	Salgarkar Panesh, Navale Pradip	Dr. K. H. Inamdar	Attended and presented paper in International Conference on Instrumentation and Control Engineering at NIT Trichy	NIT Trichy

D) Summary of the Consultancy for the year 2019-20

Sr. No.	Name of the Party	Name of the consultant	Amount (Rs.)
1	Dr.Aniruddha V. Wankhede, BharatiVidyapeeth, Sangli	A. S. Bhandare	3,000
2	Dr.SapnaDhake, Bharati Vidyapeeth, Sangli	A. S. Bhandare	5,000
3	Astral polytechnic, Ltd. Sangli	A. U. Paranjape, S. D. Jagtap	23,600
4	CEO, VadgaonNagarparishad, Dist.Kolhapur	P. A.Mane	5,900
5	Kirloskar brothers Ltd., Kirloskarwadi	A. U. Paranjape	25,960
6	Kirloskar brothers Ltd., Kirloskarwadi	A. U. Paranjape	1,41,600
7	Kirloskar brothers Ltd., Kirloskarwadi	A. U. Paranjape	15,340
8	Kirloskar brothers Ltd., Kirloskarwadi	A. U. Paranjape	25,960
9	Kirloskar brothers Ltd., Kirloskarwadi	A. U. Paranjape	99,120
10	Kirloskar brothers Ltd., Kirloskarwadi	A. U. Paranjape	8,260
11	ShriRenuka sugars Ltd., Munnoli	A. U. Paranjape	59,000
12	Dr.MitulKevadia, Bharati Vidyapeeth, Sangli	A. S. Bhandare	5,000
13	Dr. Sumitvhate, Bharati Vidyapeeth, Sangli	A. S. Bhandare	5,000
14	Mr.Ranade M. N. , RIT, Islampur	A. S. Bhandare	2,000
15	Dr.Aranta Chindare, Bharati Vidyapeeth, Sangli	A. S. Bhandare	3,000
16	Chetan motors, Uchgaon	P. A.Mane	29,500
17	ShriRenuka sugars Ltd., Munnoli, Karnataka	A. U. Paranjape	42,480
18	Bilgi sugars Ltd., Bilgi, Karnataka	A. U. Paranjape	42,480
19	ShriRenuka sugars Ltd., Munnoli, Karnataka	A. U. Paranjape	1,33,340
20	GEM Sugars Ltd., Kundargi, Karnataka	A. U. Paranjape	87,792
21	ShriGurudatta sugars	A. B. Admuthe	12,980
22	Sahyadri pipes , Sangli	A. B. Admuthe	2,478
23	Maharashtra JivanPradhikaran Miraj	A. B. Admuthe	20,736
24	Maharashtra Jivan Pradhikaran Miraj	A. B. Admuthe	5,660
25	Maharashtra Jivan Pradhikaran Miraj	A. B. Admuthe	5,660
26	Maharashtra Jivan Pradhikaran Miraj	A. B. Admuthe	11,328
27	Mr. Harshal Kulkarni, IIT, Roorkee	A. S. Bhandare	22,000
28	Mr. N. C. Deshpande, Sanghavi College, Mumbai	A. S. Bhandare	7,000
29	Mr. Swarup Deshmukh, NIT, Durgapur	A. S. Bhandare	2,000
TOTAL			8,53,174/-

J) Summary of Research Papers published in National/ International Journals

Sr. No.	Year	International/ National	Title of the Research Paper	Details of the Journal (Name of Journal, Volume, Page No.)	Name of the Author(s)
1	April 2019	International	Kinematic Analysis of Circuit Breaker Mechanism	International Journal of Modern Engineering and Research Technology, Volume 6, Issue 2, April 2019, ISSN: 2348-8565	Prathamesh Jagtap
2	May 2019	International	Modelling and Simulation of Canopy Control System for Aircraft	International Journal of Engineering & Science Research IJESR, May 2019, Volume 9, Issue5, pp. 36-45	Amol Gosavi, S. K. Dwivedi, Shridhar Limaye
3	May 2019	International	Performance of Shell and Tube Heat Exchanger Using Flow Divider Dimpled Type Baffles	International Journal for Scientific Research & Development (IJSRD), Volume 7, Issue 3, 2019, pp. 1702-1704	Sagar Nagade, Narayan Sane , Suhas Jagtap
4	June 2019	International	Numerical and Experimental Analysis of Leakage Rate of O-Ring Elastomeric Sealing Materials	Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue6, pp. 524-528.	Ravi Gupta, Dr. R. G. Todkar, Dr. S. G. Joshi
5	June 2019	International	The Experimental Analysis of a Vibration Based 2DOF Piezoelectric Energy Harvester	Proceeding of IRAJ International Conference	Amol Khade, Vishal Dhende, Shridhar Joshi
6	June 2019	International	Design and Development of Energy Harvesting Mechanical Motion Rectifier	Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue6, pp. 469-473	Kiran Kshirsagar, P. D. Maskar
7	June 2019	International	The Study of Solar Collector Using Closed Loop Pulsating Heat Pipe With Alumina as Working Fluid	International Journal of Science Research, Volume 7, Issue6, pp. 269-273	Vinay Nikam, Maruti Khot, Mayur Mane
8	June 2019	International	Structural Integrity Assessment of Genset Structure for Earthquake Loads	CSE International Journal of Computer Science and Engineering Volume 7, Issue6, June 2019, E-ISSN: 2347-2693	Avinash Vibhute, Vaibhav Shinde, Amar Paranjape
9	June 2019	International	Analysis of Motion Transmissibility of Damper by Using Magneto-Rheological Fluid	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 220-223.	Hemanshu Dagade, A. U. Paranjape, M. M. Khade.
10	June 2019	International	Design and Simulation of Kinematic Linkages of a Launcher for Weapon	Journal of Emerging Technologies and Innovative Research (JETIR) 2019,	Sagar Malwade, Maruti Khot,

			Carriage and Release from Fighter Aircraft	Volume6, Issue 6, June 2019, pp. 82-90	S. S. Dwivedi, M. Kuhikar
11	June 2019	International	Design, Development and Testing of a Vibration Based Electromagnetic and Piezoelectric Dual Mode Energy Harvester	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 381-386	Dhanraj Chavan, R. G. Todkar, S. G. Joshi
12	June 2019	International	Modification of Suspension System of Existing Compressor Using Finite Element Analysis	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 565-569	Arjun Melgiri, Vishal Dhende, Sudhir Arali
13	June 2019	International	Numerical Analysis and Experimental Validation of Stiffened Composite Plate for Structural Health Monitoring	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 619-623	Jayesh Amrutkar, Sajal Roy, Shridhar Joshi, A. B. Admuthe
14	June 2019	International	Development of Lab Scale Model for Dehydration of Grapes Using Hybrid Drying Methodology.	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 862-865.	Vijay G. Gaikwad, R. K. Kulkarni
15	June 2019	International	CFD Analysis of Wind Flow Behaviour Around Tall Stacks: A Review	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 319-322.	D. R. Adwani, M. S. Joshi, S. M. Ranade, A. M. Patil
16	June 2019	International	Performance Analysis of Evacuated Tube Solar Dryer With Desiccant Dehumidifier and PCM as Thermal Storage Material	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 497-500	Akshay Chopade, S. M. Ranade
17	June 2019	International	Analysis of Effect of Coating Materials on Dynamic Properties of Structure	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 614-618.	PrameshShendage, P. D. Maskar, M. M. Khade
18	June 2019	International	An Experimental Study on Single Axis Solar Tracking System	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 478-482.	Prathmesh Dhikale, Prasanna Chougule, Uday Dabade
19	June	International	Experimental Investigation of Combined	International Journal of Science and	Aarati Londhe,

	2019		Welding on Mild Steel	Research(IJSR), Volume 8, Issue 6, June 2019, pp. 211-214	K. H. Inamdar
20	June 2019	International	Optimization of Process Parameters for Cold Metal Transfer(CMT) Welding of Dissimilar Materials	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 630-636	Yogesh Magdum, Dr .K. H. Inamdar
21	June 2019	International	Experimental Investigation of Various Process Parameters of Micro WEDM on INCONEL601	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 958-962	Utkarsh Shinghade, Bipin R. Shevade
22	June 2019	International	Modelling And Simulation of Air Brake Hydraulic System of Fighter Aircraft Using ASESIM Software	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 316-323.	M. S. Ingawale, Dr. M. M. Khot, S.D. Vispute, Omkar Akhilesham
23	June 2019	International	Modelling and Simulation of Pneumatic System of a Launcher for Carriage And Release of Weapon From Fighter Aircraft.	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019	S. S. Pawar, S. H. Limaye, S. K. Dwivedi, S. K. Thakur, Ravindra Kumar Jadon
24	June 2019	International	Methodology for Zero Defect Station By Advanced Product Quality Planning	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 819-822 .	Shridhar Paramane, B. R. Shevade
25	June 2019	International	Modeling and Simulation of Twin Engine Fighter Aircraft Fuel Supply System to Optimize Sequencing During Flight	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 934-939.	Onkar Waghmare, Amit Kumar Soni, V. V. Dhende
26	June 2019	International	CFD Analysis of Wind Flow Behaviour Around Tall Stacks: A Review	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019	Adwani Dinesh, Mr. S. M. Ranade
27	June 2019	International	Modelling and Simulation of Twin Engine Fighter Aircraft Refuelling System and sequence Optimisation	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 683-689	Sushant Shingare, Vishal Dhende

28	June 2019	International	Design and Development of Throttle Valve Endurance Test Machine	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 206-210	Priyanka Kamble, Prof. Shridhar Limaye
29	June 2019	International	Performance Analysis of Air Cooled Steam Condenser for Various Tube Heat Exchanger Configuration	International Journal for Scientific Research & Development (IJSRD), Volume 7, Issue3, pp. 1674-1677	Gaurav Mulik, S. M. Ranade, M. V. Kulkarni
30	June 2019	International	Sand Casting Simulation: A Review	Journal of Emerging Technologies and Innovative Research (JETIR) January-2019, Volume6 Issue 1, pp. 46-49	Vishwajeet Patil, Dr. K. H. Inamdar
31	June 2019	International	Methodology for Salvaging by FDM Technology	Journal of Emerging Technologies and Innovative Research (JETIR) ISSN:2349-5162, Volume 6, Issue 1, pp. 42-45, January-2019	Pankaj Gavade, Dr. K. H. Inamdar
32	June 2019	International	Modelling and Simulation of Command and Control System to Execute the Fuel Sequencing For Fighter Aircraft Using AMESim Software	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019	Dhiraj Patil, P. D. Maskar, Amit Kumar Soni
33	June 2019	International	An Investigation of Failure and Damage In Unidirectional Composite Under Static Loading	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 436-443	Mahesh Korhale, Dr. Maruti Khot
34	June 2019	International	Design and Development of Experimental Setup for Ball Bearing Noise Testing	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 831	Gaurav H. Mehare, Shridhar H. Limaye
35	June 2019	International	Modeling and Simulation of Fighter Aircraft Refuelling Probe Hydraulic System using AMESim Software	International Journal of Computer Science and Engineering, Volume 7, Issue 6, June 2019	Pratik Patil, Prabhakar Maskar, Sanjay Vispute, Ohmkar Akhilesham
36	August 2019	International	Experimental Investigation of Magnetorheological Finishing on Copper Alloy	MaterialsToday: Proceedings, Volume 19, Part 2, 2019, pp. 312-316	Akash More, Rahul Chanmanwar
37	August 2019	International	Effect of Tool Profile on a Single Point Incremental Forming Process	Journal of Emerging Technologies and Innovative Research (JETIR) 2019,	Hanumant Deshmukh,

				Volume6, Issue 6, June 2019	J. M. Dabir
38	August 2019	International	Experimental Investigation on a Shield and Magnetic Assisted EDM of EN24 Steel	Materials Today Proceeding, Volume 19, Part 2, 2019, pp. 594-598	Nitin S. Chityal, Amar Bhandare, U. A. Dabade
39	August 2019	International	Methods and Practices to Investigate the Factors Affecting failures in Turbocharger Turbine: A Review	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 481-484 .	Mayur Lokhande, Dr. S. G. Joshi
40	August 2019	International	Numerical Analysis of Cracked Beam with Various Position of Point Mass	Journal of Emerging Technologies and Innovative Research (JETIR) 2019, Volume6, Issue 6, June 2019, pp. 1023-1026	Rohit Kalpavruksha, Mr. A. B. Admuthe
41	September 2019	International	Symmetric and Asymmetric Coalescence of Droplets on a Solid Surface in the Inertia Dominated Regime	Physics of Fluids 31, 092106 (2019); <a href="https://doi.org/10.1063/1.5119014">https://doi.org/10.1063/1.5119014</a>	Nilesh D. Pawar, Suprit Singh Bahaga, Sunil R. Kale, Sasidhar Kondaraju
42	March 2020	International	Effect on an Aluminium Plate with V-fins under Natural Convection heat Transfer Conditions	International Journal of Recent Technology and Engineering (IJRTE)', ISSN: 2277-3878 (Online), Volume-8 Issue-6, March 2020. Page No.: 2219-2222.	Mr. P. A. Mane
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**K) Summary of Research Papers published in Conference Proceedings (National)**

Sr. No.	Year	Title of the Research Paper	Details of the Conference	Name of the Author(s)
1	December 2019	Selection of Optimum Working Fluids for Low Power Output Organic Rankine Cycle	43rd National Systems Conference on Innovative and Emerging Trends in Engineering Systems	Rustum Dhalait, Prof. Suhas Jagtap

**L) Summary of Research Papers published in Conference Proceedings (International)**

Sr. No.	Year	Title of the Research Paper	Details of the Conference	Name of the Author(s)
1	May 2019	CFD Modelling of Combustion and Calcination Reaction In Cement Calciner	Proceedings of the International Conference on Applied Mechanical Engineering Research, NIT Warangal, 2 <sup>nd</sup> – 4 <sup>th</sup> May 2019	Shital Mone, Dr. Bajirao.S. Gawali, M.S. Joshi, Vivek Vitankar
2	June 2019	Parametric Optimization of Magnetorheological Finishing by Using Response Surface Methodology	International Conference on Precision, Meso, Micro and Nano Engineering, I.I.T. Indore	Akash More, Rahul Chanmanwar
3	June 2019	Design and Development of Test Set up for Impact Endurance Test on Chain Tensioner	International Conference on Manufacturing, Material Science and Engineering (ICMMSE), 305	Prasad Thakare, S. H. Limaye
4	July 2019	Effect of Various Ansys Setting on Load- Deflection Curve In Cohesive Zone Modelling	Indian Conference on Applied Mechanics 2019 Conference (INCAM 2019), IISc Bangalore, 3 <sup>rd</sup> – 5 <sup>th</sup> July 2019	Rohit Aute, C.Ramdas, R.Wagmare, R.Harshe, S.Joshi
5	July 2019	Some Experimental Study on 2DOF Electromagnetic Harvester	International Conference on Recent Innovation in Mechanical Engineering, Pondicherry, 15 <sup>th</sup> September 2019	Siddhant Ambilpure, R. G. Todkar, S. G. Joshi
6	July 2019	Exergetic Investigations of a Multistage Multi Evaporator Vapour Compression Refrigeration	11 <sup>th</sup> International Exergy, Energy and Environment Symposium (IEEES - 11), SRM Institute of Science & Technology, Kattankulathur, Tamil Nadu, India, 14 <sup>th</sup> -18 <sup>th</sup> July 2019	Mr. Prateek D. Malwe, Dr. Bajirao.S. Gawali, Mr. Mahmadrifik

		System		Choudhari
7	August 2019	Performance Analysis of Powder Assisted Reverse Micro Electric Discharge Machining ( $\mu$ -EDM)	International Conference on Manufacturing, Material Science and Engineering (ICMMSE 2019) at CMR Institute of Technology Hyderabad, 16 <sup>th</sup> – 17 <sup>th</sup> August 2019	Baburao Koli, Dr.U. A. Dabade
8	August 2019	Selection of Bearing Material to Comply Rohs Regulations as Per EU Directive: A Review	International Conference on Manufacturing, Material Science and Engineering (ICMMSE 2019) at CMR Institute of Technology Hyderabad, 16 <sup>th</sup> – 17 <sup>th</sup> August 2019	Priyanka Patil, Dr.U. A. Dabade
9	August 2019	Quality Evaluation of Precision Micro Holes Drilled using Pulsed Nd: YAG Laser on Aerospace Nickel-Based Super Alloy	International Conference on Manufacturing, Material Science and Engineering (ICMMSE 2019) at CMR Institute of Technology Hyderabad, 16 <sup>th</sup> – 17 <sup>th</sup> August 2019	Mangesh Gurav, Dr.U. A. Dabade
10	August 2019	Optimization of Process Parameters During Turning of Inconel 625	International Conference on Manufacturing, Material Science and Engineering (ICMMSE 2019) at CMR Institute of Technology Hyderabad, 16 <sup>th</sup> – 17 <sup>th</sup> August 2019	Shankar Waghmode, Dr.U. A. Dabade
11	August 2019	Lean Manufacturing Implementation using Value Stream Mapping at Excavator Manufacturing Company	International Conference on Manufacturing, Material Science and Engineering (ICMMSE 2019) at CMR Institute of Technology Hyderabad, 16 <sup>th</sup> – 17 <sup>th</sup> August 2019	Pratham Masuti, Dr.U. A. Dabade
12	August 2019	Experimental Investigation on a Shield and Magnetic Assisted EDM of EN24 Steel	International Conference on Manufacturing, Material Science and Engineering (ICMMSE 2019) at CMR Institute of Technology Hyderabad, 16 <sup>th</sup> – 17 <sup>th</sup> August 2019	Nitin S Chityal, Amar Bhandare, Dr.U. A. Dabade
13	August 2019	Experimental Investigation of Magnetorheological Finishing on Copper Alloy	International Conference on Manufacturing, Material Science and Engineering (ICMMSE 2019) at CMR Institute of Technology Hyderabad, 16 <sup>th</sup> – 17 <sup>th</sup> August 2019	Akash K. More, Mr. Rahul Chanmanwar
14	November 2019	Dimensional Variation and Wear Analysis of 3D Printed Pattern for Sand Casting	International Conference on Mechanical and Energy Technology (ICMET)2019, Noida,UP, 7 <sup>th</sup> – 8 <sup>th</sup> November 2019	Dr. S. U Sapkal, C. Patil, Ms. Darekar Supriya
15	December 2019	Analysis and Optimization of Housing of Pillow Block Bearing Casting using Simulation	International Conference on Instrumentation and Control Engineering (ICECON 2019) at NIT Tiruchirappalli, 19 <sup>th</sup> – 21 <sup>st</sup> December 2019	Pranesh Salagarkar, Dr. Kedar Inamdar
16	December 2019	Analysis of 3D Printed Pattern and Conventional Pattern by Experiment Simulation	International Conference on Instrumentation and Control Engineering (ICECON 2019) at NIT Tiruchirappalli, 19 <sup>th</sup> – 21 <sup>st</sup> December 2019	Pradip Navale, Dr. Kedar Inamdar
17	December 2019	Optimization of Compound Casting through Simulation Software: A	International Conference on Engineering,Mathematical and Computational Intelligence(ICEMCI 2019) at Jabalpur Engineering	Pranesh Salagarkar, Dr. Kedar Inamdar

		Review	College, Jabalpur, pp. 32, 21 <sup>st</sup> – 23 <sup>rd</sup> December 2019	
18	December 2019	A Review Identifying Effects of Minimum Quantity Lubrication (MQL) in Turning Process Using Conventional Fluids and Nano Fluids	International Conference on Engineering,Mathematical and Computational Intelligence(ICEMCI 2019) at Jabalpur Engineering College, Jabalpur, pp. 42, 21 <sup>st</sup> – 23 <sup>rd</sup> December 2019	Vijay Teli, Dr. Kedar Inamdar
19	December 2019	Experimental Analysis of 3D Printed Patterns and Conventional Pattern: A Review	International Conference on Engineering,Mathematical and Computational Intelligence(ICEMCI 2019) at Jabalpur Engineering College, Jabalpur, pp. 49, 21 <sup>st</sup> – 23 <sup>rd</sup> December 2019	Pradip Navale, Dr. Kedar Inamdar
20	December 2019	Applications of Additive Manufacturing in Orthodontics	International Conference on Engineering,Mathematical and Computational Intelligence(ICEMCI 2019) at Jabalpur Engineering College, Jabalpur, pp. 57, 21 <sup>st</sup> – 23 <sup>rd</sup> December 2019	Akash Joshi, Dr. Kedar Inamdar
21	December 2019	The Effect of Design Parameters on Fused Deposition Snap Fit Components	International Conference on Engineering,Mathematical and Computational Intelligence(ICEMCI 2019) at Jabalpur Engineering College, Jabalpur, pp. 59, 21 <sup>st</sup> – 23 <sup>rd</sup> December 2019	Sumeet Kadam, Dr. Kedar Inamdar
22	December2019	Solar Drying of Leafy Vegetables	25 <sup>th</sup> National & 3 <sup>rd</sup> International ISHMT – ASTFE Heat and Mass Transfer Conference(IHMTC - 2019) at I.I.T., Roorkee, 28 <sup>th</sup> – 31 <sup>st</sup> December 2019	Prof. S. M. Ranade Asst. Professor
23	December2019	Exergetic Assessment of an Organic Rankine Cycle Integrated with Vapour Compression Refrigeration System	25 <sup>th</sup> National & 3 <sup>rd</sup> International ISHMT – ASTFE Heat and Mass Transfer Conference(IHMTC - 2019) at I.I.T., Roorkee, 28 <sup>th</sup> – 31 <sup>st</sup> December 2019	Mr. Prateek D. Malwe, Dr. Bajirao.S. Gawali, Mr. Mahmadrarik Choudhari
24	December2019	A Review on Exergetic Assessment of an Organic Rankine Cycle Integrated with Vapour Compression Refrigeration System	25 <sup>th</sup> National & 3 <sup>rd</sup> International ISHMT – ASTFE Heat and Mass Transfer Conference(IHMTC - 2019) at I.I.T., Roorkee, 28 <sup>th</sup> – 31 <sup>st</sup> December 2019	Mr. Prateek D. Malwe, Dr. Bajirao S. Gawali, Mr. Mahmadrarik Choudhari
25	December2019	Analysis of Oscillating Flow Heat Exchanger used in Pulse Tube Refrigerator.	25 <sup>th</sup> National & 3 <sup>rd</sup> International ISHMT – ASTFE Heat and Mass Transfer Conference (IHMTC - 2019) at I.I.T., Roorkee, 28 <sup>th</sup> – 31 <sup>st</sup> December 2019	Mr. Mahmadrarik Choudhari Dr. Bajirao S. Gawali, Mr. Prateek Malwe
26	February &April 2020	Waste Heat Recovery from Exhaust Gas of an Engine by using aPhase Change Material (Accepted as Article in Press, Corrected Proof)	2 <sup>nd</sup> International Conference on Advances in Mechanical Engineering and Nanotechnology (ICAMEN - 2020), 28 <sup>th</sup> – 29 <sup>th</sup> February 2020, organized by Department of Mechanical Engineering, Manipal University Jaipur, India, Available online / Date ofPublication:15 <sup>th</sup> April 2020	Mr. Prateek Malwe, Mr. Ganesh S. Wahile, Dr. Ajay V. Kolhe

27	November 2020	Exergy Analysis of a Four Stroke Diesel Engine	Springer Nature Switzerland AG 2020; Proceedings of the 2nd International Conference on Advanced Technologies for Societal Applications - Volume 2 (Techno-Societal 2018),	Malwe P.D., Gawali B.S., Wahile G.S
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