

CURRICULUM VITAE

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|-----|--|--|----|---|----|---|----|--|---|--|
| 1. | Name | Dr. Ashish Manoria | | | | | | | | |
| 2. | Date of Birth | 25 - 04 -1975 (DD-MM –YYYY) | | | | | | | | |
| 3. | Designation | Professor | | | | | | | | |
| 4. | Degrees obtained with Field Institutions and dates | <table border="0"><tr><td style="vertical-align: top;">1</td><td style="vertical-align: top;">B.E. (Mech.) S.G.S.I.T.S, Indore (M.P.), June1998</td></tr><tr><td style="vertical-align: top;">2</td><td style="vertical-align: top;">M.E. (HONS) (Advance Production System.) S.A.T.I, R.G.P.V., Bhopal July 2004</td></tr><tr><td style="vertical-align: top;">3</td><td style="vertical-align: top;">Ph.D. R.G.P.V., Bhopal (2015)</td></tr></table> | 1 | B.E. (Mech.) S.G.S.I.T.S, Indore (M.P.), June1998 | 2 | M.E. (HONS) (Advance Production System.) S.A.T.I, R.G.P.V., Bhopal July 2004 | 3 | Ph.D. R.G.P.V., Bhopal (2015) | | |
| 1 | B.E. (Mech.) S.G.S.I.T.S, Indore (M.P.), June1998 | | | | | | | | | |
| 2 | M.E. (HONS) (Advance Production System.) S.A.T.I, R.G.P.V., Bhopal July 2004 | | | | | | | | | |
| 3 | Ph.D. R.G.P.V., Bhopal (2015) | | | | | | | | | |
| 5. | Date and designation of the first appointment | 13/04/1999 as Lecturer in Deptt. Of Mechanical Engg., S.A.T.I (Engg. College), Vidisha | | | | | | | | |
| 6. | Dates of Selection & Joining into higher designation | <table border="0"><tr><td style="vertical-align: top;">1</td><td style="vertical-align: top;">02/09/2004 as Sr. Lecturer in Deptt. Of Mechanical Engg. S.A.T.I (Engg. College), Vidisha</td></tr><tr><td style="vertical-align: top;">2</td><td style="vertical-align: top;">02/09/2009 as Reader in Deptt. Of Mechanical Engg. S.A.T.I (Engg. College), Vidisha</td></tr><tr><td style="vertical-align: top;">3</td><td style="vertical-align: top;">02/09/2012 as Associate Professor in Deptt of Mechanical Engg. SATI (Engg College) Vidisha</td></tr><tr><td style="vertical-align: top;">4</td><td style="vertical-align: top;">30/12/2015 as Professor in Deptt of Mechanical Engineering, S.A.T.I. (Engineering College) Vidisha</td></tr></table> | 1 | 02/09/2004 as Sr. Lecturer in Deptt. Of Mechanical Engg. S.A.T.I (Engg. College), Vidisha | 2 | 02/09/2009 as Reader in Deptt. Of Mechanical Engg. S.A.T.I (Engg. College), Vidisha | 3 | 02/09/2012 as Associate Professor in Deptt of Mechanical Engg. SATI (Engg College) Vidisha | 4 | 30/12/2015 as Professor in Deptt of Mechanical Engineering, S.A.T.I. (Engineering College) Vidisha |
| 1 | 02/09/2004 as Sr. Lecturer in Deptt. Of Mechanical Engg. S.A.T.I (Engg. College), Vidisha | | | | | | | | | |
| 2 | 02/09/2009 as Reader in Deptt. Of Mechanical Engg. S.A.T.I (Engg. College), Vidisha | | | | | | | | | |
| 3 | 02/09/2012 as Associate Professor in Deptt of Mechanical Engg. SATI (Engg College) Vidisha | | | | | | | | | |
| 4 | 30/12/2015 as Professor in Deptt of Mechanical Engineering, S.A.T.I. (Engineering College) Vidisha | | | | | | | | | |
| 7. | Other related experience Teaching Research, Industrial etc | <table border="0"><tr><td style="vertical-align: top;">1</td><td style="vertical-align: top;">Guided several B.E. level projects</td></tr><tr><td style="vertical-align: top;">2</td><td style="vertical-align: top;">Guided P.G. Dissertation</td></tr><tr><td style="vertical-align: top;">3</td><td style="vertical-align: top;">Guided P.G. Seminars</td></tr></table> | 1 | Guided several B.E. level projects | 2 | Guided P.G. Dissertation | 3 | Guided P.G. Seminars | | |
| 1 | Guided several B.E. level projects | | | | | | | | | |
| 2 | Guided P.G. Dissertation | | | | | | | | | |
| 3 | Guided P.G. Seminars | | | | | | | | | |
| 8. | Courses taught | Power Plant Engineering, Automobile Engineering, Computer Integrated Manufacturing, Robotics & Automation, Basic Mechanical Engineering | | | | | | | | |
| 9. | Laboratory Development Activities | Actively involved in establishing the Mechatronics Lab, Automobile Lab, Additive Manufacturing Lab | | | | | | | | |
| 10. | Institutional / Departmental Development Activities. | <table border="0"><tr><td style="vertical-align: top;">1.</td><td style="vertical-align: top;">Asth. Workshop Supdtt. From 28/04/2005</td></tr><tr><td style="vertical-align: top;">2.</td><td style="vertical-align: top;">Advisor Mechanical Engineering Society</td></tr><tr><td style="vertical-align: top;">3.</td><td style="vertical-align: top;">Member of Advisory Committee of NSS</td></tr></table> | 1. | Asth. Workshop Supdtt. From 28/04/2005 | 2. | Advisor Mechanical Engineering Society | 3. | Member of Advisory Committee of NSS | | |
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| 2. | Advisor Mechanical Engineering Society | | | | | | | | | |
| 3. | Member of Advisory Committee of NSS | | | | | | | | | |

SATI, Vidisha

4. Convener Executive Committee of Production Center SATI Vidisha
5. Member of Web Designing Committee to launch web site of Institute
6. Developed Computer Center of Central Work Shop
7. Developed Additive Manufacturing Lab as center of Excellence in the Institute
8. Departmental NBA Coordinator (Mechanical Engineering Department)
9. Co PI/c Additive Manufacturing Lab
10. Committee Member to establish and maintain Design Center under TEQIP III
11. Member, Departmental Purchase Committee under TEQIP III
- 12.. Coordinator IQAC
13. Member BoS Mechanical Engineering Department, S.A.T.I., Vidisha
14. Convener, Political Economy of India, 44th India Social Science Congress, held on 18/03/2021
15. Departmental NBA Coordinator
16. Member Central Committee for NBA
17. Member , Mechanical Engineering Department Examination Committee
18. Member Academic Council , S.A.T.I. Vidisha (2021-22)

11 Research guidance

1. Guided B.E. Final Year Level major project Work
2. Computer Software development project guided
3. Self M.E. Dissertation
4. Guided several M.E. Dissertation Annexure-I
5. Self Ph.D. work

- 12 **Membership in Scientific and Professional Societies**
1. Life member ISTE, New Delhi LM-53627 Year 2007
 2. Member, International Association of Engineers, (IAENG) Hong Kong. Member Number 167180
 3. Member SAEINDIA [7140512063]
 4. Senior Member, Institute of Research Engineers and Doctors (the IRED) (SNM10100055048)
 5. Fellow, The Institution of Engineers (India) F-121031-5
 6. Chartered Engineer (The Institution of Engineers (India)) No. 031357
 7. Member Global Initiative of Academic Networks (GIAN) Reg No. 2015150919461
- 13 **Contribution to Corporate Life and Management of the Institution**
- Assistant Workshop Superintendent.
 - Member of Mechanical Engineering Department CBCS committee.
 - Member of Procurement committee of Central Workshop.
 - Member of Procurement committee of Mechanical Engineering Department.
 - Member Industry Institute Interaction (I-I-I) Cell under TEQIP II.
 - Member of Committee to Finalize the B.E., M.E., MBA, & MCA time table for session July-Dec 2016.
 - Member Anti Ragging Committee of Institute.
 - I/c of Student Chapter of Institution of Engineers (India)
 - Member Programme Assessment Committee(PAC) of Mechanical Engineering Department for NBA
 - Course Coordinator for ME 1162 Automobile Engineering & ME1174 Power Plant Engineering
 - Member of NBA evaluation team of BE Mechanical Engineering Program

- Member Faculty & Staff Training (TNA) under TEQIP II
- Member Mechanical Engineering Department Industry Advisory Committee
- Faculty Advisor SATI Collegiate club of SAE India.
- Members of state –level Technical Committee of Directorate of Technical Education, Govt. of M.P.
- Coordinator Autonomy Valuation Cell
- Coordinator Departmental committee of NBA- SAR Preparation and NBA Team visit
- Co-PIC Additive Manufacturing Laboratory as Center of Excellence

14 **Residential Address & Contact Numbers**

HIG-91, Indira Complex,
 Vidisha, 464001 (M.P.)
 Tel: (Office) 07592-250821
 (Res) 07592 – 407929
 Mob 0-9425463722
 Email ashishmanoria@hotmail.com
 Web www.satiengg.org

List of M.E./ M.Tech Dissertation

S.No.	Title of Dissertation	Name of Student	Year of Submission
1.	Optimizing Rapid Prototyping Technology Replacing Roller Distribution System by Pneumatic Conveying System	Jinendra Gajbhiye	2007
2.	Improvement in Production Rate of Crank Case by high pressure Die Casting Machine using PQ ² Diagram	Susheel Malviya	2008
3.	Product Design and System Evaluation using Total Quality Management	Ganesh Kesheorey	2008
4.	Improving Overall Equipment Effectiveness through TPM Implementation	Pramod Kulshrestha	2008
5.	Balancing an Assembly Line by using Rank Positional Weight Technique: A Case Study at M/s Grind Master PVT. LTD. Aurangabad (M.S)	Vishwajeet Patil	October 2009
6.	To Develop Pneumatically Control PLC Based Automation System for CPT Funnel Coating	Raman Singh Dangi	October 2009
7.	Scheduling Mechanism for Dynamic Discrete Manufacturing	S G Borse	2010
8.	To Develop an Expert System Coded in C++, For Balancing An Assembly Line Using Ranked Positional Weight Heuristic Method	Dharmchand Vishvakarma	June 2011
9	Expert System Based on RPW Technique To Evaluating Multi Product Assembly Line Balancing Solution: A case Study at M/s Eicher Ltd. And M/s Surin Automobile Ltd.	Sachin Maheshwar	Dec 2011
10	Balancing an Assembly Line by Using RPW & Kilbridge – Wester Technique: A case Study at Eicher Motors Limited Pithampur	Piyush Nema	May 2012
11	Design and Analysis of Hot Spot in T joint in casting	Kumud Sonker	July 2012
12	Comparative Analysis of RPW and KW Method of Assembly Line Balancing : Case Study at M/s Eicher Motors Ltd.	Sandeep Kumar Mishra	April 2012
13	An approach to Scheduling of Automated Guided Vehicle (AGV) for Automated Material Distribution : A case study at M/s Eicher Motors Ltd.	Vipul Upadhayay	December 2012

14	“A Framework For Developing A Supply Chain Performance Measurement System For Improving Manufacturing Competitiveness: A Balanced Scorecard Approach ”	Durgesh Sharma	Feb 2013
15	Network Optimization in Supply Chain Management At Minimal Total Cost With Demand Satisfaction	Priyanka Jain	April 2013
16	Apriori Algorithm for Optimal Inventory Control In Supply Chain Management	Trupti Bajpai	March 2013
17	Decision making effect of Information Technology	Dhirendra Dubey	November 2013
18	Analysing The Effect of Lean Manufacturing Using Stream Mapping Based Simulation- A Case Study At Sigma Manufacturing Plant, Bhopal	Harmeet KAur Chhabra	(August-2015)
19	Efficiency Improvement Through Various Heuristic Assembly Line Balancing Method in Mahindra & Mahindra Two Wheelers Ltd. Pithampur and Design and Compare Assembly Line Layout on Plant Simulation Software	Madhu Lata Sharma	(August 2015)
20	Balancing the Assembly Line With Reduced Number of Work Station Using Largest Candidate Rule and Ranked Positional Weight Method – A Case Study	Keerti Bundela	May 2016
21	Reducing The Number Of Workstations And Increasing The Overall Efficiency Of An Existing Assembly Line Using New Heuristic Method Based On CPM- A Case Study At M/S Kirloskar Brothers Limited Dewas	Parudh Mah ajan	April 2016
22	The Comparison Of COMSOAL , Largest Candidate Rule Algorithm And Heuristic Ranked Positional Weight Technique In Type -1 Assembly Line Balancing Problem –A Case Study	Ankit Tomar	May 2016
23	Assembly Line Balancing The Comparison of Killbridge-Wester heuristic approach and Helgeson-Birnie approach and computing the analysis using MATLAB	Sachin Sen	December-2016
24	Analysing The Effect Of Lean Manufacturing Using Value Stream Mapping Based Simulation ; A Case Study At Indicus Venture Glass Processing Plant, Bhopal	Anupam Tiwari	Feb-2017
25	Analysis Of Various Influencing Factors On Tensile Strength And Yield Strength In Friction Stir Welding	Jyotsna Sanjay Prajapati	Oct-2017
26	Design & Analysis Of New Honeycomb And Corrugated Structure For Motor Cycle Helmet By Ansys And Comparison	Shubhank Nayak	October -2017

27	Constraint Management for Delivering The Projects on Time Using Theory of Constraints – A Case Study At Hindustan Platinum Pvt. Ltd. Navi Mumbai (Maharashtra)	Raghuraj Singh (0108ME14ME13)	June -2018
28	Effect Of Different Test Fixture Variables On After Treatment System Dynamics	Sakshi Chaturvedi	September 2018
29	Human spine MRI digital to 3D printing using FDM process of Additive Manufacturing	Vivek kumar Gautam	October 2018
30	Vibration Frequency Optimization Of Automobile Leaf Spring Using Different Angle Of Orientation Of Glass Fibre	Vandana Purohit	November 2018
31	Thermal Structural Analysis of Drum Brake using Finite Element Method	Shipra Garg	April 2019
32	Fractured Human Fibula bone of leg, MRI Digital to 3D printing using FDM process of Additive Manufacturing	Shivi Tripathi (0108ME17ME04)	September 2020
33	Study of Welded Parameters for Electron Beam Welding Process for SCRF Cavity using Simufact Weld Simulation Software	Vinay Namdeo (0108ME17ME06)	December 2020
34	Study And Analysis Success Factors of Lean Manufacturing Frame Work	Bhavani Sahu (0108ME19ME01)	August 2021
35	An Experimental Analysis of Design, Fabrication, and Quality Improvement Procedure in 3D printed Products	Sunil Kumar Dehariya (108ME19ME04)	December 2021
36	Process Parameter Optimization of Extrusion Process Using Taguchi Method	Vidya Malviya (0108ME15ME07)	May 2022
37	Process Parameter Optimization of ECAP Using Taguchi Method	Akanksha Jatav (0108ME15ME01)	June-2022
38	Design Optimization of B- Pillar of CAR	Ankur Kumar Rathore (0108ME15MT02)	June -2022

Details of Publication

1. Publication in International Journals

S.No.	Authors	Title	Year	Name of Journal	Vol No.	Page No.	CII
1.	Ashish Manoria, Sanjay Jain, Vishwajeet D Patil	Multi product Assembly Line Balancing Using Expert System	2008	International Journal of Engineering Research and Industrial Applications (IJERIA)	Volume 1 No. VII, 2008 ISSN 0974-1518	pp219-228	0.5190 http://www.ascent-journals.com/ijeria_Impact_factor.html
2.	Ashish Manoria, Yash Dave,	Enhancing Production Efficiency	2008	International Journal of Engineering Research and	Volume 1 No. VII, 2008	pp141-150	0.5190 http://www

	P L Verma, Dr. Lokesh Bajpai	Using Standardize d Work Practice: A case study		Industrial Applications (IJERIA)	ISSN 0974- 1518		w.ascent- journals.c om/ijeria_ Impact_fa ctor.html
3.	Ashish Manoria SG Borse, Lokesh Bajpai	Scheduling Mechanism For Single Machine Multi Item System	2009	International Journal of Engineering Research and Industrial Applications (IJERIA)	Volume 2 ,No.II, (2009) ISSN 0974- 1518	pp359 -370	0.5190 http://ww w.ascent- journals.c om/ijeria_ Impact_fa ctor.html
4.	Ashish Manoria, Dr. Lokesh Bajpai, Sachin Maheshwar	Expert system for Assembly Line Balancing for Multi Product	2011	CIIT International Journal of Artificial Intelligent System and machine Learning	Volume 3, No 7, July 2011 ISSN 0974 - 9667	PP 465 - 470	IF : 0.763 http://ww w.ciitresea rch.org/jou rnals.html
5	Ashish Manoria, Sandip kumar Mishra,Sach in Maheshwar	Expert System based on RPW Technique to Evaluating Multi Product Assembly Line Balancing Solution	2012	International Journal of Computer Applications (0975 – 8887) Volume 40– No.4, February 2012	Volume 40– No.4, February 2012 ISSN 0975 – 8887	PP 27-32	IF; 0.752 http://ww w.ijcaonli ne.org/ijc a- statistical- data
6.	Ashish Manoria, Sandip kumar Mishra	ASSEMBL Y LINE BALANCI NG BY RPW METHOD IN LANGUA GE C++	2012	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	ISSN 2249 – 6890 Vol.2, Issue 1 Mar 2012	PP 70-80	IF: 6.8765 http://ww w.tjprc.or g/journals .php?jtyp e=2&id= 67
7	Ashish Manoria, Piyush Nema Dr. Lokesh Bajpai	Heuristic Approaches to Solve the Assembly Line Balancing Problem Augmented by Expert System	2012	International Journal of Industrial Engineering and Technology. © International Research Publication House http://www.irphouse. com	ISSN 0974- 3146 Volume 4, Number 2 (2012),	pp. 107- 118	
8	Vipul Upadhayay, Ashish Manoria, Dr. Lokesh Bajpai	Electrical And Software Based Design Of Automated	2012	INTERNATIONAL JOURNAL OF MECHANICAL ENGINEERING AND TECHNOLOGY	ISSN 0976 – 6340 (Print) ISSN 0976 –	pp. 150- 161	Journal Impact Factor 9.2286 http://ww

		Guided Vehicle Using Sensor		(IJMET) www.iaeme.com/ijmet.html	6359 (Online) Volume 3, Issue 2, May-August (2012),		w.iaeme.com/ijmet/index.asp
9	Dr.Pankaj Agrawal, Ashish Manoria, Hemant Jain, Richa Thakur	Value Engineering of Micro Manufacturing using ECM And Its Application	2012	International Journal of Mechanical Engineering and Robotics Research (IJMERR)	ISSN 2278 – 0149 Vol.1 No. 2, July 2012	pp 111-120	
10	Dr.Pankaj Agrawal, Ashish Manoria, Richa Thakur Hemant Jain,	Advancement in Micro-Manufacturing using MEDM and Its Application	2012	International Journal of Mechanical Engineering and Robotics Research (IJMERR)	ISSN 2278 – 0149 Vol.1 No. 2, July 2012	pp 121 - 128	www.ijmerr.com
11	Deepika Jijotiya, Dr. P L Verma, Prof Sanjay Jain, Dr. L Bajpai, Prof A Manoria	Efficient Rapid Prototyping Mechanism Using Vaccum Casting (VC) Process	2013	International Journal of Emerging Technology and Advanced Engineering(IJETAE)	(ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 3, Issue 6, June 2013	Pp 610-619	
12	Madhulata Sharma, Dr. Lokesh Bajpai, Ashish Manoria, Keerti Bundela, Ankit Tomar	Balancing Mixed Ergonomics - Model Assembly Line to Reduce Work Overload In A Multilevel Production System	2014	International Journal of Application or Innovation in Engineering & Management (IJAIEM)	ISSN 2319-4847 Vol. 3, Issue 10, October 2014	pp 318-326	Impact Factor : 5.427 (2016) [ISRAJIF] http://www.ijaiem.org/
13	Harmeet K Chhabra, Ashish Manoria, Lokesh Bajpai	Manufacturing Production System Improved by Using Lean Tool With Simulation Modelling	2014	International Journal of Engineering Research And Management (IJERM)	ISSN : 2349 – 2058, Vol-01, Issue-09, December 2014	Pp 75-79	Impact Factor : 2.37 (2014-15) https://www.ijerm.com/

14	Parudh Mahajan, Ashish Manoria and Jyotsna Prajapati	Development and Trends in Assembly Line Balancing– A Review	2014	Journal of Material Science and Mechanical Engineering (JMSME)	Print ISSN: 2393-9095; Online ISSN: 2393-9109; Volume 1, Number 2; October-December, 2014	pp. 127-130	Impact Factor : 3.785 (2015) http://cosmosimpactfactor.com/page/journals_details/510.html
15	Harmeet K Chhabra, Ashish Manoria,	Improvement of Manufacturing Production Process Using Quality Value Stream Mapping	June-2015	International Journal of Engineering Research and Technology (IJERT)	ISSN: 2278-0181, Vol-04,- Issue -06, June-2015	Pp 197-202	Impact Factor : 2.85 (2014-15) https://www.ijert.org/for-authors/ijert-statistics-impact-factor
16	Sachin Sen, Ashish Manoria	Review Technique for Exploration of the Manufacturing Line for Improved Production	September -15	International Journal of Science and Research (IJSR)	ISSN (Online) : 2319-7064, Volume 4 Issue 9, September 2015	Pp 248-251	Impact Factor (2015) : 6.391 https://www.ijsr.net/
17	Parudh Mahajan, Ashish Manoria	Balancing The Line By using Heuristic Method Based on CPM in SALBP- A case study	December -2015	International Journal of Research in Engineering and Technology (IJRET)	eISSN: 2319-1163 pISSN : 2321-7308 Volume : 04 Issue :12, Dec-2015	Pp 76-80	Impact Factor : 3.935 (2015-16) https://www.ijret.org/ImpactFactor
18	Ankit Tomar, Dr. Ashish Manoria	Increasing Line efficiency with COMSOAL, RPW and LCR Methods of	January 2016	International Journal of Software & Hardware Research in Engineering	ISSN- 2347-4890 Volume 4 Issue 1 January, 2016	Pp 23-27	Impact Factor : 4.528 (2015) http://sjifactor.com/passport.ph

		Assembly Line Balancing Problem					p?id=1564
19	Raunak Gupta, Dr. P. L. Verma, Dr. Ashish Manoria, Dr. Lokesh Bajpai	Simplifying Six Sigma Methodology Using Shainin D.O.E	2016	International Journal of Advance Engineering and Research Development	e-ISSN (O): 2348-4470 p-ISSN (P): 2348-6406 Volume 3, Issue 3, March -2016	pp-363-368	Scientific Journal of Impact Factor (SJIF): 4.14
20	Sachin Sen, Ashish Manoria	Implementation on Line Balancing Techniques and Optimization of Technologies for Efficiency Improvement	April, 2016	International Journal of Research in Mechanical Engineering and Technology (IJRMET)	ISSN: 2249-5762 (online) ISSN : 2249 – 5770 (Print) Vol.6, Issue 1 Nov-2015-April 2016	Pp 67-70	Impact Factor : 0.857 (2014) http://www.ijrmet.com/
21	Dharmendra Gour, Dr. P L Verma, Ashish Manoria	An Effective Integration of various Influencing Criteria to Analyse the Best Supplier by Using Analytic Hierarchy Process in Supply Chain	October ,2016	IJournals: International Journal of Software & Hardware Research in Engineering	ISSN-2347-4890 Volume 4 Issue 10 October, 2016	Pp 15-23	Impact Factor 2015 : 4.528
22	Anupam Tiwari , Dr Ashish Manoria, Dr. P.L. Verma , Proff. Sanjay Jain	Analysing The Effect Of Lean Manufacturing Using Value Stream Mapping Based Simulation- A Case Study At Glass Processing Unit	Jan - 2017	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395 - 0056 p-ISSN: 2395-0072 Volume: 04 Issue: 01 Jan - 2017	Pp 817-823	Impact Factor value: 5.181 ISO 9001:2008 Certified Journal

23	Jyotsna Sanjay Prajapati, Dr.P.L Verma , Dr. Ashish Manoria	Impact of Different Process Parameters on the Strength of Welded Joint in Friction Stir Welding	June 2017	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 5 Issue VI, June 2017 IC Value: 45.98 ISSN: 2321-9653	PP 1140-1145	
24	Ashish Manoria, Shubhank Nayak	A Brief Review Of Using Corrugated Composite Sandwich And Hexagonal Honeycomb Plates For Helmets	June-2017	International Journal For Research Publication & Seminar	ISSN: 2278-6848 Volume: 08 Issue: 06		
25	Vivek Gautam, Dr. Ashish Manoria, Dr. P L Verma	Rapid Prototyping - A New Change In Manufacturing Technology	August -2017	International Journal of Advance Engineering and Research Development (IAERD)	e-ISSN (O): 2348-4470 p-ISSN (P): 2348-6406 Volume 4, Issue 8, August -2017	PP 645 - 648	Scientific Journal of Impact Factor (SJIF): 4.72
26	Dr. Ashish Manoria, Dr. P L Verma, Shubhank Nayak	Use of Corrugated Composite Sandwich and Hexagonal Honeycomb Plates for Helmets	September - 2017	International Journal for Scientific Research & Development (IJSRD)	ISSN (Online) : 2321-0613 Vol. 5, Issue 05, 2017	Pp 1472-1476	Impact Factor : 4.396 http://ijournals.com/impact_factor.jpeg IC Value : 64.81
27	Abhishek Dixit, Dr. Lokesh Bajpai, Dr. P.L. Verma, Dr. Ashish Manoria	Use Of LPG in 2-Stroke Engine and Calculate the Efficiency Using Engine of an Scooter	February 2018	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	ISSN: 2321-9653; Volume 6 Issue II, February 2018	Pp 453 - 458	IC Value: 45.98; SJ Impact Factor: 6.887
28	Raunak	Using Six	February	Six Sigma Forum	www.as	Pp 5-	

	Gupta, P.L. Verma, Sanjay Jain and Ashish Manoria,	Sigma And Shainin System Tools To Improve The Coating Process In The Manufacture Of Compact Fluorescent Lamps	ry 2018	Magazine "Lighting the way" American Society for Quality 600 North Plankinton Avenue Milwaukee, WI 53203 USA	q.org ISSN : 1539-4069	14	
29	Dr. Ashish Manoria, Prof. Sanjay Jain, Dr. P.L. Verma, Vandana Purohit	A Review: Vibration Frequency Optimization Of Automobile Leaf Spring Using Different Angles Of Orientation Of Glass Fiber	June-2018	International Journal of Advance Engineering and Research Development	e-ISSN (O): 2348-4470 p-ISSN (P): 2348-6406	Pp 258-262	Scientific Journal of Impact Factor (SJIF): 5.71
30	Shivkaran Gupta, P.L. Verma, Ashish Manoria, Sanjay Jain	Design and static structural analysis of hybrid leaf spring using fea	June-2018	International Journal for Research Trends and Innovation (IJRTI)	Volume 3, Issue 7 ISSN: 2456-3315	pp-26-39	Impact Factor: 4.87
31	Deeksha Sunaiya, Sandeep Jain, Dr Ashish Manoria	Study of Various Strains Calculated on a Crane Hook using FEA and Mathematical Data Analysis	August 2018	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 6 Issue VIII, August 2018 ISSN: 2321-9653;	Pp 111-115	IC Value: 45.98; SJ Impact Factor: 6.887
32	Vandana Purohit, Dr. Ashish Manoria, Prof. Sanjay Jain, Dr. Pankaj Agarwal	Vibration Frequency Optimization Of Automobile Leaf Spring Using 0°-90° Lay-Up Gfrp Leaf Spring	August 2018	International Journal of Technical Research & Science(IJTRS)	Volume 3 Issue VII, August 2018 ISSN No.: 2454-2024	Pp 243-248	Impact Factor : 1.425 Journal Citation Factor : 2.225 Journal Indexing Factor :

					(online)		6.725
33	Sakshi Chaturvedi, Pankaj Agarwal, Ashish Manoria	Effect of Different Test Fixture Variables on The After-Treatment System Dynamics: A Review	August 2018	International Journal for Science and Advance Research in Technology (IJSART) (International Peer Reviewed Open Access Journal)	Volume 4 Issue 8 – AUGUST 2018 ISSN [ONLINE]: 2395-1052	Pp 597-604	Impact Factor : 5.388
34	Sakshi Chaturvedi, Pankaj Agarwal, Ashish Manoria	Effect Of Different Test Fixture Variables On The After treatment System Dynamics	September 2018	International Journal of Advance Engineering and Research Development	Volume 5, Issue 9, September - 2018 e-ISSN : 2348-4470 p-ISSN : 2348-6406	Pp 17-26	Scientific Journal of Impact Factor (SJIF): 5.71
35	Shipra Garg, Neeraj Sen, Ashish Manoria	Thermal Structural Analysis Of Drum Brake Using Finite Element Method: Review	September 2018	International Journal for Science and Advance Research in Technology (IJSART) (International Peer Reviewed Open Access Journal)	Volume 4 Issue 9 – SEPTEMBER 2018 ISSN [ONLINE]: 2395-1052	Pp 105-107	IF : 5.388
36	Shivi Tripathi, Dr Ashish Manoria, Dr . Pankaj Agarwal	3D Printing of Fractured Fibula Bone of Human Leg	December 2019	International Journal of Engineering Research & Technology (IJERT)	Vol. 8 Issue 12, December-2019	Pp 444-446	
37	Shivi Tripathi, Dr Ashish Manoria, Dr . Pankaj Agarwal	A Review on: 3D printing in Spine Surgery	June 2020	Journal of Emerging Technologies and Innovative Research (JETIR)	Vol 7, Issue 6 ISSN : - 2349-5162		
38	Sunil Kumar Dehariya , Dr Ashish Manoria, Dr Pankaj Agarwal	A Review On Surface Imperfections in 3D Printed Products	April 2021	Journal of Emerging Technologies and Innovative Research (JETIR)	Volume 8, Issue 4 ISSN- 2349-5162	Pp 714-720	

39	Bhavani Sahua , Dr. Ashish Manoria , Dr. Sushant Tripathy	Application of Lean Tools in different Industries: A review	June-2021	Turkish Journal of Computer and Mathematics Education	Vol.12 No.13(2021), ISSN 2428-2435 e-ISSN 1309-4653	Pp 2428-2435	Scopus Indexed
40	Bhavani Sahua , Dr. Ashish Manoria , Dr. Sushant Tripathy	Analysis and prioritization of Lean manufacturing framework with multi-criteria decision-making approach	July-2021	Journal of Huazhong University of Science and Technology	Vol 50, Issue 7, ISSN-1671-4512	PP 01-10	Scopus Indexed
41	Sunil Kumar Dehariya , Dr Ashish Manoria, Dr Pankaj Agarwal	An Experimental Analysis of Design, Fabrication and Quality Improvement Procedure in 3D Printed Products	Oct. 2021	Design Engineering (Toronto)	SSN: 0011-9342 Year 2021 Issue: 7 Pages: 14647-14659	Pages : 14647-14659	Scopus Indexed SJR is 0.101
42	Ankur Kumar Rathore, Dr. Pankaj Agarwal, Dr. Ashish Manoria	Design Optimization of B-Pillar of Car	May-June, 2022	International Journal of Scientific Research & Engineering Trends	Volume 8, Issue 3, May-Jun-2022, ISSN (Online) : 2395-566X	Page No. 1-7	Impact Factor PIF:2.504 SCIF :3.24
43	Akanksha Jatav, Prof. Dr. Pankaj Agrawal, Prof. Dr. Ashish Manoria	Process Parameter Optimization Of Ecap Using Taguchi	May-2022	International Journal of Science, Engineering and Technology	ISSN (Online) : 2348-4098 ISSN (Print): 2395-	Page No. 1-4	Impact Factor <u>H-Index:</u> <u>4.0</u>

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2. Publication in National Journals

S.No.	Authors	Title	Year	Name of Journal	Vol No.	Page No.	CII
1.	Ashish Manoria, Mansuri Arif, P L Verma, Dr. Lokesh Bajpai	Six Sigma and theory of constraint for continuous improvement an integrated approach: a case study of spinning mill	2007	Udyog Pragati, National Institute of Industrial Engineering (NITIE)	Vol31, No.1	pp35-42	
2.	Ashish Manoria, J Gajbhiye, Dr. P L Verma, Dr. Lokesh Bajpai	Optimizing Rapid Prototyping Technology – Replacing Roller Distribution System by Pneumatic Conveying System	2010	Institute of Engineers (I) Journal-MC	Vol, 91	pp 27-30	
3	Vandana Purohit, Dr ashish Manoria, Sanjay Jain, Pankaj Agarwal	Vibration Frequency Optimization Of Automobile Leaf Spring Using Different Angle Of Orientation Of Glass Fibre	2018	Annual Technical Volume of Mechanical Engineering Division Board, Vol III, 2018, Institute of Engineers (India)	Vol III,	Pp 86 - 96	

3. Publication in International Conference

S.No.	Authors	Title	Year	Name of Conference	Vol No.	Page No.	CII
1	Ashish Manoria Sandeep Jain, Dr. Lokesh Bajpai, Dr. P M Bhandari	Assembly Line Balancing by Expert System	2005	14 th ISME International Conference on Mechanical Engineering in Knowledge Age, held at Delhi College of Engineering, Delhi (India) ISBN 81-88901-21-0		369	
2.	Ashish Manoria, Vishwajeet D Patil, Sanjay Jain, Dr. Lokesh Bajpai	Internet Based Manufacturing – An Emerging Manufacturing Process to Increase Productivity and Efficiency	2006	International Conference on Global Manufacturing and Innovation”, Organized by “Coimbatore Institute of		18	

				technology, Coimbatore (India)			
3	Ashish Manoria, Sachin Jain, Sandeep Jain, Dr. Lokesh Bajpai	Multipurpose Mechatronics Kit for Diagnosis	2006	do		156	
4	Ashish Manoria, P.L.Verma, Sandip Kumar Mishra	A New Approach of Assembly Line Balancing using Rank Positional Weight Method coded in C++	2011	International Conference on Industrial Engineering (ICIE 2011) Organized by Department of Mechanical Engineering, S.V. National Institute of Technology, Surat In Association with Indian Institution of Industrial Engineering (IIE), NHQ-Mumbai			
5	Ashish Manoria , Sandip Kumar Mishra	Reducing the Workstations by balancing the assembly line through Kilbridge Wester Method (KWM) for Type-1 probleme for MCV: Case study at Eicher Motors Ltd.	2013	3 rd . International conference on Production and Industrial Engineering (CPIE 2013) held at Dr. B R Ambedkar National Institute of Technology Jalandhar (India) from March 29 - 31,2013			
6	Ashish Manoria , Sandip Kumar Mishra & Sanjay Jain	Balancing The Assembly Line (Optimize the Smoothness Index) by Rank Positional	2013	International conference on Advances in Mechanical Engineering (ICAME) Organized as a part of			

		Weight Method For Type 1 Problem: Case Study at Eicher Motors Ltd. (MCV)		centenary celebrations of Department of Mechanical Engineering, College of Engineering, Pune (India) from 29 th . May to 31 st . May, 2013			
7	Ashish Manoria Chandra Pal Singh , & Sanjay Katarey	Emerging Trends in Renewable Resources In India	2013	Workshop on Advances in Energy Engineering & Technology Organized by Department of Mechanical Engineering IIT (BHU) Varanasi from 28 to 30 June 2013			
8	Ashish Manoria, Sandip Kumar Mishra and Sanjay Jain	Optimize the Line Efficiency by Balancing the Assembly Line through Rank Positional Weight Method (RPW) for Type -1 Problem for Medium Commercial Vehicle: Case Study at Eicher Motors Ltd	2013	International Conference on Smart Technologies for Mechanical Engineering, (STME-2013) organized by Department of Mechanical and Production Engineering , Delhi Technological University, Delhi from 25 & 26 October,2013			
9	Ashish Manoria, Sandip Kumar Mishra	Optimize The Smoothness Index In Assembly Line Balancing Through Kilbridge Wester Method for Type One Problem for Medium	2013	2 nd . International Conference on Industrial Engineering (ICIE-2013) organized by Department of Mechanical Engineering, S V National Institute of Technology ,			

		Commercial Vehicle: A Case Study at Eicher Motors Limited, Indore (M.P.)		Surat from November 20-22, 2013			
10	Lokesh Bajpai , Ashish Manoria, Sandeep Mishra	Optimize the Workstations by Balancing the Assembly Line through Rank Positional Weight Method (RPW) for Type -1 Problem for Medium Commercial Vehicle: Case Study at Eicher Motors Ltd	2013	2nd International Conference on Intelligent Robotics, Automation and Manufacturing (IRAM 2013) organized by Department of Mechanical Engineering, IIT Indore from 16 to 18 December, 2013			
11	Ankit Tomar, Ashish Manoria	Comparative Analysis of Ranked Position Weighted Method and Largest Candidate Rule Method for Assembly Line Balancing – A Case Study	November 2015	57 th National Convention of Indian Institution of Industrial Engineering & 3 rd International Conference on Industrial Engineering ICIE 2015 Organized by Indian Institution of Industrial Engineering (IIIE), NHQ – Mumbai And S V National Institute of Technology, Surat	ISBN : 978-93-84935-56-6	550-553	
12	Ashish Manoria & Sandip Kumar Mishra,	Comparison of Delay Period by Balancing the Assembly Line through Rank Positional	March - 2017	International Conference on Design, Materials & Manufacturing Concerns in Production of		306-309	

		Weight (RPW) & Kilbridge Wester Method for Type -1 Problem for Medium Commercial Vehicle: Case Study at Eicher Motors		Quality Engineering Goods March 27-29, 2017 Department of Mechanical Engineering, School of Engineering, HBTU Kanpur			
13	Vivek Kumar Gautam, Dr. ashish Manoria, Dr. P L Verma	3D Printing – A New Change in Manufacturing Technology	16 th April 2017	Proceeding for International Conference on Emerging Trends in Engineering and Technology organized by Institute for Technical and Academic Research	ISBN : 9788192958039	Pp 56-59	
14	Sanjay Katarey, Ashish Manoria, Jitendra Parashar	NBA Accreditation Process : Some Fine Tuning Measures	7 th to 9 th September, 2018	Proceeding on 4 th world Summit on Accreditation (WOSA 2018) “Challenges & Opportunities in Outcome Based Accreditation” organized by National Board of Accreditation in accocaites of AICTE, ISTE			

4. Publication in National Conference

S.No.	Authors	Title	Year	Name of Conference	Vol No.	Page No.
1.	Ashish Manoria C P Singh, Sandeep Jain	Analysis of vibration behavior of drilling machine	2006	National Conference on Advances in CAD / CAM organized by Deptt. Of Mechanical Engineering Jawaharlal Nehru Technology University, Kakinada		1-7
2.	Ashish Manoria Sandeep	Energy Audit & Management : A case study	2006	National Seminar on Energy Conservation & Environmental		19

	Jain, Sanjay Katrae			Management for Sustainable development of process industries organized by Institute of Technology, Guru Ghasidas University Bilaspur	
3.	Ashish Manoria, Mahesh Rawlani, Sandeep Jain, Suresh Kushwa	The Influence of Newly Developed Ultra High Molecular Weight Polyethylene (uhmwpe) Alumina Ceramic Composite	2006	National Conference on Advances in Mechanical Engineering” Organized by Deptt. Of Mechanical Engineering, Engineering College Kota (Raj.)	19
4.	Ashish Manoria G Suresh Babu, Dr. Lokesh Bajpai	An Exploratory study to improve the implementation of FMS” at National Conference on Advances in Mechanical Engineering	2006	Do	29
5.	Ashish Manoria Rajesh Panchare, P L Verma, Sandeep Jain	Probleme detection and their remedies using SPC Tools: A case study	2006	Do	46
6.	Ashish Manoria, M M Patil, Dr. Lokesh Bajpai	The Role of Ergonomics in Motorcycle conspicuity and Traffic Accidents	2006	Do	48
7.	Ashish Manoria Vishwajeet D Patil, Sandeep Jain, Sanjay Jain	CAD / CAM integrated system in Shared development Environment	2006	National Conference on Rapid Prototyping Applications NCRP-2006 organized by Deptt. Of Mechanical Engineering , Visvesvaraya National Institute of Technology, Nagpur	36

8.	Ashish Manoria Jinendra Gajbhiye, Dr. Lokesh Bajpai	Genetic Algorithms for Artificial Neural Net Based Condition Monitoring System Design for rotating Mechanical System	2006	All India Seminar on Condition Monitoring & Vibration Analysis, jointly organized by The Institute of Engineers (India) MP State Center and University Institute of Technology	01
9.	Ashish Manoria Sandeep Jain	Condition Based Maintenance System – Technical Design	2006	Do	13
10	Ashish Manoria	Application of IT in Technical Education : A Case Study	2006	Excellence 2006 the National level Technical Symposium, organized by KCE Society, College of Engineering and information Technology, Jalgaon	
11	Ashish Manoria	Optimization of Rapid Prototyping Technology by using Pneumatic Powder Deposition System (in context of SLS machine)”	2007	Engineering Design.in 2007 organized by Centre for product Design & Manufacturing, Indian Institute of Science , Bangalore	
12	Ashish Manoria	Optimizing Rapid Prototyping Technology replacing roller distribution system by Pneumatic C conveying system	2009	National Conference on Rapid Prototyping and Manufacturing (RPM 2009) Organized by Deptt. Of Mechanical Engineering, RV College of Engineering, Bangalore	
13	Ashish Manoria, K C Kori	Energy saving by Use of Power Plant Waste”	2011	National Conference on Issues and Challenges in Technology and Management, Organized by VITS, Jabalpur	70
14	Ashish Manoria Satish Borse Sandeep Jain Dr. Lokesh Bajpai	Scheduling Mechanism for Dynamic Discrete Manufacturing	2007	13 th . National Conference on Mechanism and Machines (NaCoMM07) IISc. Bangalore	064
15	Ashish	Performance	2011	National Conference on	15

	Manoria Tripti Bajpai	Evaluation through Statistical Quality Control		Recent Advancement in Mechanical Engineering(NCRAME- 2011)” organized by Department of Mechanical Engineering, SR Group of Institutions Jhansi on 02 & 03 December ,2011		
16	Ashish Manoria, Vipul Upadhaya, & Lokesh Bajpai	Scheduling of Automated Guided Vehicles with the help of Genetic Algorithm	2011	National Conference on Recent Advancement in Mechanical Engineering(NCRAME- 2011)” organized by Department of Mechanical Engineering, SR Group of Institutions Jhansi on 02 & 03 December ,2011		263
17	Vipul Upadhayay, Prof. Ashish Manoria, Dr. Lokesh Bajpai	Minimize the make Span Time of Automated Guided Vehicle With The Help of Flexible Manufacturing System	2012	National Conference on Recent Advances in Mechanical Engineering and Their Impact on Indian Industries” organized by Department of Mechanical Engineering, PDA College of Engineering, Gulbarga- 585102 on 20 – 22 September,2012		43
18	Madhulata Sharma, Ashish Manoria, Keerti Bundela	Comparative Study of Assembly Line Balancing Using Various Hyuristic Methods in an Electronic Industry	May 2015	National Conference on “Recent Advances in Manufacturing (RAM- 2015)” Organized by Department of Mechanical Engineering , SVNIT, Surat		390-394
19	Neeraj Kumar Patidar, Sanjay Jain, Dr. Ashish Manoria	3D Printing of Building Components and Building as the future of Construction	16-February- 2017	TEQIP II Sponsored National Conference on Innovative Research in Engineering & Science, Organized by Mechanical Engineering Department , Samrat Ashok Technological Institute, Vidisha ISBN No. 978-93- 82346-18-0		218-222
20	Sandip	Problem	06	National Conference On	IJR	

	Kumar Mishra, Dr Ashish Manoria	Formulation and Optimization of Assembly Line Balancing (ALB) in Automated Manufacturing System	October, 2017	Emerging Trends in Manufacturing & Automation Engineering, (NCMAE-2017), Organized by Department of Mechanical Engineering, Amity School of Engineering and Technology, AMITY UNIVERSITY MADHYA PRADESH Gwalior	ASE T; ISSN - 2321 - 9653	
21	Vivek Kumar Gautam, Dr. Ashish Manoria, Dr. P L Verma	3D Metal Printing in Manufacturing Technology	05 -06 October, 2018	Proceedings of TIME-2018 National Conference on Trends and Innovations in Mechanical Engineering-2018 Quantum University, Roorkee		Pp 359-366
22	Shivi Tripathi, Dr. Ashish Manoria, Dr. Pankaj Agrawal	Additive Manufacturing in Dentistry	May-2019	Proceedings in National Conference Titles "Modern Tools in Engineering" organized by mechanical engineering department SATI Vidisha under Twinning agreement with VNIT Nagpur	ISBN No. 978-93-82346-25-8	Pp 48-51
23	Vinay Namdeo, Dr. Ashish Manoria, Dr. Pankaj Agrawal	Additive Manufacturing : Issues in Making and Marketing	May-2019	Proceedings in National Conference Titles "Modern Tools in Engineering" organized by mechanical engineering department SATI Vidisha under Twinning agreement with VNIT Nagpur	ISBN No. 978-93-82346-25-8	Pp 77-81

5. List of Summer / Winter School / International/ National / Conferences / Training / Programme attended

1. New Building Materials and Cost Effective Construction Techniques” Staff Development Scheme Sponsored by AICTE and conducted by Civil Engg. Deptt., SATI (Engg college), Vidisha from 29th. Jan to 17th. Feb, 2001 (03 weeks)
2. Alternative Fuels Emissions and Latest Advances in Internal Combustion Engines” short term course conducted by Deptt. Of Mechanical Engg, IIT Kanpur from Dec, 23-28, 2002 (one week)

3. Faculty Development Program under the sponsorship of DST, Govt. of India, New Delhi conducted by EDC Section, SATI (Engg College), Vidisha From Feb.21 to March 04,2005 (03 weeks)
4. 14th ISME International Conference on Mechanical Engineering in Knowledge Age, held at Delhi College of Engineering, Delhi (India)
5. “Excellence 2006” the National Level Technical Symposium organized by KCE Society’s College of Engineering & Information Technology Jalgaon (Maharashtra) on 14 Feb, 2006
6. National Conference on Advances in CAD / CAM organized by Deptt. Of Mechanical Engineering Jawaharlal Nehru Technology University, Kakinada on 27 & 28 February 2006
7. International Conference on Global Manufacturing and Innovation GMI2006”, Organized by “ Department of Mechanical Engineering, Coimbatore Institute of technology, Coimbatore (India) on 27 to 29 July 2006
8. 13th. National Conference on Mechanism and Machines (NaCoMM07) organized by Indian Institute of Science(IISc),Bangalore on December 12 to 14, 2007
9. “Recent Trends in Industrial and Production Engineering” AICTE/MHRD sponsored Two weeks summer school conducted by Department of Applied Mechanics, MANIT Bhopal (30 June-12 July 2008) (02 week)
10. Recent Trends in Industrial and Production Engineering (RTIPE)” Winter school organized by Department of Industrial and Production Engineering, SGSITS Indore on 10-14 Nov. 2008 (01 week)
11. “Knowledge Management: Issues & Challenges” AICTE SPONSORED Short Term Training Programme organized by the Department of Mechanical Engineering, S.V. National Institute of Technology, Surat, Gujarat on January 04 – January 08, 2010 (01 week)

12. National Conference on Recent Advancement in Mechanical Engineering(NCRAME-2011)” organized by Department of Mechanical Engineering, SR Group of Institutions Jhansi on 02 & 03 December ,2011
13. “Software Development Techniques for Teachers of Engineering and Science Institute” ISTE workshop under the National Mission on Education through ICT conducted by IIT Bombay from November 5th ,2011 to December 4th .,2011 (02 Weeks)
14. 3rd. International conference on Production and Industrial Engineering (CPIE 2013) held at Dr. B R Ambedkar National Institute of Technology Jalandhar (India) from March 29 -31,2013
15. International conference on Advances in Mechanical Engineering (ICAME) Organized as a part of centenary celebrations of Department of Mechanical Engineering, College of Engineering, Pune (India) from 29th. May to 31st. May, 2013
16. International Conference on Smart Technologies for Mechanical Engineering, (STME-2013) organized by Department of Mechanical and Production Engineering , Delhi Technological University, Delhi from 25 & 26 October,2013
17. 2nd International Conference on Intelligent Robotics, Automation and Manufacturing (IRAM 2013) organized by Department of Mechanical Engineering, IIT Indore from 16 to 18 December, 2013
18. International Lecture on “Engine Failure Investigation and Analysis” organized by SAEINDIA , Pune on December 04 & 05 , 2014
19. Workshop on Computer Integrated Manufacturing Conducted under Continuing Education Programme by IIT Gandhinagar from April 30 to May 2,2015
20. Management Development Programme on “Academic Leadership Programme for TEQIP Institutions” from June 22-27,2015 conducted by Indian Institute of Management , Kozhikode
21. One week GIAN Course on “3D Printing and Additive Manufacturing” Course Code No. 151036L03 Organized by Department of Mechanical Engineering, National Institute of Technology, Warangal during 20 to 24 June, 2016.

22. Participated in BAJA SAEINDIA 2017, organized by SAEINDIA at Chitkara University, Punjab on 14th and 15th July 2017.
23. Attended one day seminar on “NI Engineering Education & Research Seminar” organized by NI Instruments, Bangalore at Radisson Blu , Indore on 27 November 2017.
24. Two days NPIU workshop on “Outcome Based Education” organized at Samrat Ashok Technological Institute, Vidisha on 23 & 24 February, 2018.
25. Visited M/s Divide By Zero Technologies, Mumbai on 6th July 2018 for Pre-Dispatch Inspection of AION 500 MK2 3D Printer, ACCURAFT 1250D 3D Printer and Einscan SE 3D Scanner purchase under TEQIP III for establishing of Additive Manufacturing Laboratory
26. Participated in Virtual BAJA SAEINDIA 2018, organized by SAEINDIA at Chitkara University, Punjab on 14th July 2018
27. Participated in Virtual BAJA SAEINDIA 2019, organized by SAEINDIA at IIT Ropar, Punjab From 7th March to 10th March,2019
28. Participated in Short Term Course on “Implementation of Ergonomics in Manufacturing Industries” Conducted by Department of Design IIT Guwahati under TEQIP III sponsored by Ministry of Human Resource Development , Government of India held on November 24th – 28th ,2019
29. Visited M/s Sparkonix (India) PVT LTD., Pune on 6th December to 8th December,2019 for Pre- Dispatch Inspection of Spark Erosion Machine (ZNC) purchase under TEQIP III for developing Non Conventional Machining Lab
30. Attended live **online** training programme on ” **Implementing Industry 4.0 in India**” on 29/04/2020 organized by Indian Machine Tool Manufacturer Association (IMTA) Technology Centre
31. Attended **webinar** on “**Smart Manufacturing**” by Dr. Bhupesh Kumar Lad, Associate Professor, IIT , Indore ,organized by Department of Industrial and production Engineering, SGSITS, Indore on 1st June , 2020

32. Attended one day **webinar** on “**Role of IQAC in Institute of Higher Education**” organized by Internal Quality Assurance Cell (IQAC), BLDEA’s Vachana Pitamaha Dr. P G Halakatti College of Engineering and Technology Vijayapur 586103
33. Attended 5 days AICTE Training and Learning (ATAL) Academy **online** FDP on “**3D Printing & Design**” from 15/06/2020 to 19/06/2020 at NIT Warangal
34. Successfully completed the national level quiz on “3D Printing” organized by department of Mechanical Engineering, Vishnu Institute of Technology, Vishnupur,, Bhimavaram, W.G. District, A.P-534202, India conducted on 7/13/2020 and secured of 75%.
35. Attended 2nd One Week International Faculty Development Program – ONLINE on "Role of Materials and Processing in Additive Manufacturing: 3D Printing to Industry-2020", from 19th - 24th July 2020 organized by Department of Mechanical Engineering, GLA University, Mathura in association with Indian Institute of Metals (IIM), Mathura Chapter.
36. Participated in Online Panel Discussion on ***Making Mentoring Relevant: NEP 2020 Perspective*** conducted by NITTR Bhopal, Chandigarh, Chennai Kolkata (Ministry of Human Resource Development, Govt. of India) on 21/09/2020
37. Participated in five days online FDP on “**Renewable Energy Sources and Future Energy Needs**” organized by Department of Mechanical Engineering , Madhav Institute of Technology & Science, Gwalior sponsored by TEQIP III, in collaboration with Twinning Partner Delhi Technological University, Delhi from February 15 – 19, 2021
38. Participate in 15th Lecture On “**Digital Innovation And Smart Manufacturing: Industry 4.0 And Beyond**” II 19th July 2021 organized by Society of Indian Automobile Manufacturer (SIAM), Core 4-B, 5th Floor, India Habitat Centre Lodhi Road, New Delhi – 110003
39. Participate in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Additive Manufacturing: Programming, Operation & Applications" from 20/09/2021 to 24/09/2021 at Dr. BR Ambedkar National Institute of Technology Jalandhar.

6. Expert Lectures Delivered

1. Keynote speaker in National Conference on **Recent Advancement in Mechanical Engineering(NCRAME-2011)**” organized by Department of Mechanical Engineering, SR Group of Institutions Jhansi on 02 & 03 December ,2011
2. Expert Lecture on **Computer Integrated Manufacturing** in Government Engineering College Rewa (M.P.)
3. Resource Person for Faculty Development Programme on **Robotics and Automation** from 13th – 17th January 2020 under E & ICT Academy , IIITDM Jabalpur (An initiative of Ministry of Electronics and Information Technology, Government of India), Organized by Department of Mechanical Engineering , SIRT, SAGE University , Indore. Deliver expert lecture on 15/01/2020
4. Resource Person for one week Short term course on “**Advanced Trends in Manufacturing & Material Characterization**” from 24th February to 28th February .2020 under TEQIP III Organized by Department of Mechanical Engineering, Institute of Engineering and Technology, Bundelkhand University. Jhansi. Deliver expert lecture on 25/02/2020
5. Key note speaker on 05/03/2020 for 2 days Short term training program on “**Advancement in Frugal Science, Engineering And Technology**” sponsored by Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal under TEQIP III (05-06 March,2020) organized by Shri Dadaji Institute of Technology & Science, Khandwa 450001 (MP)
6. Delivered an Expert session on “**Additive Manufacturing and Covid-19 Pandemic**” as Guest Speaker under SAGE Talk Series on 30th June, 2020 at SIRT SAGE group of institutions, Bhopal
7. Delivered an Expert session on “**Role of Additive Manufacturing in Covid-19 Pandemic**” as Guest Speaker under SAGE Talk Series on 6th July, 2020 at SAGE Indore, SAGE group of institutions
8. Resource person in one day webinar on “**Additive Manufacturing (AM) :A new era in Manufacturing** ” sponsored by TEQIP III organized by department of

mechanical engineering , Indira Gandhi Engineering College, Sagar (MP) on
16/09/2020

9. Deliver Expert Lecture on “**Recent trends in Engineering**” in Induction Program for Ist Sem B.Tech students at UIT RGPV Shahdol (M.P.) on 27/11/2020
10. Deliver Expert Lecture on topic “**Additive Manufacturing : A new era in manufacturing**” in Lecture series on Trends in Technological Advancement Organized by Technical Events Cell, Parul University, Vadodara on 21/01/2021
11. Deliver Expert talk on topic “**Additive Manufacturing : A new era in manufacturing**” in Atal Academy, AICTE Sponsored, Faculty Development Programme (FDP) on “**Design Thinking**” from June-1 to June-5, 2021 Organised by Department of Mechanical Engineering, Gyan Ganga Institute of Technology and Science (GGITS), Jabalpur (M.P.)
12. Deliver Expert session on “**Additive Manufacturing and 3D Printer**” as guest speaker under summer school on 7th and 8th June,2022 at Department of Mechanical Engineering SAGE University, Indore