**STTP/FDP attended:**

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| **SN** | **Title of STTP/FDP** | **Duration with Date** | **Institute/Place** |
| 1 | ISO 9001:2000 QMS Internal Auditors training  | 2-3 Dec 2005 | SQMS Nagpur  |
| 2 | Faculty development workshop  | 11-12 March ,2006 | YCCE |
| 3 | Teaching effectiveness  | 20.06.2003-01.07.2003 | YCCE |
| 4 | Unigraphics NX-4 software | 12-13 December 2006 | G.H.Raisoni college of Engineering |
| 5 | TEQIP training on conduction of tracer study of passouts | 8.11.2006-10.11.2006 | NITTR ,Bhopal |
| 6 | National level course on Industrial Automation | 19-23 June ,2006 | VIT ,Pune |
| 7 | Under Indo US collaboration :Teaching Engineering using MATLAB and SIMULINK  | 12.07.2010-14.07.2010 | Jaypee University of Information technology,Solan ,HP |
| 8 | Dynamics of management in 21st century | 27-28 February ,2006 | XLRI ,Jamshedpur |
| 9 | Advanced optimization through intelligent techniques  | 14-18 May,2012 | SVNIT ,Surat |
| 10 | ISTE STTP on Engineering mechanics | 26.11.2013-06.12.2013 | IIT,Bombay |
| 11 | ISTE STTP on Heat Transfer | 29.11.2011-10.12.2011 | IIT,Bombay |
| 12 | ISTE STTP on Engineering thermodynamics | 11.12.2012-21.12.2012 | IIT,Bombay |
| 13 | ISTE STTP on Akash for Education | 10.11.2012-11.11.2012 | IIT,Bombay |
| 14 | ISTE STTP on Introduction to research methodologies –for coordinators | 09.06.2012-15.06.2012 | IIT,Bombay |
| 15 | CEP workshop for coordinators on introduction to research methodologies  | 13.06.2012-15.06.2012 | IIT,Bombay |
| 16 | NX CAM ,Factory CAD,Robcad  | 15.07.2014-25.07.2014 | Deisgntech academy,Pune |
| 17 | Turning and Milling | 28.04.2014-02.05.2014 | MTAB ,Chennai |
| 18 | Academic interface program | 13.09.2014 | Tata consultancy Services  |
| 19 | FEA using Hypermesh and Optistruct | 04.04.2014-05.04.2014 | YCCE and CAD CAM Guru Pune |
| 17 | NX-CAM | 23.04.2014-26.04.2014 | Deisgntech academy,Pune |
| 18 | Mechanical Manufacturing system and analysis using MATLAB | 6.12.2018-11.12.2018 | VNIT ,Nagpur |
| 19 | Analysis of modern manufacturing system  | 07.01.2019-11.01.2019 | IIT ,Bombay |

**Conference / Seminar / Workshop attended**

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| **SN** | **Title of Conference / Seminar / Workshop** | **Duration with Date** | **Institute/Place** |
| **1** | Engineering and Science Innovation summit | 2.08.2014 | IEI Nagpur in association with National Instruments Pune |
| **2** | All India seminar on Organizational performance improvement techniques | 18-19 March 2006 | IEI Nagpur |
| **3** | Funding opportunities for research  | 27.04.2013 | YCCE |
| **4** | National workshop on Latex | 20.10.2012 | TGPCET ,Nagpur |
| **5** | Intellectual Property rights | 07.01.2012 | YCCE |
| **6** | Skilling tomorrows Engineers with advanced product development capabilities | 21.01.2017 | G square Tech system Pvt. Ltd. |

# **Total research publications:**

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| --- | --- | --- | --- |
| **SN** | **Title of Paper** | **Details about Journal/Conference** | **Place/Date** |
| 1 | Neural Network-Based Prediction of Productivity Parameters | Advs in Intelligent Syst., Computing, Vol. 583, Millie Pant et al: SOFT COMPUTING: THEORIES AND APPLICATIONS, 978-981-10-5686-4, 430883\_1\_En (8) Springer | Doi.org/10.1007/978-981-10-5687-1\_8(Scopus Indexed) |
| 2 | The Effect of Various Parameterson the Nozzle Diameter and 3D PrintedProduct in Fused Deposition Modelling:An Approach | Lecture Notes in Networksand Systems 46, Springer  | https://doi.org/10.1007/978-981-13-1217-5\_83(Scopus Indexed) |
| 3 | Experimental investigation of a passive direct ethanol fuel cell | International Journal of Ionics The Science and Technology of Ionic Motion ,Springer (SCI Indexed) | DOI: 10.1007/s11581-018-2797-7 |
| 4 | "Simulation enhanced value stream mapping to implement lean manufacturing system for explosive carrying bag manufacturing industry -A case study" | Journal of Manufacturing Technology Management.Emrald(Scopus Indexed) | ISSN: 1741-038X |
| 5 | “Neural NetworkBased Modeling of Time Optimal Interpolation of Non-linear Trajectory ” | Materials Today: Proceedings ,Elsevier (Scopus Indexed) | Materials Today: Proceedings 5 (2018) 7981–7990 |
| 6 | Design and evaluation of a Lean Manufacturing framework using Value Stream Mapping (VSM) for a plastic bag manufacturing unit. | Materials Today: Proceedings ,Elsevier (Scopus Indexed) | Materials Today: Proceedings 5 (2018) 7981–7990 |
| 7 | Effect of Ethanol Concentration and Cell Orientation on the performance of passive direct ethanol fuel cell | IEEE Explore (Scopus Indexed) | DOI :10.1109/ICIINFS.2016.8262938 |
| 8 | “Neural network based modelling and optimization of manufacturing of welding electrodes” | IVth International Conference onProduction &amp; IndustrialEngineering (CPIE-2016)NIT , Jalandhar  | December 19-21,2016 |
| 9 | Open Architecture Control for CNC System – An Approach | International Journal of Engineering & Technology (Scopus Indexed) | 2018 |
| 10 | Integration of Robo-Analyzer for Forward and Inverse kinematics of 6 DOF Robot To Check Flexible DH Parameters. | International Journal of Engineering & Technology(Scopus Indexed) | 2018 |
| 11 | Findings of Performance Evaluation of EDM for Different Materials of Electrodes andWork Pieces- A Review | International Journal of Engineering & Technology(Scopus Indexed) | 2018 |
| 12 | Development Of SPM For Automation In Sheet-Metal Disc Teeth Cutting Operation | 5th International &amp; 26th All India Manufacturing Technology, Design and Research Conference  | (AIMTDR 2014) December 12th–14th, 2014, IIT Guwahati, Assam, India |
| 13 | Mathematical modeling to minimize the cycle time of corrugated sheet box industries using regression analysis | International Journal of mechanical engineering and research and robotics research | (ISSN 2278-0149) |
| 14 | "Corrugated Box Production Process Optimization Using Dimensional Analysis and Response Surface Methodology" | International Journal of Engineering Science & Advanced Technology(ISSN 2250-3676) | (ISSN 2250-3676) |
| 15 | The Impact of dimensional analysis on corrugated sheet manufacturing process using Buckingham Pi theorem | International journal of Engineering science and innovative technology (ISSN 2319- | (ISSN 2319-1245) |
| 16 | Design and simulation of powder coating operation using kawasaki kf 121 robot  | International Journal of Research in Engineering & Applied Sciences ,ISSN: 2249-3905 | ISSN: 2249-3905 |
| 17 | Design and analyses of composites drive shaft using Ansys and Genetic algorithm:A critical review | International journal of modern engineering research | IJMER ,vol 3,Issue 1,Jan 2013 |
| 18 | Stress analysis of a mono-parabolic leaf spring-A review | International journal of modern engineering research | IJMER ,vol 3,Issue 1,Jan 2013 |
| 19 | Analyses and optimization of a mono parabolic leaf spring using Ansys :An approach | 2nd National conference on Innovative paradigms in Engineering and Technology  |  |
| 20 | Simulation and optimization of the assembly line of small scale Industry | International journal of Engineering research and technology | Vol 2,Issue 4, ISSN :2278-0181,April 2014 |
| 21 | Modelling and optimizaton of assembly of transmission system through ergonomic consideration :An overview | International Journal of mechanical Engineering and robotic research | ISSN 2278 – 0149 www.ijmerr.comVol. 2, No. 2, April 2013 |
| 22 | Optimization of assembly of rear axle carrier through ergonomic consideration :An overview | International Journal of Engineering science and Technology | Volume 2, Issue 4,July,2013 |
| 23 | A multiple attribute decision making methodology for process optimization in small scale industries | International journal of latest trends in engineering and technology | Vol. 2 Issue 2 March 2013ISSN: 2278-621X |
| 24 | “Human modeling and simulation: case study for incorporating ergonomic analysis for workstation design of structural subassembly manufacturing “ | International simulation conference of India,IIT Madras | 21st – 23rd February 2013,IIT Madras  |
| 25 | Modeling And Simulation of Assembly Process For Manufacturing of Ginning Machine: An Approach | International simulation conference of India,IIT Madras | 21st – 23rd February 2013,IIT Madras  |
| 26 | Human Performance Modeling For Manufacturing System of Corrugated Sheet Boxes | International simulation conference of India,IIT Madras | 21st – 23rd February 2013,IIT Madras  |
| 27 | Modeling Fuzzy Logic Based MADM for Selection of Manufacturing System for Valve Body Manufacturing | International simulation conference of India,IIT Madras | 21st – 23rd February 2013,IIT Madras  |
| 28 | “Human performance modeling for discrete event simulation of structural subassembly manufacturing: An approach for workload prediction and anthropomorphic consideration” | International simulation conference of India,IIT Madras | 21st – 23rd February 2013,IIT Madras  |
| 29 | Modeling and multiattribute decision making for optimum workstation selection for structural subassembly manufacturing “ | International simulation conference of India,IIT Madras | 21st – 23rd February 2013,IIT Madras  |
| 30 | Fuzzy logic based modeling using MADM for material selection for gear manufacturing | International simulation conference of India,IIT Madras | 21st – 23rd February 2013,IIT Madras  |
| 31 | Experimental Modeling to study various effects of Temperature and Relative Humidity on Moisture and Box Compression Strength of the Corrugated Sheet Boxes and its Optimization. | International simulation conference of India, IIT Madras | 21st – 23rd February 2013,IIT Madras  |
| 32 | Modeling and Facility Layout Optimization of Corrugated Sheet Box Manufacturing Using MADM | International simulation conference of India, IIT Madras | 21st – 23rd February 2013,IIT Madras  |
| 33 | Modeling Fuzzy Logic Based MADM for ROBOT Selection in Powder Coating Operation | International simulation conference of India, IIT Madras | 21st – 23rd February 2013,IIT Madras  |
| 34 | Field data based modeling and Simulation of structural subassembly manufacturing | International Conference on Agile Manufacturing,IIT BHU | IIT BHU |
| 35 | Workstation design & ergonomics analysis for a corrugated sheet box manufacturing system | International Conference on Agile Manufacturing,IIT BHU | December 16-19 ,2012IIT BHU |
| 36 | Modeling and optimization to improve cycle time, productivity of a manufacturing process for corrugated sheet boxes: An approach | International Conference on Agile Manufacturing,IIT BHU | December 16-19 ,2012IIT BHU |
| 37 | Optimal design and analysis of composite drive shaft using ANSYS and genetic algorithm” A critical review. | International Conference on Agile Manufacturing,IIT BHU | December 16-19 ,2012IIT BHU |
| 38 | Modeling and optimization to improve cycle time, productivity of a manufacturing process for corrugated sheet boxes: An approach | International Conference on Agile Manufacturing,IIT BHU | December 16-19 ,2012IIT BHU |
| 39 | Optimal design and analysis of composite drive shaft using ANSYS and genetic algorithm” A critical review. | International Conference on Agile Manufacturing,IIT BHU | December 16-19 ,2012IIT BHU |
| 40 | “Optimization of Mathematical Modeling for Field process generated array of Structural Subassembly Manufacturing” | International simulation conference of India 2014,COEP ,Pune | 11th – 12th January 2014COEP ,Pune |
| 41 | “Predictive Modeling and simulation of structural subassembly manufacturing system using Neural Network” | International simulation conference of India 2014,COEP ,Pune | 11th – 12th January 2014COEP ,Pune |
| 42 | “Modelling and Optimization of Human Energy of a Corrugated Sheet Box Industry” | International simulation conference of India 2014,COEP ,Pune | 11th – 12th January 2014COEP ,Pune |
| 43 | “An Artificial Neural Network Model for Prediction of Cycle Time and Human Energy of a Corrugated Sheet Box Production Process” | International simulation conference of India 2014,COEP ,Pune | 11th – 12th January 2014COEP ,Pune |
| 44 | “Sensitivity Analysis for Corrugated Sheet Box Production Process Models” | International simulation conference of India 2014,COEP ,Pune | 11th – 12th January 2014COEP ,Pune |
| 45 | Design and simulation of powder coating operation kavasaki kf 121 robot | International conference on competitiveness and innovativeness in Engineering management & information technology  | 29.01.2012,Jagadhri |
| 46 | An overview development and design of fanuc controlled 3 axis worktable | BITCON 2016 | 29-30 Jan 2016Bhilai Institute of technology ,Durg |
| 47 | Simulation and Process Optimization of Small Scale Manufacturing Industry | International Conference on Innovations and Trends in Applied Computing, Yeshawantrao Chavan College of Engineering, | 03.02.2012 |
| 48 | Advancement in Solar Water Heater for efficiency improvement using various techniques: A review | 6th International conference on Energy, Infrastructure and Management(Scopus Indexed)  | Feb 15-16 ,2018School of Petroleum Management, Gandhinagar |
| 49 | The Effect of Various Parameters on the nozzle diameter and 3D printed Product in Fused Deposition Modelling: An Approach | ICCCN 2018: 2nd International Conference on Communication, Computing and Networking, LNNS Springer Conference Proceedings (Scopus Indexed) | March 29-30, 2018, National Institute of Technical Teachers Training and Research, Chandigarh, India. |
| 50 | “Comparative analysis of Multilayer Perceptron and Radial Basis Function ANN for prediction of cycle time of Structural subassembly Manufacturing”  | Pratibha: International Journal Of Science, Spirituality, Business And Technology | (IJSSBT), Vol. 3, No. 1, Dec 2014  |
| 51 | Optimization of Corrugated Sheet Box Size for an Industrial Part | International Journal of Research in Advent Technology1st International Conference on Advent Trends in Engineering, Science and Technology “ICATEST 2015”, 08 March 2015 | “ICATEST 2015”, 08 March 2015 |
| 52 | Corrugated Box Production Process Optimization using Dimensional Analysis and Response Surface Method | International Journal of Industrial Engineering and Production Research , ISSN: 2008-4889 | January 2015, Volume 26 Number 1 |

* **STTP / FDP / Workshop organized at YCCE:**

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| SN | **Event** | Period | **Remark** |
| 1 | ISTE Workshop. Introduction to Research Methodologies | June 25 – July 4, 2012 | Organized by IIT Bombay ,Worked as workshop coordinator |
| 2 | Engineering graphics using Autocad | 2-4 January ,2013 | YCCE |
| 3 | Workshop on Scilab in coordination with IIT Bombay | 08.03.2014 | Siemens centre of excellence |
| 4 | Workshop on Scilab in coordination with IIT Bombay | 15.03.2014 | Siemens centre of excellence |
| 5 | One dayworkshop on “Machine learningand mathematical modeling” | 30.08.2014 | Siemens centre of excellence |
| 6 | One dayworkshop on “Machinelearningand mathematical modeling” | 26.09.2014 | Siemens centre of excellence |
| 7 | Two daysworkshop on “DigitalManufacturingusingNXCAM basics | 09.03.2015-10.03.2015 | Siemens centre of excellence |
| 8 | Two daysworkshop on “DigitalManufacturingusingNXCAM basics | 09.01.2015-10.01.2015 | Siemens centre of excellence |
| 9 | One Week ISTEapprovedSTTPon“Digital Manufacturing and Robotics”forFacultiesandIndustry professionals | 23rd-27thMarch,2015 | Siemens centre of excellence |
| 10 | One week sttpon “CNC Programming” | 25th-29th April2016 | Siemens centre of excellence |
| 11 | Shorttermtrainingprogramon “Modelingand Advance computation” | 11-12May ,2015 | Siemens centre of excellence |
| 12 | Shorttermtrainingprogramon “MathematicalModelingand Simulation” | 14-15May,2015 | Siemens centre of excellence |
| 13 | One weekSTTPon “Modeling, Simulation and Computation “ | 24-28 August,2015 | Siemens centre of excellence |
| 14 | STTPon “Modelingand Simulation” | 11-12Oct. 2015 | Siemens centre of excellence |
| 15 | Twoweek sttpon “Research Methodology” | 8th - 17th October2015 | Siemens centre of excellence |
| 16 | Two daysworkshop on “Modeling andSimulation” | 15th-16thOctober2015 | Siemens centre of excellence |
| 17 | One week sttpon “Computer aidedmanufacturingusing NX-CAM” | 19.08.2016–23.08.2016 | Siemens centre of excellence |
| 18 | One week sttpon “Advanced optimization throughANN and GA” | 14.10.2016-18.10.2016 | Siemens centre of excellence |
| 19 | One week sttpon “Modeling ,Simulation and Optimization” | 13.09.2016-17.09.2016 | Siemens centre of excellence |
| 20 | TwoweekSTTPonResearch methodology | 8.10.2015-17.10.2015 | Siemens centre of excellence |
| 21 | Workshop on SCILABusingmachining case studiesin coordination withIIT Bombay | 25.02.2017 | Siemens centre of excellence |
| 22 | Workshop on PYTHONusing machiningcase studiesin coordination withIITBombay | 27.02.2017 | Siemens centre of excellence |
| 23 | One week STTP on “Machine Learning for Manufacturing”  | 19-24 Sep. 2017 | YCCE |
| 24 | Workshop on Scilab in coordination with IIT Bombay | 29.07.2017 | Siemens centre of excellence |
| 25 | Workshop on Python in coordination with IIT Bombay | 05.08.2017 | Siemens centre of excellence |
| 26 | One week sttp on Additive Manufacturing in coordination with Altem Technologies Banglore | 29.08.2018 to 02.09.2018 | Altem Technologies Banglore |
| 27 | One week sttp on Machine Learning for Manufacturing  | 28.09.2018 to 03.10.2018 | Siemens centre of excellence |

* **List of expert lectures delivered in various STTPs and conferences**

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| **SN** | **Topic** | **Duration with Date** | **Institute/Place** |
| 1 | Key note address on Advance optimization techniquesStudent leadership design conference ,ASME,2015 | 25.10.2015 | NMIMS ,Shirpur, Maharashtra |
| 2 | Session chairman International conference on Soft computing: Theories and Applications :SOCTA 2016 Springer | 28-30 Dec 2016 | Amity University ,Jaipur ,Rajasthan |
| 3 | Key note address on Industry oriented CNC and Robotics | 28.06.2016 | TGPCET ,Nagpur |
| 4 | Session chairmanNational conference on Advances in Engineering Technology and Applied Sciences,2015 | 12-13 March 2015 | YCCE,Nagpur |
| 5 | Session Chairman and JudgeNational level paper presentation ,INOVACO | 12.03.2014 | YCCE,Nagpur |
| 6 | JudgeSession Chairman and JudgeIMPETUS-12 National level conference,2012 | 06.02.2012 | DBACER ,Nagpur |
| 7 | Session Chairman and JudgeNational conference on Advances in Engineering Technology and Applied Sciences,2013 | 15-16 March 2013 | Department of Information Technology ,YCCE,Nagpur |
| 8 | Key note address on Machine learning | 28.03.2017 | Bhilai Institute of technology ,Bhilai Durg ,Chhattisgarh |
| 9 | Research Design and Proposal  | 10.07.2016 | Gondwana University ,Gadchiroli |
| 10 | Mathematical Modeling and Optimization | 15.01.2016 | D.Y.Patil Institute of Engineering and Technology ,Pune |
| 11 | Robotics and CIM | 16.01.2013 | SSBT College of Engineering and Technology ,Jalgaon |
| 12 | Matlab based programming and optimization using ANN | 22.01.2016 | Department of Mathematics ,RTMNU,Nagpur |
| 13 | Neural Network based optimization | 16.12.2015 | NMIMS ,Shirpur,Maharashtra |
| 14 | Introduction to MATLAB | 14.102015 | PIET,Nagpur |
| 15 | Application of genetic algorithm | 07.04.2017 | ISTE STTP ,Department of Electronics Engg.YCCE  |
| 16 | Latest trends in CAM | 18.07.2015 | ADCC Infocad Pvt. Ltd. Nagpur |
| 17 | Gate classes on production engineering | 03.02.2014 | ADCC Gate coaching centre,Nagpur |
| 18 | Mathematical and statistical Modeling | 16.10.2014 | Ramdeobaba college of Engineering ,RKNEC,Nagpur |
| 19 | ANN using MATLAB | 21.05.2015 | Department of Electrical Engineering ,YCCE,Nagpur |
| 20 | CNC Programming | 1-2 March ,2017 | DBACER,Nagpur |
| 21 | Application of Artificial Neural Network in Manufacturing  | 17.06.2014 | DBACER,Nagpur |
| 22 | Statistical Analysis and Mathematical Modeling | 23.06.2014 | R&D Cell YCCE |
| 23 | System Modeling and Design using Neural Network | 24.06.2014 | R&D Cell YCCE |
| 24 | Basics of Machine learning  | 30.08.2014 | Siemens centre of excellence |
| 25 | ANN fundamentals | 30.08.2014 | Siemens centre of excellence |
| 26 | ANN Function fitting  | 30.08.2014 | Siemens centre of excellence |
| 27 | Basics of Machine learning  | 26.09.2014 | Siemens centre of excellence |
| 28 | ANN Programming | 26.09.2014 | Siemens centre of excellence |
| 29 | ANN Function fitting -1 | 26.09.2014 | Siemens centre of excellence |
| 30 | CNC Programming | 27.02.2015 | DBACER,Nagpur |
| 31 | Robotics simulation and programming | 04.03.2014 | DMITR,Wardha |
| 32 | Track coordinator for Optimization and statistics | 22-24 Dec. 2013 | ADCC and MATHWORKS India |
| 33 | ANN based modeling using spss and MATLAB | 26-31 December 2013 | Priyadarshani college of Engineering ,Nagpur |
| 34 | CNC and Robotics | 01.09.2012 | DMITR,Wardha |
| 35 | CNC Programming | 8-9 Oct.2012 | DBACER,Nagpur |
| 36 | Robot Kinematics | 08.10.2012 | DBACER,Nagpur |
| 37 | Basics of CAM  | 09.03.2015 | Siemens centre of excellence,YCCE |
| 38 | Basics of CNC Programming | 09.03.2015 | --//-- |
| 39 | Hands on CNC Machines | 09.03.2015 | --//-- |
| 40 | NX CAM Interface | 10.03.2015 | --//-- |
| 41 | CAM Milling post processing | 10.03.2015 | --//-- |
| 42 | NX CAM lathe post processing | 10.03.2015 | --//-- |
| 43 | Digital Manufacturing and Robotics paradigms | 24.03.2015 | --//-- |
| 44 | Application of Robotics Simulation | 25.03.2015 | --//-- |
| 45 | Post processing for CNC Programming exercise(Hand on session) | 27.03.2015 | --//-- |
| 46 | Post processing for CNC Programming | 27.03.2015 | --//-- |
| 47 | Basics of MATLAB. Basic statistics using MATLAB | 11.05.2015 | --//-- |
| 48 | Data analysis using MATLAB | 11.05.2015 | --//-- |
| 49 | Basics of MATLAB programming | 11.05.2015 | --//-- |
| 50 | ANN using MATLAB | 12.05.2015 | --//-- |
| 51 | Curve fitting toolbox and Response Surface methodology using MATLAB | 12.05.2015 | --//-- |
| 52 | Introduction to SIMULINK and solving ordinary differential equation (ODE) | 12.05.2015 | --//-- |
| 53 | Descriptive statistics and interpretation using SPSS. | 14.05.2015 | --//-- |
| 54 |  Introduction of SPSS. Basic data analysis using SPSS. | 14.05.2015 | --//-- |
| 55 | Hypothesis testing and data analysis | 14.05.2015 | --//-- |
| 56 | Mathematical modeling using SPSS | 15.05.2015 | --//-- |
| 57 | Artificial Neural Network using SPSS | 15.05.2015 | --//-- |
| 58 | Case examples and (Hands on session) | 15.05.2015 | --//-- |
| 59 | Basics of CAM  | 09.01.2015 | --//-- |
| 60 | Basics of CNC Programming | 09.01.2015 | --//-- |
| 61 | Hands on CNC Machines | 09.01.2015 | --//-- |
| 62 | Basics of MATLAB.Basic statistics using MATLAB | 24.08.2015 | --//-- |
| 63 | Data analysis using MATLAB | 24.08.2015 | --//-- |
| 64 | Case studies on data analysis | 24.08.2015 | --//-- |
| 65 | Artificial neural network using MATLAB | 26.08.2015 | --//-- |
| 66 | Introduction to ANN | 26.08.2015 | --//-- |
| 67 | Response Surface methodology  | 28.08.2015 | --//-- |
| 68 | Introduction of ANN Toolbox | 27.08.2015 | --//-- |
| 69 | Introduction to curve fitting | 27.08.2015 | --//-- |
| 70 | 3D surface plotting using MATLAB | 27.08.2015 | --//-- |
| 71 | Basics of Modeling  | 15.10.2015 | --//-- |
| 72 | Basics of CAM  | 11.09.2015 | --//-- |
| 73 | Basics of CNC Programming | 11.09.2015 | --//-- |
| 74 | Hands on CNC Machines | 11.09.2015 | --//-- |
| 75 | NX CAM Interface | 12.09.2015 | --//-- |
| 76 | CAM Milling post processing | 12.09.2015 | --//-- |
| 77 | NX CAM lathe post processing | 12.09.2015 | --//-- |
| 78 | Basics of Simulation | 15.10.2015 | --//-- |
| 79 | ANN Function fitting -1 | 15.10.2015 | --//-- |
| 80 | Mathematical Modeling  | 16.10.2015 | --//-- |
| 81 | Interpretation of mathematical models | 16.10.2015 | --//-- |
| 82 | Interpretation of Simulation process | 16.10.2015 | --//-- |
| 83 | Mathematical Modeling using SPSS and MATLAB  | 09.10.2015 | --//-- |
| 84 | ANN Based Optimization | 09.10.2015 | --//-- |
| 85 | Basics of CAM | 19.08.2016 | --//-- |
| 86 | Introduction to CNC system | 25.04.2016 | --//-- |
| 87 | Basics of CNC programming | 25.04.2016 | --//-- |
| 88 | Fundamentals of ISO and EIA coding for CNC | 26.04.2016 | --//-- |
| 89 | CNC programming cycles | 26.04.2016 | --//-- |
| 90 | Basics of CNC programming | 19.08.2016 | -//- |
| 91 | Hands on CNC machines | 19.08.2016 | -//- |
| 92 | Case studies on CAM | 22.08.2016 | -//- |
| 93 | Project on CAM | 23.08.2016 | -//- |
| 94 | ANN Function fitting -1 | 14.10.2016 | -//- |
| 95 | ANN Function fitting -2 | 15.10.2016 | -//- |
| 96 | ANN Function fitting -3 | 15.10.2016 | -//- |
| 97 | Case Studies on function fitting | 15.10.2016 | -//- |
| 98 | ANN Pattern recognition Project -1 | 17.10.2016 | -//- |
| 99 | ANN Pattern recognition Project-2 | 17.10.2016 | -//- |
| 100 | ANN Pattern recognition Project-3 | 17.10.2016 | -//- |
| 101 | Genetic Algorithm Case Studies and Project -1 | 18.10.2016 | -//- |
| 102 | Genetic Algorithm Case Studies and Project -2 | 18.10.2016 | -//- |
| 103 | Genetic Algorithm Case Studies and Project -3 | 18.10.2016 | -//- |
| 104 | Basics of MATLAB. Basic statistics using MATLAB | 13.09.2016 | -//- |
| 105 | Data analysis using MATLAB | 13.09.2016 | -//- |
| 106 | Data plotting using MATLAB | 14.09.2016 | -//- |
| 107 | Curve fitting using MATLAB | 14.09.2016 | -//- |
| 108 | Response Surface methodology  | 14.09.2016 | -//- |
| 109 | Introduction of ANN Toolbox | 16.09.2016 | -//- |
| 110 | Function fitting and Simulation | 16.09.2016 | -//- |
| 111 | Case Studies on ANN | 16.09.2016 | -//- |
| 112 | Basics of Machine learning  | 19.09.2017 | -//- |
| 113 | Data analysis and plotting using MATLAB | 19.09.2017 | -//- |
| 114 | Artificial Neural Network 1,2,3 | 20.09.2017 | -//- |
| 115 | Basics of Genetic Algorithm 1,2,3 | 21.09.2017 | -//- |
| 116 | Case studies on ANN | 22.09.2017 | -//- |
| 117 | Case studies on Genetic Algorithm | 23.09.2017 | -//- |
| 118 | Statistical analysis and mathematical modeling  | 28.06.2017 | ISTE sttp on QMCA-2017 YCCE R&D cell |
| 119 | System modeling and design using neural network | 29.06.2017 | ISTE sttp on QMCA-2017 YCCE R&D cell |
| 120 | Statistical Analysis and Mathematical Modeling -I | 24.06.2017 | Research methodology STTP by R&D cell |
| 121 | Statistical Analysis and Mathematical Modeling –II  | 24.06.2017 | Research methodology STTP by R&D cell |
| 122 | ANN based Modeling  | 12.01.2019 | Department of Biotechnology ,Priydarshani Institute of Technology ,Nagpur |
| 123 | Arificial Neural Network based Modelling | 05.01.2018 | Late G.N.Sapkal college of Engineering ,Nasik |
| 124 | Genetic Algorithm  | 06.01.2018 | Late G.N.Sapkal college of Engineering ,Nasik |