All India Shri Shivaji Memorial Society’s College of Engineering Pune-1

MECHANICAL ENGINEERING DEPARTMENT

**Achievements AY 2018-2019**

**INTRODUCTION:**

**Teaching Staff:** 36 (32 in the Department and 04 to FE), **Non-Teaching Staff**: 9

**Start of the Department:** 1992

**UG Programmes:** 2; Mechanical and Mechanical Engineering (Sandwich pattern)

**PG Programmes:** 2; Automotive and Design specialization

**Laboratories:** 18, Drawing Hall:1 and Seminar Hall: 2

**Softwares:** MATLAB, MasterCAM, ANSYS , Pro-E,AutoCAD, MSc ADAMS, Altair Hyperworks

**Unique Equipments:** Chassis Dynamometer, FFT Analyser

**AWARDS AND RECOGNITION**

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| **SN** | **Name** | **Awards and Recognition** |
| 1 | Prof.(Dr.) A V Waghmare | VC Nominee as a Member, Board of Studies, Mechanical Engineering, SPPU, Pune |
| Member of Engineering Education Board and Faculty Development Committee, SAE INDIA |
| 2 | Prof.(Dr.) B D Bachchhav | VC Nominee as a Member, Board of Studies, Mechanical and Materials Technology, Dept. of Technology, SPPU, Pune |
| 3 | Prof.(Dr.) P S Gajjal | Outstanding Women in Engineering |
| IARDO award for excellence |
| 4 | Dr. M.R.Phate | Best Teacher Award (Rank1), AISSMS Excellence Award 2019 |
| Copyright Reg (ROC-L-82418/2019) :-   |  | | --- | | Analysis of 6-DOF Human Biodynamic Model for Seated Human Posture Using Artificial Neural Network | |
| Copyright Reg(Roc:L-81672/2019)Critical Analysis of novel fabricated Al/SiC/B4C Metal Matrix Composites Machining Performance |
| Copyright Reg : (ROC:L-80752/2019)-Formulation of Experimental Data Based Model for the Machining Process using Dimensional Analysis Approach. |

**MEMORANDUM OF UNDERSTANDINGS:**

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| **SN** | **Name of organization** | **Date of MOUs** | **Period of validity** |
| 1 | Seinumero Nirman Pvt. Ltd. Pune | 07/07/2017 | 07/07/2020 |
| 2 | Vishwadeep Enterprises, Pune | 13/07/2017 | 13/07/2022 |
| 3 | e-Addict Mobility solutions Pvt.Ltd.Pune | 21/08/2017 | 21/08/2022 |
| 4 | Engineering Cluster, Chinchwad | 28/02/2018 | 28/02/2022 |
| 5 | Suntech Landriani M/c tools Pvt. Ltd | 08/08/2018 | 07/08/2021 |
| 6 | Nemade Engineering Pvt Ltd | 08/08/2018 | 07/08/2021 |
| 7 | Indi-Tech valves Pvt. Ltd. Pune | 31/08/2016 | 31/08/2018 |
| 8 | Meher Techno Consultants Pvt. Ltd. Pune | 16/09/2016 | 16/09/2019 |
| 9 | Kakade Laser, Pune | 06/09/2016 | 06/09/2019 |
| 10 | Plazma Technologies Pvt. Ltd. Pune | 01/01/2017 | 01/01/2020 |
| 11 | S M Auto Engineering Pvt. Ltd, Pune | 08/12/2016 | 08/12/2020 |

**Doctor of Philosophy (PhD)**

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| **Prof.(Dr.) S J NAVLE** |
| Title of Research: Investigations on performance of S.I.Engine fueled with hydrogen gas as an alternate fuel in comparison with pure gasoline  Name of the Guide: Dr R.R.Kulkarni (Guide), Dr S.S.Thipse (Co-Guide)  Research Center: VIT, Pune  University: Savitribai Phule Pune University,Pune |
| **Prof.(Dr.) C S CHOUDHARI** |
| Title of Research: Design, development and performance evaluation of a refrigeration system for a new environment friendly refrigerant.  Name of the Guide: Dr S N Sapali  Research Center: COEP, Pune  University: Savitribai Phule Pune University,Pune |

**FUNDED RESEARCH PROJECT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S N** | **Title of the Project** | **Principal Investigator** | **Amount received (Rs)** | **Funding Agency** |
| 1 | Tribological Performance Evaluation of Non-asbestos organic Brake Pad Materials | Prof.(Dr.) B D Bachchhav | 25,000 | Institution of Engineers R&D Cell |

**STUDENTS’ CHAPTERS/CLUBS**

1.Society of Automotive Engineers (I) (SAEINDIA)

2.Indian Society for Heating Refrigeration and Air-conditioning Engineers (ISHRAE) 3.Institution of Engineers (I) (IEI)

4.Institution of Mechanical Engineers (UK) (IMechE)

5.Mechanical Engineering Students Association (MESA)

**Funded FDP/STTP/WS/Seminar/Symposium Organised by the Department:**

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| --- | --- | --- | --- | --- |
| **S N** | **Title of the FDP/STTP/WS/Seminar/Symposium** | **Duration** | **Co-ordinator** | **Funding Agency**  **(If any) and Amount (Rs.)** |
| 1 | One day Syllabus Implementation Program on, “Systems in Mechanical  Engineering” | 01 Day | Dr A V Waghmare | Planning and Development, SPPU  (Rs. 10,000/-) |
| 2 | Fourth Mechanical Engineering Post Graduate Student’s Conference | 02 Days 13, 14 June2018 | Dr D Y Dhande  Mr S R Patil | BOS, SPPU |

**EVENTS ORGANISED:**

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| --- | --- | --- | --- | --- | --- | --- |
| **SN** | **Event name** | **Event type** | **Funding source** | **Event status type** | **From date** | **To date** |
| 1 | Basics of Altair Hypermesh | Workshop | -- | Inter Collegiate level | 07/09/18 | 08/09/18 |
| 2 | A-Quest HVAC Quiz -2019 | QUIZ | ISHRAE | National Level | 05/01/19 | 05/01/19 |
| 3 | Aero design workshop 2018 | Workshop | SAEINDIA | Pune | 16/09/18 | 17/09/18 |
| 4 | MECHPULSE 2018 | Technical Symposium | AISSMS COE | National Level | 10/09/18 | 13/09/18 |
| 5 | Current Trends in Vehicle Power Train | Workshop | IEI | Inter Department Level | 03/01/19 | 03/01/19 |
| 6 | Technical Quiz : RAC | Quiz | IEI | Inter Department Level | 27/9/2018 | 27/9/2018 |
| 7 | Poster presentation competition | General | IEI | Inter Department Level | 27/8/2018 | 27/8/2018 |
| 8 | BE Project Competition 2019 | Exhibition | Department Alumni | Inter Department Level | 29/3/2019 | 29/03/2019 |
| 9 | Technical quiz Competition : BME | Technical | IEI | For First Year Students | 28/3/2019 | 29/3/2019 |
| 10 | Two days workshop on “Basics of Hypermesh” | Workshop | AISSMS COE | Inter Departmental | 7/8/2018 | 8/8/2018 |
| 11 | Two days workshop on “Basics of Hypermesh” | Workshop | AISSMS COE | Inter Departmental | 6/2/2019 | 7/2/2019 |
| 12 | Branding & Souvenir printing | ET-2018 | Aissms COE | Central committee | 10/09/2018 | 12/09/2018 |
| 13 | One Day Training Program on Smart Data Analysis by using Minitab | One Day Training Program | AISSMS COE | Department Level | 19/03/2019 | 19/03/2019 |
| 14 | One day Workshop on “Geometric Dimensioning and Tolerancing (GD&T)” | Workshop | AISSMS COE | Department level under Industry Institute Interaction | 26/03/2019 | 26/03/2019 |
| 15 | One day Teacher’s Training Workshop | Workshop | Knorr-Bremse Technology Centre, Pune | Department level under Industry Institute Interaction | 22/04/2019 | 22/04/2019 |
| 16 | Technical Quiz on Thermal and fluid Engineering | Technical Quiz | IEI | Interdepartmental | 28th September 2018 | 28th September 2018 |
| 17 | One day workshop on “Fault Diagnosis in Refrigeration systems” | Workshop | ISHRAE Students’ Chapter | Department level under Industry Institute Interaction | **27**th March 2019 | **27**th March 2019 |

**PUBLICATIONS:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Title of paper** | **Author** | **Name of journal** | **ISBN /ISSN** |
| Critical Property Assessment of Novel Brake pad Materials by AHP | Prof.(Dr.) B D Bachchhav | Journal of Manufacturing Engineering | 0973-6867 |
| Challenges in formatting vegetable based metalworking lubricants - A Review | Prof.(Dr.) B D Bachchhav | International Conference on tribology TRIBO-India 2018 |  |
| Screening of organic breakpad materials using MADM technique | Prof.(Dr.) B D Bachchhav | AEOTIT 2018 (Conference) |  |
| Numerical analysis of three lobe hydrodynamic journal bearing using CFD–FSI technique based on response surface evaluation | Prof.(Dr.) D Y Dhande | Journal of Brazilian Society of Mechanical Sciences and Engineering (Springer), August 2018, 40:393 | 1678-5878 |
| Implementation of CFD–FSI Technique Coupled with Response Surface Optimization method for Analysis of Three-Lobe Hydrodynamic Journal Bearing | Prof.(Dr.) D Y Dhande | Journal of The Institution of Engineers (India): Series C (Springer), October 2018, pp 1–12 | Print ISSN:  2250-0545 Online ISSN: 2250-0553 |
| Multiphase flow analysis of hydrodynamic journal bearing using CFD coupled Fluid Structure Interaction considering cavitation | Prof.(Dr.) D Y Dhande | Journal of King Saud University-Engineering Sciences,Volume 30, Issue 4, October 2018, Pages 345-354 (Elsevier) | 1018-3639 |
| Exploring Biodynamic Response (Apparent Masses) of a Seated Human Body Exposed To External Excitation in Vertical Direction | Prof.(Dr.) M R. Phate | International Journal of Industrial Engineering & Production Research, Volume 29, Issue 4 (12-2018) | 2008-4889 |
| Modeling and prediction of WEDM performance parameters for Al/SiCp MMC using Dimensional analysis and artificial neural network. | Prof.(Dr.) M R Phate | Engineering Science and Technology, an International Journal (Elsevier) | 2008-4889 |
| Analysis of Machining Parameters in WEDM of Al/SiCp20 MMC Using Taguchi based Grey-fuzzy Approach | Prof.(Dr.) M R Phate | Modeling and Simulation in Engineering (In press and Accepted for publication), (Hindawi) |  |
| Taguchi Technique for Dry Sliding Wear Behavior of PEEK Composite Materials | Prof.(Dr.) P S Gajjal | Materials Today: Proceedings Elsevier,  5 (2018), 950–957 | ISSN: 2214-7853 |
| Effect of Volute Tongue Clearance Variation on Performance of Centrifugal Blower by Numerical and Experimental Analysis | Prof. S R Patil  Prof. S S Vadgeri | Materials Today: Proceedings 5 (2018) 3883–3894 (Elsevier) | ISSN: 2214-7853 |
| Static and Fatigue Analysis of Lathe spindle for Maximum Cutting Force | Prof. S S Vadgeri  Prof. S R Patil | Materials Today: Proceedings 5 (2018) 4438–4444 (Elsevier) | ISSN:  2214-7853 |
| Testing of environment friendly refrigerant R290 for water cooler application | Prof.(Dr.) C S Choudhari | International Journal of Engineering, Transactions A: Basic | ISSN : 10252495 |
| Synthesis and characterisation of cashew nut shell liquid matrix composite for composite application | Prof. A R Takalkar | Biopolymer & Biomaterials | ISSN-978-1-315-1698-3 |
| Experimental identification of non-hysteresis algebraic force model of automotive hydraulic damper | Prof.(Dr.) C S Dharankar | International Journal of Vehicle Performance (IJVP), Interscience Publisher | ISSN Online : 1745-3208  ISSN Print: 1745-3194 |
| Electricity Generation by Using High Velocity wind produced due to motion of vehicle | Prof.V S Wagare | Proceedings of Indian Science Congress |  |
| A Review on Optimum Tool Geometry Design to Minimize Cutting Forces for Turning of Hardened Steel | Prof. S S Vadgeri | ICIIST Proceedings | March 2019 |
| Next generation Automotive seat Cover to improve Thermal comfort Using Thermoelectric Effect | Prof. S.V.Chaitanya | Journal Of Manufacturing Engineering | Dec 2018 |
| Performance Analysis of Cool air ventilated seat cover | Prof. S.V.Chaitanya | International Journal of Science Technology and Engineering | July 2018  ISSN 2349-784X |
| Design and Development of eco friendly road cleaner. | Prof. M.P.Bauskar | MAT JOURNAL | December 2018 |
| Insights on Supply Chain Needs and Issues in Indian SMEs | Prof. G B Narkhede | Industrial Engineering Journal | ISSN: 2581-4915 |
| Performance Characterization & Multi Objective Optimization of Laser Beam cutting process on Steel | Prof. N.N.Gotkhindikar | International Journal for Research in applied science and Engineering Technology | ISSN: 2321-9653 |
| Tribological Parametric Influence of Dry Sintered Iron Bearings | Dr (Mrs) P S Gajjal | Journal of Emerging Technologies and Innovative Research | ISSN 2349-5162 |
| Wear Model of Dry Sintered Bearing Material by Dimensional Analysis | Dr (Mrs) P S Gajjal | Journal of Emerging Technologies and Innovative Research | ISSN 2349-5162 |
| Function and Behaviour analysis of a Nanoparticle  based bio-Lubricant used in hydrodynamic  Bush Bearing | P V Deshmukh | Journal of Applied Science and Computations, Volume VI, Issue V, May/2019 | 1076-5131 |
| Experimental Transmissibility Investigation of Shock Absorber and  Comparison with MATLAB results for Two Wheeler | P V Deshmukh | International Research Journal of Engineering and Technology, Volume: 06 Issue: 05 | May 2019 | 2395-0056 |
| CFD analysis of diffuser augmented wind turbine | P V Deshmukh | International Journal of Advance Research, Ideas and Innovations in Technology, Volume 5, Issue 3 | 2454-132X |

**BOOK PUBLICATIONS:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Title of Book** | **Author** | **Name of Publisher** | **ISBN /ISSN** |
| Experimental Investigation of Maximum Cutting Force Condition in Lathe | Prof. S S Vadgeri &  Prof. S R Patil | LAMBERT Publication, Germany | ISBN: 978-613-9-45019-0 |
| Springer book series - AEOTIT 2018 | Prof.(Dr.) B D Bachchhav | Springer | ISBN - 978-9981-13-8196-6 |
| Fabrication of temperature control solar dryer | Prof.(Dr.) M. S. Deshmukh & Prof.(Dr.) M R Phate | LAMBERT Publication, Germany | ISBN : 978-613-999230-0 |
| WEDm performance analysis of AL/GR mmc using response surface method | Prof.(Dr.) M R Phate | LAMBERT Publication, Germany | ISBN : 978-613-999228-7 |
| Operation Research | Prof.(Dr.) M R Phate | Sharp / Success | ISBN : 978-93-24457-08-2 |
| Tribo-Behaviour of Dry Sintered Material | Prof.(Dr.) P S Gajjal | LAMBERT Publication, Germany | ISBN: 978-613-9-44952-1 |
| Study of WCO Biofueled VCR CI Engine performance testing with DPF | Prof.(Dr.) M. S. Deshmukh | LAMBERT Publication, Germany | ISBN 978-613-9-47099-0 |
| Tribo Behaviour of Dry Sintered Bearing Material | Dr (Mrs) Priya Gajjal | Lambert Publication Germany | 978-613-9-44952-1 |

**INDUSTRIAL VISITS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S N** | **Subject** | **Place** | **Faculty involved** | **Date** |
| 1 | RAC: Central AC system | Bal Gandharva Rang Mandir Pune | Prof.(Dr.) C S Choudhari  Prof. S S Patil  Prof. D S Mane | 28-29th Jan 2019 |
| 2 | Speciality Sintered India Pvt Ltd, Shirwal, Pune. | Shirwal, Pune. | Prof.S.R.Patil  Prof. G.B.Narkhede | 01st Oct, 2018 |
| 3 | 512 ARMY BASE WORKSHOP | Kirkee, Pune | Prof.(Dr.) D Y Dhande  Prof. M P Bauskar | 24th Sep 2018 |
| 4 | Shree system Pvt Ltd | Pirangut,Pune | Prof. A R Takalkar &  Prof. S S Vadgeri | 04th Feb 2019 |
| 4 | Kalyani Maxion Wheels Pvt Ltd | Chakan | Prof.(Dr.) D Y Dhande  Prof. V.S.Wagare | 20 Sept 2018 |
| 5 | Mahindra CIE, Chakan-Ambhetan Road , Tal: Khed, Pune, 410 501 | Chakan | Prof. M.P.Bauskar | 4th Sep 2018 |
| 6 | Manufacturing of Heat Exchangers/ Boilers at Thermax | Pune | Prof.(Dr.) C S Choudhari | 11th Oct 2018 |
| 7 | Shreenath Mhasoba Sugar Factory | A/P. Patethan, Tal. Daund., Dist. Pune | Prof.(Dr.) M.S. Deshmukh  Prof. P.V.Amte  Prof. K.L.Kumbhar | 7th Feb 2019 |
| 8 | Kalyani Maxion Wheels Pvt Ltd, Chakan, Pune (30) | Gat No. 635, At Post - Kuruli Chakan, Taluka - Khed, Pune, Maharashtra 410501 | Prof. (Dr.) M M Sayyad  Prof. M P Bauskar | 23rd Feb 2019 |
| 9 | Solar Thermal Power Plant, Shive, Tal. Khed | A/P.Shive, | Prof.(Dr.) M.S. Deshmukh  Prof. P.V.Amte  Prof. K.L.Kumbhar | 27th Mar 2019 |
| 10 | Water Pump plant | Nigdi, Pune | Prof. P V Amate |  |
| 11 | Siddheshwar Industries Pvt.Ltd, | Chinchwad | Prof.(Dr.) D Y Dhande  Prof. A T Thombare | 20,22 March 2019 |
| 11 | Bemcho Hydraulics Pvt Ltd | Belgaum | Prof. A R Takalkar | 22th March 2019 |
| 12 | Ujani Hydroelectric power Plant | Ujani, Solapur | Prof. M.U.Gan  Prof. K.L.Kumbhar |  |
| 13 | Applied Thermodynamics and Engineering Metallurgy | Diesel Locomotive, Ghorpadi Pune. | Prof. M. S. Swami  Prof. M. R. Dahake  Prof.(Dr.) S. J. Navale | 30th March 2019 |

**EXPERT LECTURES**

|  |  |  |  |
| --- | --- | --- | --- |
| **S N** | **Title of expert lecture** | **Resource person** | **Date** |
| 1 | Product Design and Development : Industry Insides | Mr Sagar B Mane | 4th Feb 2019 |
| 2 | Applications of CFD in Heat transfer analysis | Mr Anil Samale, Technical Leader – Aero-Thermo Group, Dresser Rand | 25th Sep 2018 |
| 3 | Importance of CAD, CAM and CAE in Manufacturing Industry | Mr Swapnil Panke, 9960941196 | 27th Sep 2018 |
| 4 | Application of PERT- CPM in Industry | Prof B B Bite, Institute of Management, AISSMS Society, Pune 411001 | 4th Oct 2018 |
| 5 | Heat Transfer in IC Engine | Mr Sagar E Patil, Sr Manager, ERC , Tata Motors Pune. | 11th Oct 2018 |
| 6 | Industry 4.0 and Design Thinking | Dr. Krishnaswami Srihari , Dean of The Thomas J. Watson School of engineering and Applied Science Binhamton University, New York | 5th Oct 2018 |
| 7 | “Orientation on Project & Operation Management” | Mr Atul Inamdar, Centre head, Synergy School of Buisness Skills, 8308838828, mh.bundgarden@synergysbs.com | 04th October 4, 2018 |
| 8 | Career opportunities in Designing | Mr Sunder, DQ Labs (9637322555) | 27th February 2019 |
| 9 | Refrigeration for cold storages | Mr. Sharad patil Senior consultant,Coolexpert, Cold Chain | 27th March 2019 |
| 10 | Expert talk on BIM software | Expert from Building Information Modelling industry | 29th February 2019 |

**PROGRAMS FDP/STTP/WEBINAR/WORKSHOP etc. ATTENDED BY STAFF**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Name of the participant** | **Designation** | **Title of the FDP / professional development / administrative training program** | **Dates (from-to) (DD-MM-YYYY)** |
| **Term-I** | | | | |
| 1 | Chandrakishor S Choudhary | Associate Professor | Short term course on "Efficient energy conversion in Harmony with environment" | 29-10-2018 - 03-11-2018 |
| 2 | Omprakash More | Assistant Professor | Short term course on "Machining Dynamics" | 15-10-2018 - 19-10-2018 |
| 3 | Narkhede Ganesh | Assistant Professor | AICTE Sponsored QIP-short term course on "Supply chain management-2018" | 08-10-2018 - 13-10-2018 |
|  |  |  |  |  |
| **Term-II** | | | | |
| **S. No.** | **Name of the participant** | **Designation** | **Title of the FDP / professional development / administrative training program** | **Dates (from-to) (DD-MM-YYYY)** |
| 1 | Dr. P. S Gajjal | Associate Professor | Five day faculty development program on "Automotive product development & best manufacturing practices" | 06-02-2019 - 10-02-2019 |
| 2 | Dr. P. S Gajjal | Associate Professor | National workshop on "Solar thermal and electrical appliances" | 14-12-2018 - 15-12-2018 |
| 3 | Dr. P. S Gajjal | Associate Professor | One week orientation program on "Modern pedagogy and recent technological development | 10-12-2018 - 14-12-2018 |
| 4 | Ashwini T.Thombare | Assistant Professor | Five day faculty development program on "Automotive product development & best manufacturing practices" | 06-02-2019 - 10-02-2019 |
| 5 | Manoj Dahake | Assistant Professor | Five day faculty development program on "Automotive product development & best manufacturing practices" | 06-02-2019 - 10-02-2019 |
| 6 | M.P.Bauskar | Assistant Professor | One week orientation program on "Modern pedagogy and recent technological development | 10-12-2018 - 14-12-2018 |
| 7 | Nitin Gotkhindikar | Assistant Professor | Faculty development program in "Cyber security and data science " | 11-02-2019 - 17-02-2019 |

**AISSMS ENGINEERING TODAY-MECH-PULSE**

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| --- | --- | --- | --- | --- |
| **S N** | **Name of Event** | **Name of Faculty** |  |  |
| 1 | Model Making | Prof. D.S.Mane  Prof.(Dr.) Mannan Sayyed |  |  |
| 2 | Robo Race | Prof. O.A.More  Prof. M.U. Gan  Prof N.N. Gotkhindikar |  |  |
| 3 | Paper Presentation | Prof.(Dr.) M.R. Phate  Prof.(Dr.) C.S.Dharankar  Prof.(Dr.) S.J. Navale |  |  |
| 4 | Shuttle Bug  Treasure Hunt | Prof.Y.B.Karandikar  Prof.V.S.Wagare | 11th Sept 2018 | 35 Participants |
| 5. | Rocket Launcher | Prof. M.R. Dahake  Prof. S.S Vadgeri | 11 & 12 th Sept. 2018 |  |
| 6 | CAD-War | Prof P.S.Aglawe  Prof. M.P. Shah | 10 th Sept. 2018 | 60 Teams |
| 7 | Science Exhibition | Prof.(Dr.) P.S.Gajjal  Prof G.B. Narkhede |  |  |
| 8 | Decoration | Prof. V.R.Patil  Prof. S.S. Patil |  |  |
| 9 | Campaigning | Prof. K.L.Kumbhar  Prof. A.R. Takalkar |  |  |
| 10 | Registration | Prof. A.T.,Thombare |  |  |
| 11 | Publicity | Prof M S Swami |  |  |
| 12 | Printing | Prof.(Dr.) D Y Dhande  Prof A R Takalkar |  |  |

**GLIMPSES:**

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|  | A-Quest HVAC Quiz -2019 Quarter final powered by HITACHI was held at “AISSMS COLLEGE OF ENGINEERING, PUNE on 5th January 2019 for East zone ISHRAE chapters |
| Two days’ workshop on Basics of Altair Hypermesh by Mr. Iqbal Hussain (Teccam solution, Pune) |  |
|  | Industrial visit at “Sheenath Mhaskoba Sugar Factory” |
| Industrial Visit at “Thermax Solar Thermal Power Plant, A/P. Shive” |  |
| **BE Project Competition [Exhibition]- 2019** |  |
|  | **Science Exhibition, MECHPULSE 2018** |
| Inauguration of Aero design One day Workshop 2018, Organised by Team Garudashwa |  |
|  | With Shri. Sunil Bhatambrekar, Head- Product Engineering at Kalyani Maxion Wheels, Pune |
| Industrial Visit at “ Siddheshwar Industries Pvt.Ltd.”, Chinchwad |  |
|  | One day Teachers Training Workshop at “Knorr-Bremse Technology Centre, Hinjewadi, Pune” |
| One day workshop on “GD & T” |  |
|  | Technical Quiz on “Thermal and fluid Engineering “ organised by IEI students’ chapter |
| Industrial visit to Thermax |  |
|  | Expert talk on “Design Thinking” |
| Expert talk on Applications of CAD CAM in Manufacturing |  |
|  | Visit to Balgandhrav Rangmandir, Pune for observing Central Air Conditioning Plant |

