****

**DEPARTMENT OF MECHANICAL ENGINEERING**

**ANNUAL REPORT**

**(01 JUNE 2020 to 31MAY 2021)**

**TERM ONE: 01 June 2020 to 30 November 2020**

**TERM TWO: 01 December 2020 to 31May 2021**

**Academic Year 2020 – 21**

***Guidelines:***

*Fill up this sheet for all the contributions /activities conducted at* ***Department level only.***

* *In case data does not exist please mention it as ‘No Data’.*
* *Please add rows to the table below to suit your requirements*
* *Ensure that data does not differ from other official records and all the supporting documents are available.*
* ***Use: Font Type: Times New Roman, Font Size: 12, Sentence case, Spacing: 1.15***
* ***Use a separate row for every detail.***
* *For any queries, you may contact: Dr C S Choudhari, Coordinator, IQAC*
* *email:* [*iqac@aissmscoe.com*](mailto:iqac@aissmscoe.com)

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1. **PROFILE**

**OF**

**DEPARTMENT**

**1.1 INTRODUCTION**

|  |  |
| --- | --- |
| Year of Establishment | **1992/1996** |
| UG Programmes | **Mechanical/Mechanical sw** |
| PG Programmes | **Automotive , Design Engineering** |
| Number of Teaching Staff | **30** |
| Number of Non-Teaching Staff | **3+6=9** |

**1.2 LABORATORIES IN THE DEPARTMENT**

|  |  |
| --- | --- |
| **Name of Laboratory** | **Name of Laboratory** |
| 1. **Heat Engine Lab** | 1. **Automotive System Lab** |
| 1. **Metallurgy Lab** | 1. **Automotive Chassis lab** |
| 1. **Heat Transfer Lab** | 1. **PG Software Lab Auto** |
| 1. **TOM Lab** | 1. **PG Lab Design** |
| 1. **DOM Lab** | 1. **BME Lab** |
| 1. **Drawing Hall** | 1. **Central Facility** |
| 1. **Fluid Machinery Lab** | 1. **Mechatronics** |
| 1. **Fluid Power Lab** | 1. **Computer Graphics Lab** |
| 1. **RAC Lab** | 1. **Computer Centre** |
| 1. **Metrology Lab** | 1. **Inhouse Project** |
| 1. **CAD Lab** | 1. **CAE Lab** |

**1.3 SOFTWARES AVAILABLE IN THE DEPARTMENT**

|  |  |
| --- | --- |
| **Software Available** | **Software Available** |
| AutoCAD 2009 | MasterCAM X9 |
| Pro/Engineer WildFire 5.0 | ANSYS 16 |
| Altair Hyperworks R11 | MSC Adams |
| MATLab |  |

**1.4 FACULTY IN THE DEPARTMENT**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of faculty** | **Designation** | **Name of faculty** | **Designation** |
| **Dr B D Bachchhav** | **Professor** | **Mr P S Aglawe** | **Assistant Professor** |
| **Dr A V Waghmare** | **Associate Professor** | **Mr O A More** | **Assistant Professor** |
| **Dr D Y Dhande** | **Associate Professor** | **Mrs A T Thombare** | **Assistant Professor** |
| **Dr M R Phate** | **Associate Professor** | **Mr M S Swami** | **Assistant Professor** |
| **Dr Mrs P S Gajjal** | **Associate Professor** | **Mr G P Lohar** | **Assistant Professor** |
| **Dr M S Deshmukh** | **Associate Professor** | **Mrs M P Shah** | **Assistant Professor** |
| **Dr S V Chaitanya** | **Assistant Professor** | **Mr M R Dahake** | **Assistant Professor** |
| **Mr S R Patil** | **Assistant Professor** | **Mr M P Bauskar** | **Assistant Professor** |
| **Mr P V Deshmukh** | **Assistant Professor** | **Mr V S Wagare** | **Assistant Professor** |
| **Dr C S Choudhari** | **Assistant Professor** | **Mr K L Kumbhar** | **Assistant Professor** |
| **Mr A P Desale** | **Assistant Professor** | **Mr S S Vadgeri** | **Assistant Professor** |
| **Mr R A Marne** | **Assistant Professor** | **Mr D S Mane** | **Assistant Professor** |
| **Dr C S Dharankar** | **Assistant Professor** | **Miss S S Patil** | **Assistant Professor** |
| **Dr S J Navale** | **Assistant Professor** | **Mr N N Gotkhindikar** | **Assistant Professor** |
| **Mr M U Gan** | **Assistant Professor** | **Dr M M Sayyad** | **Assistant Professor** |

**1.5 DETAILS OF SUPPORTING STAFF**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of Technical Staff** | **Designation** | **Name of Non-Teaching Staff** | **Designation** |
| J N Khiratkar | Tech Asstt | S M Waghmare | Attendant |
| S K Jogdand | Lab Asstt | R S Amolik | Attendant |
| A A Jachak | Lab Asstt |  |  |
| R D Nalawade |  |  |  |
| P D Mahajan |  |  |  |
| P R Pharande |  |  |  |

**1.6 STUDENTS’ ENROLLMENT**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Programm** | **GEN** | | **SC** | | **ST** | | **OBC** | | **PWD** | | **Others** | | **Total** | |
|  | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** |
| **UG (Mech)** | 34 | 5 | 14 | 5 | 1 | 0 | 26 | 3 | 0 | 0 | 25 | 3 | 100 | 16 |
| **UG (Mech SW)** | 15 | 1 | 2 | 1 | 0 | 0 | 5 | 1 | 0 | 0 | 7 |  | 29 | 3 |
| **PG ( Auto)** | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| **PG (Design)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**1.7 STUDENTS–FACULTY FEEDBACK DETAILS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of faculty** | **Class and Division** | **Subject taught** | **Feedback (I) (%)** | **Feedback (II) (%)** | **Average Feedback (%)** |
| **Dr B D Bachchhav** | TE A | MQC | 84 | 87 | 85.5 |
| **Dr A V Waghmare** | BE B | HP | 81 | 80 | 80.5 |
| **Dr A V Waghmare** | BE A | HP | 75 | 75 | 75 |
| **Dr C S Choudhari** | TE A | HT | 82 | 83 | 82.5 |
| **Dr C S Dharankar** | BE A | DOM | 78 | 76 | 77 |
| **Dr D Y Dhande** | TE MS | ACAE | 85 | 87 | 86 |
| **Dr M R Phate** | TE MS | MD | 82 | 83 | 82.5 |
| **Dr M R Phate** | BE A | OR | 72 | 90 | 81 |
| **Dr M R Phate** | BE B | OR | 81 | 91 | 86 |
| **Dr M S Deshmukh** | BEB | HVAC | 96 | 95 | 95.5 |
| **Dr M S Deshmukh** | BE A | HVAC | 79 | 80 | 79.5 |
| **Dr M S Deshmukh** | SE A | ET | 80 | 84 | 82 |
| **Dr P S Gajjal** | SE A | Solid Mechanics | 86 | 84 | 85 |
| **Dr P S Gajjal** | SE B | Solid Mechanics | 87 | 92 | 89.5 |
| **Dr S J Navale** | TE MS | HT | 86 | 88 | 87 |
| **Prof A T Thombare** | TE A | TOM II | 76 | 79 | 77.5 |
| **Prof A T Thombare** | TE B | TOM II | 78 | 76 | 77 |
| **Prof D S Mane** | SE B | EMM | 87 | 91 | 89 |
| **Prof K L Kumbhar** | BE B | EAM | 83 | 83 | 83 |
| **Prof M P Bauskar** | TE B | MQC | 78 | 77 | 77.5 |
| **Prof M P Shah** | BE A | FEA | 80 | 85 | 82.5 |
| **Prof M P Shah** | BE B | FEA | 85 | 85 | 85 |
| **Prof M R Dahake** | TE B | HT | 80 | 78 | 79 |
| **Prof M S Swami** | SE A | EMM | 81 | 85 | 83 |
| **Prof M S Swami** | SEMS | SMD | 75 | 72 | 73.5 |
| **Prof M U Gan** | TE A | TM | 78 | 83 | 80.5 |
| **Prof M U Gan** | TEB | TM | 82 | 77 | 79.5 |
| **Prof N N Gotkhindikar** | SE MS | EMM | 80 | 78 | 79 |
| **Prof P S Aglawe** | BE B | CCA | 76 | 77 | 76.5 |
| **Prof P S Aglawe** | SE B | SMD | 77 | 80 | 78.5 |
| **Prof S R Patil** | TE A | DME I | 80 | 80 | 80 |
| **Prof S S Patil** | SE MS | Solid Mechanics | 75 | 73 | 74 |
| **Prof S S Vadgeri** | BE B | DOM | 88 | 90 | 89 |
| **Prof Dr S V Chaitanya** | BE B | AE | 90 | 93 | 91.5 |
| **Prof V S Wagare** | TE MS | NMO | 88 | 88 | 88 |
| **Prof A P Desale** | SE B | ET | 62 | 79 | 70.5 |
| **Prof A P Desale** | BE A | EAM | 77 | 78 | 77.5 |
| **Prof R A Marne** | TE B | DME I | 80 | 78 | 79 |
| **Prof O A More** | TE MS | MTX | 75 | 81 | 78 |
| **Prof Prashnat Deshmukh** | SE A | SMD | 74 | 81 | 77.5 |
| **Prof Prashnat Deshmukh** | BE A | CCA | 73 | 77 | 75 |
| **Prof Prashnat Deshmukh** | BE B | CCA | 73 | 77 | 75 |
| **Prof G P Lohar** | SE MS | ET | 76 | 73 | 74.5 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term Two** | | | | | | |
| **Name of faculty** | **Class** | **Subject taught** | **Feedback (I) (%)** | **Feedback (II) (%)** | **Average**  **Feedback (%)** |
| **Dr B D Bachchhav** | SE MS | ME | 82 | 86 | 84 |
| **Dr B D Bachchhav** | BE B | AMP | 90 | 85 | 87.7 |
| **Dr A V Waghmare** | BE MS | HP | 88 | 92 | 90 |
| **Dr C S Choudhari** | TE A | RAC | 85 | 85 | 85 |
| **Dr C S Dharankar** | BE MS | MV | 81 | 88 | 84.5 |
| **Dr D Y Dhande** | TE B | DME II | 82 | 80 | 81 |
| **Dr M R Phate** | BE A | MSD | 77 | 71 | 74 |
| **Dr M S Deshmukh** | TE B | RAC | 83 | 85 | 84 |
| **Dr P S Gajjal** | BE MS | MSD | 92 | 94 | 93 |
| **Dr S J Navale** | SE A | AT | 80 | 80 | 80 |
| **Prof A T Thombare** | SE B | KOM | 82 | 73 | 77.5 |
| **Prof D S Mane** | SE B | MP | 88 | 78 | 83 |
| **Prof D S Mane** | BE B | IE | 90 | 84 | 87 |
| **Prof K L Kumbhar** | SE MS | FM | 68 | 81 | 74.5 |
| **Prof M P Bauskar** | TE B | MP II | 80 | 80 | 80 |
| **Prof M P Shah** | BE MS | FEA | 87 | 97 | 92 |
| **Prof M R Dahake** | SE B | AT | 84 | 78 | 81 |
| **Prof M S Swami** | BE MS | EAM | 85 | 91 | 88 |
| **Prof M S Swami** | BE B | EE | 87 | 84 | 85.5 |
| **Prof M U Gan** | SE A | FM | 77 | 76 | 76.5 |
| **Prof M U Gan** | SE B | FM | 81 | 72 | 76.5 |
| **Prof N N Gotkhindikar** | SE A | MP | 82 | 81 | 81.5 |
| **Prof P S Aglawe** | TE A | NMO | 81 | 80 | 80.5 |
| **Prof S R Patil** | SE MS | KOM | 75 | 80 | 77.5 |
| **Prof S S Patil** | TE A | MP II | 82 | 86 | 84 |
| **Prof S S Vadgeri** | BE B | MSD | 90 | 87 | 88.5 |
| **Prof Dr S V Chaitanya** | BE A | IE | 76 | 73 | 74.5 |
| **Prof V S Wagare** | TE B | NMO | 77 | 80 | 78.5 |
| **Prof A P Desale** | BE MS | EE | 73 | 87 | 80 |
| **Prof A P Desale** | BE A | EE | 75 |  |  |
| **Prof R A Marne** | TE A | DME II | 81 | 78 | 79.5 |
| **Prof O A More** | TE A | MTX | 78 | 74 | 76 |
| **Prof O A More** | TE B | MTX | 75 | 79 | 77 |
| **Prof P V Deshmukh** | BE B | PDD | 86 | 74 | 80 |
| **Prof P V Deshmukh** | BE A | PDD | 78 | 75 | 76.5 |
| **Prof G P Lohar** | SE MS | TE | 79 | 85 | 82 |
| **Dr. M M Sayyad** | SE A | KOM | 79 | 83 | 81 |

**1.8 RESULT ANALYSIS (LAST TERM)(Academic Year: 2019-20 Term: II) May 2020**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **2019-20 Term Two** | | | | | |
| **Name of faculty** | **Class and Subject Taught** | **% passing** | **Name of faculty** | **Class and Subject Taught** | **% passing** |
| **Mr M U Gan** | SE (M) A Fluid Mech | 100 | **Mr M U Gan** | SE (M) B Fluid Mech | 100 |
| **Mrs A T Thombare** | SE (M) A Theory of M/C I | 100 | **Mrs A T Thombare** | SE (M) B Theory of M/C I | 100 |
| **Mr M S Swami** | SE (M) AEngg Meta | 100 | **Mr N N Gotkhindikar** | SE (M) B Engg Meta | 100 |
| **Dr S J Navale** | SE (M) AApp Thermo | 100 | **Mr M R Dahake** | SE (M) B App Thermo | 100 |
| **Mr Shinde** | SE (M) A EEE | 100 | **Mr Shinde** | SE (M) B EEE | 100 |
| **Mr P S Aglawe** | TE (Mech) A NMO | 100 | **Mrs M P Shah** | TE (Mech) B NMO | 100 |
| **Mr R A Marne** | TE (Mech) A DME II | 100 | **Dr D Y Dhande** | TE (Mech) B DME II | 100 |
| **Dr C S Choudhari** | TE (Mech) A RAC | 100 | **Dr M S Deshmukh** | TE (Mech) B RAC | 100 |
| **Mr O A More** | TE (Mech) A Mechatronics | 100 | **Mr O A More** | TE (Mech) B Mechatronics | 100 |
| **Mrs S S Patil** | TE (Mech) A Mfg Process II | 100 | **Mr M P Bauskar** | TE (Mech) B Mfg Process II | 100 |
| **Mr A P Desale** | BE (Mech) A Energy Engg | 98.63 | **Mr K L Kumbhar** | BE (Mech) A  Energy Engg | 100 |
| **Dr M R Phate** | BE (Mech) A MSD | 100 | **Dr P S Gajjal** | BE (Mech) A MSD | 100 |
| **Dr S V Chaitanya** | BE (Mech) A Ind Engg | 100 | **Mr D S Mane** | BE (Mech) A Ind Engg | 100 |
| **Mr V S Wagare** | BE (Mech) A Robotics | 100 | **Mr V S Wagare** | BE (Mech) A Robotics | 100 |
| **Dr B D Bachchhav** | BE (Mech) A AMP | 100 | **Dr B D Bachchhav** | BE (Mech) A AMP | 100 |
| **Mr A R Takalkar** | BE (Mech) A PDD | 100 | **Mr A R Takalkar** | BE (Mech) A PDD | 100 |
| **Mr G P Lohar** | SE MS Th Engg | 100 | **Dr A V Waghmare** | BE (MS) Energy Engg | 100 |
| **Mr M P Bauskar** | SE MS MQC | 100 | **Mr S S Vadgeri** | BE (MS) MSD | 100 |
| **Dr B D Bachchhav** | SE MS Mfg. Engg | 100 | **Dr C S Dharankar** | BE (MS) MV | 100 |
| **Mr S R Patil** | SE MS TOM | 100 | **Mr K S Kolambe** | BE (MS) Hyd & Pneu | 100 |
| **Ms S S Mujawar** | SE MS EEE | 100 | **Dr M S Deshmukh** | BE (MS) EAM | 100 |
| **Self Study** | TE MS M& Mfg Engg | 100 | **Dr M R Phate** | BE (MS) OR | 100 |
| **Self Study** | TE MS Ind Engg & Tech Mgt | 100 |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **AY 2020-21 Term one Oct/Nov 2020** | | | | | |
| **Name of faculty** | **Class and Subject Taught** | **% passing** | **Name of faculty** | **Class and Subject Taught** | **% passing** |
| Dr P S Gajjal | SE Mech A SOLID MECHANICS | 100.00 | Dr P S Gajjal | SE Mech B SOLID MECHANICS | 100.00 |
| Mr P V Deshmukh | SE Mech A SOLID MODELING & DRAFTING | 100.00 | Mr P S Aglawe | SE Mech B SOLID MODELING & DRAFTING | 100.00 |
| Dr M S Deshmukh | SE Mech A ENGINEERING THERMODYNAMICS | 100.00 | Mr A P Desale | SE Mech B ENGINEERING THERMODYNAMICS | 98.80 |
| Mr M S Swami | SE Mech A ENGG. MATERIALS & METALLURGY | 100.00 | Mr D S Mane | SE Mech B ENGG. MATERIALS & METALLURGY | 98.80 |
| Ms Simeen Mujawar | SE Mech A ELECTR. & ELECTRONICS ENGG. | 100.00 | Ms Simeen Mujawar | SE Mech B ELECTR. & ELECTRONICS ENGG. | 98.80 |
| Mr S R Patil | TE Mech A Design of Machine Elements – I | 100.00 | Mr R A Marne | TE Mech B Design of Machine Elements – I | 100.00 |
| Dr C S Choudhri | TE Mech A Heat Transfer | 100.00 | Mr M R Dahake | TE Mech B Heat Transfer | 100.00 |
| Mrs A T Thombare | TE Mech A Theory of Machines-II | 100.00 | Mrs A T Thombare | TE Mech B Theory of Machines-II | 100.00 |
| Mr M U Gan | TE Mech A Turbo Machines | 100.00 | Mr M U Gan | TE Mech B Turbo Machines | 100.00 |
| Dr B D Bachchhav | TE Mech A Metrology and Quality Control | 100.00 | Mr M P Bauskar | TE Mech B Metrology and Quality Control | 100.00 |
| Dr A V Waghmare | BE Mech A Hydraulics and Pneumatics | 100.00 | Dr A V Waghmare | BE Mech B Hydraulics and Pneumatics | 100.00 |
| Mr P V Deshmukh | BE Mech A CAD CAM Automation | 100.00 | Mr P S Aglawe | BE Mech B CAD CAM Automation | 100.00 |
| Dr C S Dharankar | BE Mech A Dynamics of Machinery | 100.00 | Mr S S Vadgeri | BE Mech B Dynamics of Machinery | 100.00 |
| Mrs M P Shah | BE Mech A Finite Elements Analysis | 100.00 | Mrs M P Shah | BE Mech B Finite Elements Analysis | 100.00 |
| Dr M S Deshmukh | BE Mech A HVAC | 100.00 | Dr M S Deshmukh | BE Mech B HVAC | 100.00 |
| Dr M R Phate | BE Mech A Operation Research | 100.00 | Dr M R Phate | BE Mech B Operation Research | 100.00 |
| Mr A P Desale | BE Mech A Energy Audit and Mgt | 100.00 | Mr K L Kumbhar | BE Mech B Energy Audit and Mgt | 100.00 |
| Dr S V Chaitanya | BE Mech A Automobile Engineering | 100.00 | Dr S V Chaitanya | BE Mech B Automobile Engineering | 100.00 |
| Mrs S S Patil | SE Mech Sand SOLID MECHANICS | 97.53 | Dr S J Navale | TE Mech Sand Heat Transfer | 100.00 |
| Mr M S Swami | SE Mech Sand SOLID MODELING & DRAFTING | 98.77 | Mr V S Wagare | TE Mech Sand NUM. Method & Optimization | 100.00 |
| Mr G P Lohar | SE Mech Sand ENGINEERING THERMODYNAMICS | 100.00 | Mr O A More | TE Mech Sand Mechatronics | 100.00 |
| Mr N N Gotkhindikar | SE Mech Sand ENGG. MATERIALS & METALLURGY | 98.77 | Dr D Y Dhande | TE Mech Sand Applied Computer Aided Engg. | 100.00 |
| Mr R S Shinde | SE Mech Sand ELECTR. & ELECTRONICS ENGG. | 100.00 | Dr M R Phate | TE Mech Sand Machine Design | 100.00 |

**1.9 CLASS RESULT ANALYSIS (LAST TERM) (Academic Year: 2019-20 Term: II) Apr/May 2020**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2019-20 Term Two May 2020 Result** | | | | | | | | | | | | | | |
| **SN** | **Class** | **No. Of Students** | | | | | | | | | | **Percentage of Passing** | | |
| **Appeared** | **Clear Passed** | **Outstanding**  **(O)**  **(9 -10)** | **Excellent**  **(A+)**  **(8.5 – 8.99)** | **Very Good (A)**  **(7.5 – 8.49)** | **Good (B+)**  **(6.5 – 7.49)** | **Above Average (B)**  **(5.5 – 6.49)** | **Average / Pass Class**  **(4.25 – 5.49 )** | **Fail**  **(F)**  **0 – 3.99** | **All Clear** | | **With ATKT** |
| 1 | SE M Div A | 67 | 34 | 33 | 1 | 0 | 0 | 0 | 0 | 0 | 50.75 | | 100 |
| 2 | SE M Div B | 66 | 40 | 39 | 1 | 0 | 0 | 0 | 0 | 0 | 62.50 | | 100 |
| 3 | TE M Div A | 67 | 43 | 31 | 9 | 0 | 0 | 0 | 0 | 0 | 64.18 | | 100 |
| 4 | TE M Div B | 71 | 41 | 32 | 9 | 0 | 0 | 0 | 00 | 0 | 57.75 | | 100 |
| 5 | BE M Div A | 73 | 66 | 25 | 37 | 4 | 0 | 0 | 0 | 0 | 90.41 | |  |
| 6 | BE M Div B | 77 | 73 | 35 | 31 | 7 | 0 | 0 | 0 | 0 | 94.8 | |  |
| 7 | SE MS | 67 | 30 | 26 | 4 | 0 | 0 | 0 | 0 | 0 | 44.78 | | 100 |
| 8 | TE MS | 63 | 43 | 37 | 6 | 0 | 0 | 0 | 0 | 0 | 68.25 | | 100 |
| 9 | BE MS | 57 | 55 | 32 | 21 | 0 | 0 | 0 | 00 | 0 | 96.49 | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **2020-21 Term One Oct/Nov 2020 Result** | | | | | | | | | | | | | | |
| **SN** | **Class** | **No. Of Students** | | | | | | | | | | **Percentage of Passing** | |
| **Appeared** | **Clear Passed** | **Outstanding**  **(O)**  **(9 -10)** | **Excellent**  **(A+)**  **(8.5 – 8.99)** | **Very Good (A)**  **(7.5 – 8.49)** | **Good (B+)**  **(6.5 – 7.49)** | **Above Average (B)**  **(5.5 – 6.49)** | **Average / Pass Class**  **(4.25 – 5.49 )** | | **Fail**  **(F)**  **0 – 3.99** | **All Clear** | **With ATKT** |
| 10 | SE Mech A | 86 | 86 | 18 | 59 | 9 | -- | -- | -- | -- | 0 | 100 | 100 |
| 02 | SE Mech B | 85 | 83 | 15 | 48 | 15 | 1 | -- | -- | 4 | 2 | 97.65 | 100 |
| 03 | TE Mech A | 70 | 68 | 68 | -- | -- | -- | -- | -- | -- | 2 | 97.00 | 100 |
| 04 | TE Mech B | 78 | 78 | 77 | 1 | -- | -- | -- | -- | -- | 0 | 100 | 100 |
| 05 | BE Mech A | 69 | 68 | 67 | -- | -- | -- | -- | -- | 1 | -- | 98.55 | 100 |
| 06 | BE Mech B | 70 | 70 | 70 | -- | -- | -- | -- | -- | -- | -- | 100 | 100 |
| 07 | SE Mech SW | 81 | 77 | 19 | 45 | 12 | 1 | -- | -- | -- | 4 | 95.06 | 100 |
| 08 | TE Mech S/W | 79 | 79 | 79 | -- | -- | -- | -- | -- | -- | -- | 100 | 100 |
| 09 | BE Mech S/W | 72 | 72 | 68 | 4 | -- | -- | -- | -- | -- | -- | 100 | 100 |

**1.10 UNIVERSITY RANKERS (LAST ACADEMIC YEAR) (Academic Year: 20-21 )**

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| **Term One** | | | |
| **Sr No** | **Name of the Ranker** | **Class** | **Rank** |
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| (start on new page) Few photographs of Labs, final year class group photos, faculty and staff group photos, photo of special facility available in the department, news published in the print media, any significant achievement of department | |
| Size of photo 5 cm x 7 cm with captions |  |
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1. **FACULTY CONTRIBUTION**

**2.1 ACHIEVEMENTS OF FACULTY** (AWARDS, RECOGNITION, PHD COMPLETION ETC.)

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| **Term One** | | |
| **SN** | **Name of Faculty** | **Awards & Recognition** |
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| **Term Two** | | |
| **SN** | **Name of Faculty** | **Awards & Recognition** |
| 1. | Dr D Y Dhande | Recognition as a PhD guide by SPPU, Pune vide its letter number BOD/Sci.&Tech./18/158 dated 19/07/2021 |

**2.2 CONTRIBUTION OF FACULTY (Interaction with outside world)**

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| **Term One** | | |
| **SN** | **Name of Faculty** | **Nature and details of contribution (Representation at University, State, National , International level, corporate world, Social Platforms, etc)** |
| 1 | Dr A V Waghmare | Member, Board of Studies, Automobile and Mechanical Engineering, Savitribai Phule Pune University. |
| 2 | Dr A V Waghmare | Convener, Students’ Convention, SAEINDIA WS 2021. |
| 3 | Dr C S Choudhari | Subject chairman at SPPU level for the subject of Refrigeration and Air conditioning |
| 4. | Dr D Y Dhande | Chairman, Applied Computer Aided Engineering for Dec 2020 Examinations, TE (Mech.SW)  Chairman, Research Methodology for Dec 2020 examinations, ME (Mechanical Engineering) |
| 5 | Dr B D Bachchhav | Subject chairman at SPPU level for the subjects:  Manufacturing Engineering (SE MS) 2015 & 2019 Course  Manufacturing Processes (TE Mechanical) 2015 course |

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| **Term Two** | | |
| **SN** | **Name of Faculty** | **Nature and details of contribution (Representation at University, State, National , International level, corporate world, Social Platforms, etc)** |
| 1. | Dr D Y Dhande | 1.Chairman, Applied Computer Aided Engineering for May 2021 Examinations, TE (Mech.SW)  2 .Chairman, Research Methodology for May 2021 examinations, ME (Mechanical Engineering)   1. Member, Syllabus reformation committee for Design of Machine Element, TE(Mechanical Engineering) 2019 course 2. Member, Syllabus reformation committee for AI and ML, TE(Mechanical Engineering) 2019 course 3. Member, Syllabus reformation committee for Fundamentals of Computer Aided Engineering, TE(Mechanical SW Engineering) 2019 course |
| 2 | M M Sayyad | Mentor for University Thesis Program by Konecranes |
| 3 | Dr B D Bachchhav | Subject chairman at SPPU level for the subjects:  Manufacturing Engineering (SE MS) 2015 & 2019 Course  Manufacturing Processes (TE Mechanical) 2015 course |

**2.3 e CONTENT DEVELOPED BY FACULTY AND AVAILABLE ONLINE**

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| **Term One** | | | | | |
| **Sr No.** | **Name of Faculty** | **Title of e-content** | **e-content development facility/platform** | **link of the content** |
| **1** | **S S Vadgeri** | **Dynamics of Machinery: BE MEHC: B** | **Google Drive** | [**https://drive.google.com/drive/folders/1ft3yPUtO2DEsG8PR2Rxa9X2EU98-XCV-?usp=sharing**](https://drive.google.com/drive/folders/1ft3yPUtO2DEsG8PR2Rxa9X2EU98-XCV-?usp=sharing) |
| **2** | **V S Wagare** | **Numerical Methods & Optimization- TE Mech B** | **Google Drive** | **https://drive.google.com/drive/u/1/folders/1JNDR\_tUyE4ufluXpsDk5K11YZnmoCZqd** |
| **3** | **K L Kumbhar** | **Energy Audit and Management**  **BE M B** | **Google Drive** | **https://drive.google.com/drive/folders/1TYqajt-omaIuBC-itD5vmzheNN2XP2Nc** |
| **4.** | **S S Patil** | **Solid Mechanics** | **Google Drive** | **https://drive.google.com/drive/folders/1l0jONZeCd\_-ITOmjS697LPwxA9eWrPl9** |
| **5** | **M P SHAH** | **Finite Element Analysis** | **Google Drive** | [**https://drive.google.com/drive/u/0/folders/1B2\_kBhfehOA3x9WD7KewzEMShRSfHtIg**](https://drive.google.com/drive/u/0/folders/1B2_kBhfehOA3x9WD7KewzEMShRSfHtIg)  **https://drive.google.com/drive/u/0/folders/164bOf\_5-Mmza0YcBfCY\_\_0Mcv1zhWXjK** |
| **6** | **N N Gotkhindikar** | **Engineering Metallurgy & Material Science** | **Website** | [**https://nngk77engg.wordpress.com/**](https://nngk77engg.wordpress.com/) |

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| **Term Two** | | | | |
| **Sr No.** | **Name of Faculty** | **Title of e-content** | **e-content development facility/platform** | **link of the content** |
| **1** | **S S Patil** | **Manufacturing Process II** | **Google classroom** | **code: henz5q6** |
| **2** | **N N Gotkhindikar** | **Manufacturing Processes** | **Google classroom** | **Code: tal3crc** |

**2.4 FDP/STTP ATTENDED BY THE DEPARTMENT FACULTY**

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| **Term ONE** | | | | | |
| **S N** | **Name of Faculty** | **Designation** | **Title of the Seminar/Webinar and Organised By** | **Duration/ Dates** |
| 1 | Dr B D bachchhav | Professor | AICTE Sponsored one week online short term training program on Recent Advances IN Materials & Manufacturing: Part iii | 05-10-2020 - 10-10 -2020 |
| 2 | Dr B D bachchhav | Professor | Short term training program on 'Recent Advances in Materials & Manufacturing: Part i | 03-08-2020 - 08-08-2020 |
| 3 | Dr. A V Waghmare | Associate Professor | Faculty development program on "Website Development Using Wordpress" | 14-06-2021 - 19 -06 -2021 |
| 4 | Dr. A V Waghmare | Associate Professor | Faculty development program on "Outcome Based Education Software" | 7/9/2020 |
| 5 | Dr. A V Waghmare | Associate Professor | E-QUIZ on Total Quality Management | 09-07-2020 - 16-07-2020 |
| 6 | Dr. A V Waghmare | Associate Professor | Participated in virtual labs : Hands-on workshop | 7/18/2020 |
| 7 | Dr. A V Waghmare | Associate Professor | Human Rights & Duties in Pandemic era | 7/5/2020 |
| 8 | Dr. A V Waghmare | Associate Professor | National Seminar on Ancient Indian Science and Technology | 7/13/2020 |
| 9 | Dr. A V Waghmare | Associate Professor | Program "Coffe & Conversation with Alumni" | 8/5/2020 |
| 10 | Dr. A V Waghmare | Associate Professor | A Session "Factory automation and Manufacturing automation' | 7/9/2020 |
| 11 | Dr. A V Waghmare | Associate Professor | Webinar on W1- Vision Mission and PEOS FOR Technical | 7/7/2020 |
| 12 | Dr. A V Waghmare | Associate Professor | Expectation of Industry Vs Education Systems Preparedness | 7/10/2020 |
| 13 | Dr. A V Waghmare | Associate Professor | Webinar on W3 - Course outcomes and domains of learning | 7/14/2020 |
| 14 | Dr. A V Waghmare | Associate Professor | Webinar W7-Information required for student performance | 8/6/2020 |
| 15 | Dr. A V Waghmare | Associate Professor | Webinar W8- Compiling faculty information and contribution | 8/13/2020 |
| 16 | Dr. A V Waghmare | Associate Professor | Webinar W9-continuous improvement institutional governance and support system | 8/18/2020 |
| 17 | Dr. A V Waghmare | Associate Professor | Webinar W12-Action plan to prepare institute for accreditation | 8/27/2020 |
| 18 | Dr. A V Waghmare | Associate Professor | Special lecture on "Human Rights & Duties in Pandemic era' | 7/5/2020 |
| 19 | Dr. A V Waghmare | Associate Professor | A Session "Factory automation and Manufacturing automation' | 7/9/2020 |
| 20 | Dr. A V Waghmare | Associate Professor | Virtual labs : hands on workshop | 7/18/2020 |
| 21 | Dr M R Phate | Professor | AICTE AQIS Sponsored short term training program on "Advances in additive manufacturing" | 24-08-2020 - 29-08-2020 |
| 22 | Dr M R Phate | Professor | AICTE Sponsored one week online short term training program on "Recent advances in materials and manufacturing :part 1" | 03-08-2020 - 08-08-2020 |
| 23 | Dr M R Phate | Professor | One- week online faculty development program on "Research methodology tools and techniques(RMTT) | 29-05-2020 - 02-06-2020 |
| 24 | Dr D Y Dhande | Professor | 6 days AICTE sponsored online STTP series on recent advances in tribology and surface engineering : series 3 of 4 | 12-10-2020 - 17-10-2020 |
| 25 | Dr D Y Dhande | Professor | One week TEQIP sponsored online faculty development programme on application of FEA & CFD using ANSYS | 13-06-2020 - 17-06-2020 |
| 26 | Dr D Y Dhande | Professor | FDP on "FEM/CFD" | 14-10-2020 - 18-10-2020 |
| 27 | Dr D Y Dhande | Professor | FDP on "Tribology in Design and Manufacturing" | 23-11-2020 - 27-11-2020 |
| 28 | Dr D Y Dhande | Professor | 6 days AICTE sponsored STTP Series on "Recent Advances in Tribology and Surface Engineering : SERIES 2 OF 4- Tribology of machine components abd applied tribology | 14-09-2020 - 19-09-2020 |
| 29 | Dr D Y Dhande | Professor | AICTE Sponsored six days STTP on "Developing Research and Development Culture in industry institute interaction oriented modern teching learning & project based learning' | 14-09-2020 - 19-09-2020 |
| 30 | Dr D Y Dhande | Professor | virtual international short term course on tribology & sustainability | 24-08-2020 - 28-08-2020 |
| 31 | Dr D Y Dhande | Professor | AICTE Sponsored one week STTP on "Advances in tribology" | 04-11-2019 09-11-2020 |
| 32 | Dr D Y Dhande | Professor | 6 Days AICTE Sponsored STTP Series on Recent advances in tribology and surface engineering series 1 of 4 | 17-08-2020 -22-08-2020 |
| 33 | Dr D Y Dhande | Professor | virtual international short term course on tribology & sustainability | 24-08-2020 - 28-08-2020 |
| 34 | Dr D Y Dhande | Professor | Webinar series on Recent Research trends in tribology | 03-08-2020 -07-08-2020 |
| 35 | Dr D Y Dhande | Professor | 12th summer scholl in tribology in a webinar | 21-07-2020 - 25-07-2020 |
| 36 | Dr M S Deshmukh | Asscoiate Professor | Webinar series on fundamental of combustion | 15-06-2020 - 18-06-2020 |
| 37 | Dr M S Deshmukh | Asscoiate Professor | Webinar on 'Role of curriculum design anddevelopment in quality education' | 7/12/2020 |
| 38 | Dr M S Deshmukh | Asscoiate Professor | National level online quiz on E-learning | 6/17/2020 |
| 39 | Dr M S Deshmukh | Asscoiate Professor | Leadership talk with mahesh babu ceo mahindra electric mobility ltd |  |
| 40 | Dr.S.V.Chaitanya | Associate Professor | FDP "3D Printing & Design" | 24-08-2020 - 28-08-2020 |
| 41 | Dr.S.V.Chaitanya | Associate Professor | FDP on " Leadership & Excellence" | 07-09-2020 - 11-09-2020 |
| 42 | Dr.S.V.Chaitanya | Associate Professor | FDP on Design Thinking" | 21-06-2021 - 25-06-2021 |
| 43 | Dr.S.V.Chaitanya | Associate Professor | Awareness webinar on outcome based education and accredition | 11/27/2020 |
| 44 | Dr.S.V.Chaitanya | Associate Professor | Webinar W8 - COMPLING FACULTY INFORMATION AND CONTRIBUTION | 8/13/2020 |
| 45 | Dr.S.V.Chaitanya | Associate Professor | Webinar W10- APPLYING FOR ACCREDITATION | 8/20/2020 |
| 46 | Dr.S.V.Chaitanya | Associate Professor | Webinar W11- PLANNING REQUIRED DURING THE VISIT AND POST - VISIT ACTIVITIES | 8/25/2020 |
| 47 | Dr.S.V.Chaitanya | Associate Professor | Webinar W12 - ACTION PLAN TO PREPARE INSTITUTE FOR ACCREDITATION | 8/27/2020 |
| 48 | Dr.S.V.Chaitanya | Associate Professor | WEBINOR ON HOW TO PUBLISH PAPERS IN HIGH RANKING JOURNALS | 9/19/2020 |
| 49 | Dr.S.V.Chaitanya | Associate Professor | Webinar on ROLE OF PROFESSIONAL STUDENT CHAPTER IN ENHANCING ENGG STUDENTS CAREER GROWTH AND INCREASING OPPORTUNITIES | 6/26/2021 |
| 50 | Dr.S.V.Chaitanya | Associate Professor | WEBINAR MEMS AND APPLICATIONS | 9/19/2020 |
| 51 | Dr.S.V.Chaitanya | Associate Professor | WEBINAR ON EMOTIONAL INTELLIGENCE & NEURO BALANCING | 7/18/2020 |
| 52 | Mr  P V Deshmukh | Assistant Professor | ONE WEEK FACULTY DEVELOPMENT PROGRAM QCAD | 27-07-2020 - 31-07-2020 |
| 53 | Mr  P V Deshmukh | Assistant Professor | FDP ON 3D PRINTING & DESIGN | 02-11-2020 - 06-11-2020 |
| 54 | Mr  P V Deshmukh | Assistant Professor | ONLINE TECHING | 2020-21 |
| 55 | Mr  P V Deshmukh | Assistant Professor | COLLABORATIVE WORKING IN A REMOTE TEAM | 2020-21 |
| 56 | Mr  P V Deshmukh | Assistant Professor | DIGITAL SKILLS ARTIFICIAL INTELLGENCE | 2020-21 |
| 57 | Dr C S Dharankar | Assistant Professor | FDP on electric vehicles | 05-10-2020 - 09-10-2020 |
| 58 | Dr C S Dharankar | Assistant Professor | four day online workshop on "Fundamental vehicle dynamics and pratical know how of vehicle engineering with introductory coverage of electric and hybrid vehicle' | 25th 26th -09 -2020 - 03th 04th -10-2020 |
| 59 | Mr  M U Gan | Assistant Professor | One week FDP ON "Research in energy technologies' | 06-07-2020 - 11-07-2020 |
| 60 | Mr  M U Gan | Assistant Professor | FDP on " electric vehicle its prespectives & issues' | 19-08-2020 - 21-08-2020 |
| 61 | Mr  M U Gan | Assistant Professor | virtual labs hands on workshop | 7/18/2020 |
| 62 | Ashvini Tanaji Thombare | Assistant Professor | One week online FDP on 'Recent developments in vibration and acoustics' | 10-08-2020- 14-08-2020 |
| 63 | Ashvini Tanaji Thombare | Assistant Professor | One week National level online FDP on "Recent trends in mechatronics and automation" | 30-06-2020 - 04-07-2020 |
| 64 | Ashvini Tanaji Thombare | Assistant Professor | Three days FDP on "Electric vehicle its prespectives & issues' | 19-08-2020 - 21-08-2020 |
| 65 | Ashvini Tanaji Thombare | Assistant Professor | AICTE sponsored one week online STTP on "Recent advances in materials and manufacturing part 1" | 03-08-2020 -08-08-2020 |
| 66 | Ashvini Tanaji Thombare | Assistant Professor | Webinar W5- prepare course and programme articulation matrices | 7/23/2020 |
| 67 | Ashvini Tanaji Thombare | Assistant Professor | Webinar w4 - assessment of Cos POS AND PSOs | 7/21/2020 |
| 68 | Ashvini Tanaji Thombare | Assistant Professor | Webinar w8- compiling faculty iformation and contribution | 8/13/2020 |
| 69 | Ashvini Tanaji Thombare | Assistant Professor | Webinar w9 - continuous improvement insitutional governance and support system | 8/18/2020 |
| 70 | Mr M S Swami | Assistant Professor | AICTE sponsored one week online STTP on "Recent advances in materials and manufacturing part 1" | 03-08-2020 - 08-08-2020 |
| 71 | Mr M S Swami | Assistant Professor | FDP ON electric vehicle its perspectives & issues | 19-08-2020 - 21-08-2020 |
| 72 | Mrs  M P Shah | Assistant Professor | One week National level online FDP on "Recent trends in mechatronics and automation" | 30-06-2020 - 04-07-2020 |
| 73 | Mrs  M P Shah | Assistant Professor | AICTE sponsored one week online STTP on "Recent advances in materials and manufacturing part 1" | 03-08-2020 - 08-08-2020 |
| 74 | Mrs  M P Shah | Assistant Professor | AICTE sponsored online STTP on 'sofware tools used in finitr elements analysis' | 03-08-2020 - 08-08-2020 |
| 75 | Mrs  M P Shah | Assistant Professor | National level one week online FDP on "Advanced teaching tools, Techniques and methodologies for outcome based education" | 01-06-2020 - 05-06-2020 |
| 76 | Mrs  M P Shah | Assistant Professor | Three days FDP on "electric vehicle its prespectives & issues" | 19-08-2020 - 21-08-2020 |
| 77 | Dr M R Dahake | Assistant Professor | One week STTP on "perspective on bharat stages VI norms in IC engines' | 24-08-2020 - 29-08-2020 |
| 78 | Dr M R Dahake | Assistant Professor | FDP on electric vehicles | 05-10-2020 - 09-10-2020 |
| 79 | Mr M P Bauskar | Assistant Professor | FDP on "electric vehicles its prespectives & issues" | 19-08-2020- 21-08-2020 |
| 80 | Mr M P Bauskar | Assistant Professor | FDP on electric vehicles | 05-10-2020-09-10-2020 |
| 81 | Mr M P Bauskar | Assistant Professor | webinar on six sigma | 24-Oct-20 |
| 82 | Mr M P Bauskar | Assistant Professor | NPTEL Online certification "introduction to composites' | Sep to Dec 2020 |
| 83 | Mr  O A More | Assistant Professor | National level online quiz on QUALITY MANAGEMENT PRACTICES USED IN INDUSTRIES | 20-06-2020 - 25-06-2020 |
| 84 | Mr  O A More | Assistant Professor | International technical symposium on "OPPORTUNITIES & CHALLENGES IN INDUSTRY 4.0" | 15-06-2020 - 17-06-2020 |
| 85 | Mr  O A More | Assistant Professor | Webinar W10-APPLYING FOR ACCREDITATION | 8/20/2020 |
| 86 | Mr  O A More | Assistant Professor | Webinar BEST PRACTICES IN AUTONOMY -AUTOMATION OF ACADEMIC EXAMINATION DEPARTMENT PROCESSES END TO END | 29-Jun-20 |
| 87 | Mr  O A More | Assistant Professor | WEBINAR ON ENHANCING QUALITY CULTURE IN TECHANICAL INSTITUTES THROUGH ONLINE TEACHING FOR OUTCOME BASED TEACHING | 7/5/2020 |
| 88 | Mr G P Lohar | Assistant Professor | FDP ON electric vehicles its prespectives & issues | 19-08-2020 -21-08-2020 |
| 89 | Dr. Mrs P S Gajjal | Associate Professor | Five days online FDP on "RESEARCH IN ENGINEERING A WAY FORWARD' | 06-07-2020 - 10-07-2020 |
| 90 | Dr. Mrs P S Gajjal | Associate Professor | FDP ON ELECTRIC VEHICLES | 05-10-2020- 09-10-2020 |
| 91 | Dr. Mrs P S Gajjal | Associate Professor | Five days online FDP on 'RESEARCH TECHNIQUES AND SUSTAINABLE DEVELOPMENT IN MECHANICAL ENGINEERING' | 29-06-2020-03-07-2020 |
| 92 | Dr. Mrs P S Gajjal | Associate Professor | Five day online FDP on 'SUSTAINABLE MOBILITY SOLUTIONS IN THE INDIAN CONTEXT' | 27-07-2020 - 31-07-2020 |
| 93 | Dr. Mrs P S Gajjal | Associate Professor | STTP on "ADVANCES IN ADDITIVE MANUFACTURING' | 20-07-2020 - 25-07-2020 |
| 94 | Dr. Mrs P S Gajjal | Associate Professor | AICTE AQIS sponsored one week STTP -Part- I on "PERSPECTIVE ON BHARAT STAGE (BS)VI NORMS IN IC ENGINES" | 24-08-2020 -29-08-2020 |
| 95 | Dr. Mrs P S Gajjal | Associate Professor | AICTE-ISTE approved orientation/refresher programme on "Emerging trends in refrigeration and air -conditioning | 17-05-2021 - 22-05-2021 |
| 96 | Dr. Mrs P S Gajjal | Associate Professor | NPTEL-AICTE FDP FUNDAMENTAL OF ARTIFICIAL INTELLIGENCE | SEP-DEC 2020 |
| 97 | Dr. C S Choudhari | Associate Professor | FDP ON ELECTRIC VEHICLES | 05-10-2020- 09-10-2020 |
| 98 | Mr  R A Marne | Assistant Professor | Coursera -PYTHON BASICS FOR DATA SCIENCE | 6/22/2021 |
| 99 | Mr  R A Marne | Assistant Professor | COURSERA PYTHON DATA STRUCTURES | 10/24/2020 |
| 100 | Dr M M Sayyad | Assistant Professor | FDP ON GREN TECHNOLOGY & SUSTAINABILITY ENGINEERING | 05-10-2020 -09-10-2020 |
| 101 | Dr M M Sayyad | Assistant Professor | FDP on " Augmented Reality & virtual reality" | 21-06-2021 - 25-06-2021 |
| 102 | Dr M M Sayyad | Assistant Professor | NPTEL NUMERICAL METHODS FOR ENGINEERS | 05-10-2020 - 09-10-2020 |
| 103 | MR S S VADGERI | Assistant Professor | 5 Days VIRTUAL INTERNATIONAL SHORT TERM COURSE ON TRIBOLOGY & SUSTAINABILITY | 24-08-2020 - 28-08-2020 |

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| **Term TWO** | | | | | |
| **S N** | **Name of Faculty** | **Designation** | **Title of the Seminar/Webinar and Organised By** | **Duration/ Dates** |
| 1 | Dr B D bachchhav | Professor | FDP on "3D Printing & Design" | 14-12-2020 – 18 – 12-2020 |
| 2 | Dr. A V Waghmare | Associate Professor | Faculty development program on Advanced Excel With DATA Visualization | 11-01-2021 - 16-01-2021 |
| 3 | Dr M R Phate | Professor | Online workshop on "Multi criteria decision making optimization techniques using ms excel' | 09-06-2020 - 10-06-2020 |
| 4 | Dr D Y Dhande | Professor | FDP on " Recent Advances in Al & robotics | 25-04-2021 - 29-04-2021 |
| 5 | Dr D Y Dhande | Professor | Faculty Development Program on "Research & Quality Publication : Practices and Tools | 20-12-2020 - 24-12-2020 |
| 6 | Dr D Y Dhande | Professor | One week national workshop on NAAC Accreditation process | 15-04-2021 - 22-04-2021 |
| 7 | Dr D Y Dhande | Professor | Online workshop on research development innovation ethics | 17-05-2021 -19-05-2021 |
| 8 | Dr D Y Dhande | Professor | a webinar on AI/ML and data science : market potential and opportunities | 5/28/2021 |
| 9 | Dr D Y Dhande | Professor | research study to Evolve mentoring system for faculty members | jan to march 2021 |
| 10 | Dr D Y Dhande | Professor | National level webinar on "Industry intership a way forward to acquire industry skills' | 5/25/2021 |
| 11 | Dr D Y Dhande | Professor | national level webinar on start ups and innovation | 5/28/2021 |
| 12 | Dr M S Deshmukh | Asscoiate Professor | One week national level FDP on "Advances in renewable energy' | 05-05-2021 -09-05-2021 |
| 13 | Dr M S Deshmukh | Asscoiate Professor | One week online STTP on "Techniques for promoting creativity and innovation among students' | 24-05-2021 - 28-05-2021 |
| 14 | Dr M S Deshmukh | Asscoiate Professor | Webinar on study opportunities in usa post covid -19 | 6/3/2020 |
| 15 | Dr M S Deshmukh | Asscoiate Professor | leadership talk | 6/6/2020 |
| 16 | Dr M S Deshmukh | Asscoiate Professor | Leadership talk with Dr Nilesh N Oak expert indian civilization & history | 5/30/2020 |
| 17 | Dr.S.V.Chaitanya | Associate Professor | TWO WEEK TRAINING IN CHANDALA INDUSTRIAL PLASTICS PVT.LTD | 05-12-2020 - 25-01-2021 |
| 18 | Dr S R Patil | Assistant Professor | Online STTP on "NOISE AND VIBRATION CONTROL OF INDUSTRIAL ROTARY MACHINES' | 15-03-2020 - 20-03-2020 |
| 19 | Dr S R Patil | Assistant Professor | FDP ON ENGINEERING LAW | 18-01-2021 - 22-01-2021 |
| 20 | Mr  P V Deshmukh | Assistant Professor | National level FDP on "ELECTRIC VEHICLES : PRESENT STATUS AND FUTURE PROSPECTS' | 06-05-2021 - 08-05-2021 |
| 21 | Mr  P V Deshmukh | Assistant Professor | Online workshop on "NBA AWARENESS' | 11-05-2021 - 14-05-2021 |
| 22 | Dr C S Dharankar | Assistant Professor | FDP on engineering law | 18-01-2021 - 22-01-2021 |
| 23 | Mr P S Aglawe | Assistant Professor | One week online FDP on "Data science with R programming for data analytics | 4-06-2020 - 09-06-2020 |
| 24 | Mr P S Aglawe | Assistant Professor | One week faculty development program on product design & novelty | 06-06-2020- 10-06-2020 |
| 25 | Mr M S Swami | Assistant Professor | online FDP on CFD | 04-01-2021 - 08-01-2021 |
| 26 | Mr M S Swami | Assistant Professor | ARPIT course for career advancement scheme ( CAS) PROMOTIN refresher course on teacher and teching in higher education | 01-12-2020 - 31-03-2021 |
| 27 | Mr M S Swami | Assistant Professor | NPTEL-AICTE FDP "Introduction to research" | Feb-Apr 2021 |
| 28 | Dr M R Dahake | Assistant Professor | National workshop on "intellectual property rights and ip management for start ups" | 27-04-2021 - 28-04-2021 |
| 29 | Dr M R Dahake | Assistant Professor | AICTE-ISTE approved orientation/refresher programme on "Emerging trends in refrigeration and air -conditioning' | 17-05-2021 - 22-05-2021 |
| 30 | Mr M P Bauskar | Assistant Professor | One week online FDP on "Advanced teaching tools techniques and methodologies for outcome based education" | 01-06-2020-05-06-2022 |
| 31 | Mr M P Bauskar | Assistant Professor | Four day online training program on "Geometric dimensioning and tolerancing' | 23-02-2021 - 26-02-2021 |
| 32 | Mr M P Bauskar | Assistant Professor | Syllabus implementation workshop for the course of Manufacturing processes (20205) & Machine shop (202051) | 2/23/2021 |
| 33 | Mr M P Bauskar | Assistant Professor | webinar on industry integration | 3/3/2021 |
| 34 | Mr  O A More | Assistant Professor | FDP ON ENGINEERING LAW | 18-01-2021 - 22-01-2021 |
| 35 | Mr  O A More | Assistant Professor | One week online FDP on 'PRODUCT DESIGN & NOVELTY' | 06-06-2020 -10-06-2020 |
| 36 | Mr  O A More | Assistant Professor | National level one week online FDP on "Advanced teaching tools, Techniques and methodologies for outcome based education" | 01-06-2020 - 05-06-2020 |
| 37 | Mr  O A More | Assistant Professor | WEBINAR ON PART TOLERANCE STACK AND ITS STUDY | 6/7/2020 |
| 38 | Mr G P Lohar | Assistant Professor | One week AICTE-ISTE Sponsored refresher program on "Recent development in advance materials" | 05-03-2021- 10-03-2021 |
| 39 | Dr. Mrs P S Gajjal | Associate Professor | FDP ON SYSTEMS ENGINEERING | 01-02-2021 - 05-02-2021 |
| 40 | Dr. C S Choudhari | Associate Professor | FDP ON ADVANCED TEACHING TOOLS , TECHNIQUES & METHODOLOGIES FOR OUTCOME BASED EDUCATION | 01-06-2020 - 05-06-2020 |
| 41 | Dr. C S Choudhari | Associate Professor | 5 Days National level virtual FDP on REVISED NAAC ACCREDITATION GIIDELINES | 01-06-2021 - 05-06-2021 |
| 42 | Dr. C S Choudhari | Associate Professor | TEQIP 3 Sponsored 5 days online FDP on 'ADVANCES IN HEALTH 5.0 IN LINE WITH NEP 2020" | 22-03-2021 - 26-03-2021 |
| 43 | Dr. C S Choudhari | Associate Professor | FDP ON ALTERNATE FUELS | 08-02-2021 -12-02-2021 |
| 44 | Dr. C S Choudhari | Associate Professor | One week national workshop on "NAAC ACCREDITATION PROCESS" | 15-04-2021 - 22-04-2021 |
| 45 | Dr M M Sayyad | Assistant Professor | FDP ON 3D PRINTING & DESIGN | 07-12-2020 - 11-12-2020 |
| 46 | Dr M M Sayyad | Assistant Professor | WEBINAR ON STRESS MANAGEMENT | 5/23/2021 |
| 47 | Dr M M Sayyad | Assistant Professor | WEBINAR ON QUALITY SUSTENANCE IN HIGHER EDUCATIONAL INSTITUTIONS | 5/10/2021 |
| 48 | Dr M M Sayyad | Assistant Professor | COURSERA INDRODUCTION TO ENGINEERING MECHANICS | 12/22/2020 |
| 49 | Mr N N Gotkhindikar | Assistant Professor | FDP ON ADVANCED TEACHING TOOLS TECHNIQUES AND METHODOLOGIES FOR OUTCOME BASED EDUCATION | 01-06-2020 - 05-06-2020 |
| 50 | Mr N N Gotkhindikar | Assistant Professor | FDP ON 3D PRINTING & DESIGN | 01-02-2021 - 05-02-2021 |
| 51 | MR S S VADGERI | Assistant Professor | STTP on "DIGITAL TRANSFORMATION' | 11-06-2020 - 13-06-2020 |
| 52 | MR S S VADGERI | Assistant Professor | FDP ON ENHANCING RESEARCH WORK OF PHD ASPIRANTS THROUGH SYSTEMATIC APPORCH | 08-06-2020 - 10-06-2020 |

**2.5 SEMINARS/ WORKSHOPS/ WEBINARS ATTENDED BY THE DEPARTMENT FACULTY**

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| **Term One** | | | | |
| **S N** | **Name of Faculty** | **Title of the Seminar/Webinar** | **Organized By** | **Duration/ Dates** |
| 1 | Dr B D Bachchhav | Introduction to NDT- A Tool for Quality Assurance of Industrial Product at Manufacturing Stage | AISSMS COE | 12 August 2020 |
| 2 | Dr B D Bachchhav | W 8: Compiling faculty information and contribution | NITTTR Bhopal | 13 August 2020 |
| 3 | Dr B D Bachchhav | W 10: Applying for Accreditation | NITTTR Bhopal | 20 August 2020 |
| 4 | Dr B D Bachchhav | National Education Policy 2020- Strategies and Framework for Autonomy | NITTTR Bhopal | 15 October 2020 |
| 5 | Mr M P Bauskar | Part Tolerance stack Its study  webinar | AISSMS COE | 07 July 2020 |
| 6 | Mr M P  Bauskar | Exploring Microsoft Teams:An Online Teaching Platform webinar | AISSMS COE | 15 July 2020 |
| 7 | Dr M M Sayyad | Webinar on Renewable Energy Projects - Management and Challenges |  | 03-Nov-20 |
| 8 | Dr M M Sayyad | Virtual conference on global education dynamics: IDP Education Conclave |  | 05-06 Nov 20 |
| 9 | Dr M M Sayyad | Webinar on “Mystery Behind the Successful Entrepreneur" | AISSMS COE | 24 October 2020 |
| 10 | Dr C S Choudhari | Webinar on National education policy | NSS, AISSMS COE Pune | September 23, 2020 |
| 11 | Dr C S Coudhari | Webinar on Empowering Women Professionals | VISHAKHA CELL AISSMS COE PUNE | September 04, 2020 |
| 12 | Mr N N Gotkhindikar | Webinar on “Adapting yourselves in IT and Surviving with the Technology updates” | Francis Xavier Engineering College,Tirunelveli | 21/07/2020 |
| 13 | Mr N N Gotkhindikar | W 8: Compiling faculty information and contribution | NITTTR Bhopal | 13 August 2020 |
| 14 | Mr N N Gotkhindikar | W 11: Planning required during the visit and post visit Activities | NITTTR Bhopal | 25 August 2020 |
| 15 | Mr N N Gotkhindikar | W 12:Action plan to prepare institute for accreditation | NITTTR Bhopal | 27 August 2020 |
| 16 | Mr N N Gotkhindikar | National Webinar on “Effective and efficient writing of research  papers for web of science,Scopus indexed journal and Conference papers using Typeset Research  Studio” | AISSMS COE | 01/07/2020 |
| 17 | Mr N N Gotkhindikar | National Webinar on NBA Preparation and CO PO Mapping | SVPM COE Baramati | 28/06/2020 |
| 18 | Mr N N Gotkhindikar | National webinar on “Introduction to Product  Lifecyle Management” | PCCOE, Pune | 23/06/2020 |
| 19 | Mr N N Gotkhindikar | Webinar on "Exploring Microsoft Teams:An  Online Teaching Platform" | AISSMS COE | 15/07/2020 |
| 20 | Mr N N Gotkhindikar | National-Level Webinar on  “Opportunities for Engineers in Indian Armed Forces” by “Capt.Tanuja Kabre” | K J Somayya COE, Sion , Mumbai | 18/07/2020 |
| 21 | Mr N N Gotkhindikar | National Level Webinar on “Computational Fluid Dynamics: Applications  in the Engineering World” | AISSMS COE | 15/09/2020 |
| 22 | Mr N N Gotkhindikar | A Webinar on “Paradigms for Peak Performance-Mindset for Excellence &  Unparalleled Growth” | AISSMS COE | 14/09/2020 |
| 23 | Mr N N Gotkhindikar | Panel discussion on Role of professional bodies in engineering | Ishrae Pune chapter MMCOE | 14/09/2020 |
| 24 | Mr N N Gotkhindikar | Online Workshop on Rapid Prototyping | Guru Gobind Singh College of Engineering and Research Centre, Nashik | 07/10/2020 to 10/10/2020 |
| 25 | Mr N N Gotkhindikar | Syllabus Implementation Workshop for the course of  “ Engineering Materials & Metallurgy” | AISSMS COE | 19/06/2020 |
| 26 | Mr N N Gotkhindikar | Syllabus Implementation Workshop for the course of  “ Solid Mechanics” | MES COE | 17/06/2020 |
| 27 | Dr P S Gajjal | W 10: Applying for Accreditation | NITTTR Bhopal | 20 August 2020 |
| 28 | Dr P S Gajjal | Syllabus Implementation Workshop for the course of  “ Solid Mechanics” | MES COE | 17/06/2020 |
| 29 | Dr P S Gajjal | National webinar on “Introduction to Product  Lifecycle Management” | PCCOE, Pune | 23/06/2020 |
| 30 | Dr P S Gajjal | Webinar on Empowering Women Professionals | VISHAKHA CELL AISSMS COE PUNE | September 04, 2020 |
| 31 | Dr P S Gajjal | Webinar on NEP Strategies and Framework for Autonomy | NITTTR Bhopal | Oct 15, 2020 |
| 38 | Dr D Y Dhande | W2 : Evolving and Aligning teaching learning process for implementing engineering syllabus | NITTR Bhopal | 09/07/2020 |
| 39 | A t Thombare | FDP on Introduction to Mechanical Vibration | NPTEL,  IIT Madras | Sep-Nov 2020 |
| 40 | Dr D Y Dhande | W1 : Vision, Mission and PEOs for Technical Institutions | NITTR Bhopal | 07/07/2020 |
| 41 | Dr D Y Dhande | W3: Course Outcomes and Domain Learning | NITTR Bhopal | 14/07/2020 |
| 42 | Dr D Y Dhande | W4: Assessment of CO,PO and PSOs | NITTR Bhopal | 21/07/2020 |
| 43 | Dr D Y Dhande | W5: Prepare Course and Program Articulation Matrix | NITTR Bhopal | 23/07/2020 |
| 44 | Dr D Y Dhande | W6: Development and use of rubrics for effective assessment | NITTR Bhopal | 28/07/2020 |
| 45 | M U GAN | A National Level Webinar on “Introduction to NDT - A Tool for Quality Assurance of Industrial  Products at Manufacturing Stage” | AISSMSCOE | 12 AUG 2020 |
| 46 | S S Vadgeri | Webinar on "Exploring Microsoft Teams:An  Online Teaching Platform" | AISSMS COE | 15/07/2020 |
| 47 | S S Vadgeri | National Level Webinar on “Computational Fluid Dynamics: Applications  in the Engineering World” | AISSMS COE | 15/09/2020 |
| 48 | S S Vadgeri | A Webinar on “Paradigms for Peak Performance-Mindset for Excellence &  Unparalleled Growth” | AISSMS COE | 14/09/2020 |
| 49 | S S Vadgeri | Syllabus Implementation Workshop for the course of  “ Engineering Materials & Metallurgy” | AISSMS COE | 19/06/2020 |
| 50 | S S Vadgeri | 5- Day online Workshop on PTC CREO | GGSCOER Nashik | 22/09/2020 to  26/09/2020 |
| 51 | S S Vadgeri | Two Days National e  Workshop on Tribology for Sustainable Development | SVIT Nashik | 23/10/2020 & 24/10/2020 |
| 52 | S S Vadgeri | webinar on “Bharat Stage Emission Standards and Successive  Changes in Vehicles” | RMDSSOE Pune | 18/07/2020 |
| 53 | S S Vadgeri | Webinar on  "Stress Management through Physical Fitness and Social wellness"  The need for Covid Pandemic | KLS Belgavi (KA) | 28/07/2020 |
| 54 | M R Dahake | Stress Management at Workplace | GGSCOER Nashik | 05/08/2020 |
| 55 | M R Dahake | Scope in Automotive Industry | SSPM’s SPCOE&T Pune | 23/07/2020 |
| 56 | M R Dahake | How to Write Research Paper | SCOE Pune | 18/07/2020 |
| 57 | M R Dahake | Exploring Microsoft Teams : An Online Teaching Platform | AISSMSCOE Pune | 15/07/2020 |
| 58 | K L Kumbhar | W 8: Compiling faculty information and contribution | NITTTR Bhopal | 13 August 2020 |
| 59 | K L Kumbhar | Online workshop on “Corrosion and its Control” | Dr. D Y Patil Institute of Engineering, Management  & Research, Akurdi | 2nd June 2020 to 4th June 2020 |
| 60 | K L Kumbhar | State Level Workshop on “Latex” | Matoshri College of Engineering &  Research Centre, Nashik | 6th June to 7th June 2020 |
| 61 | K L Kumbhar | Two Day Workshop on "Easy implementation of LMS in  your Institutions" | Skill to Hire | 25th - 26th July 2020 |
| 62 | K L Kumbhar | TEQIP III webinar series on “Recent Research Trends in Tribology” | GMIT, Guwahati | 03rd - 07th August 2020 |
| 63 | K L Kumbhar | Webinar on “Energy Audit & Energy Management” | INDUS UNIVERSITY  INSTITUTE OF TECHNOLOGY & ENGINEERING | 14th June 2020 |
| 64 | K L Kumbhar | webinar series on “Fundamentals of Combustion” | Pimpri Chinchwad College of Engineering | 15th to 18th June 2020 |
| 65 | K L Kumbhar | Webinar on“Role of Mechanical Engineer in Project Engineering and  Management” | Sandip Institute of Technology and Research Centre, Nashik | 21st June 2020 |
| 66 | K L Kumbhar | Webinar on “How to write and Publish 50,000 + conference papers effectively and efficiently using TYPESET Research Studio” | Rajarambapu institute of Technology, Islampur | 22nd June 2020 |
| 67 | K L Kumbhar | Webinar on “Effective and efficient writing of research  papers for web of science,Scopus indexed journal and Conference papers using Typeset Research  Studio” | AISSMS CoE | 1st July 2020 |
| 68 | K L Kumbhar | Webinar on ““Research  Developments in Composite Materials” | Kuppam Engineering College, Kuppam | 15th August 2020 |
| 69 | K L Kumbhar | W11- Planning Required During the visit and post visit activities | NITTTR, Bhopal | 25th Aug 2020 |
| 70 | M P Shah | Automotive Systems and Technologies: Embrace The Future - Session No. 5 |  | 18/07/2020 |
| 71 | M P Shah | Automotive Systems and Technologies: Embrace The Future - Session No. 4 |  | 18/07/2020 |
| 72 | M P Shah | Webinar on "Automotive Systems and Technologies: Embrace The Future" - Session No. |  | 04/07/2020 |
| 73 | M P Shah | "W6: Webinar on Development and use of Rubric for effective assessment", | organized by NITTTR,Bhopal | 28/7/20 |
| 74 | M P Shah | Attended webinar on Emotional Intelligence and the art of Neuro balancing” on 18 July 2020 (Saturday) | organized by INDUS University, Ahmedabad | 18/7/20 |
| 75 | M P Shah | Attended webinar on W-7: Information required for Student performance on 6 Aug. NITTTR Bhopal | NITTTR Bhopal | 6/8/20 |
| 76 | M P Shah | W9-webinar NITTTR Bhopl | NITTTR Bhopal | 18/8/20 |
| 77 | M P Shah | Department of Mechanical Engineering of SND College of Engineering and Research Center, Yeola is organizing a webinar on “MATLAB & Simulink Fundamentals” |  | 17/8/20 |
| 78 | M P Shah | FSDP on SUCCESS & YOU, AISSMSCOE |  | 28-29 August 2020\*+ |
| 79 | M P Shah | Webinar on empowering women's professionals, AISSMSCOE | AISSMSCOE | 4/9/20 |
| 80 | M P Shah | Webinar program on National Education Policy 2020 | AISSMSCOE | 8/9/20 |
| 81 | M P Shah | National level webinar on "Computational Fluid Dynamics: Application in engineering world " |  | 15/9/20 |
| 82 | M P Shah | Webinar on “Paradigms for Peak Performance-Mindset for Excellence & Unparalleled Growth” |  | 14/9/20 |
| 83 | M P Bauskar | Webinar on Machine Learning | PGM COE | 22 July 2020 |
| 84 | M P Bauskar | Best Practices in Autonomy- Automation of Academic & Examination Department Processes End to End | Ion Idea | 29 June 2020 |
| 85 | M P Bauskar | Introduction to NDT- A Tool for Quality Assurance of Industrial Product at Manufacturing Stage | AISSMS COE | 12 August 2020 |
| 86 | Dr. M. S. Deshmukh | A webinar on “Implementation of National Education Policy 2020” | AISSMSCOE | on March 31, 2021 |
| 87 | Dr. M. S. Deshmukh | A webinar on 360 degree feedback organised | AICTE | on 12/04/2021 |
| 88 | Dr. M. S. Deshmukh | A webinar on ‘Symbol of Knowledge” by Dr Milind Kamble | AISSMS | on 14/04/2021 |
| 89 | Dr. M. S. Deshmukh | A webinar on “FundRaising Tips for Agri Start-Ups” | Manage CIA | on 17 Apr 2021 |
| 90 | Dr. M. S. Deshmukh | Attended world IP day special Session on “ Why IP is important in academia? “ by Dr Abhay Jere | AICTE MIC program | 26th April 2021 |
| 91 | Dr. M. S. Deshmukh | Attended Innovation Cell Talk-“From your Ph.D./ Master’s Thesis to a start-up” by Dr. Anand Deshpande, Founder, and CMD, Persistent Systems. | AICTE MIC program | on 23/04/2021. |

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| **Term Two** | | | | |
| **S N** | **Name of Faculty** | **Title of the Seminar/Webinar** | **Organized By** | **Duration/ Dates** |
| 1 | Dr B D Bachchhav | A national level webinar on ‘Quality sustenance in Higher Education” | AISSMS College of Engineering | 10/05/2021 |
| 2 | Dr M M Sayyad | Webinar on Biomechanics of suryanamaskar posture | AISSMS COE | 22.12.2020 |
| 3 | Dr M M Sayyad | 35th Indian Engineering Congress | Instt of Engineers | 18.12 to 20.12.2020 |
| 4 | Dr M M Sayyad | ONLINE SYLLABUS IMPLEMENTATION WORKSHOP  ON KINEMATICS OF MACHINERY 2019 COURSE | Department of Mechanical Engineering, VPKBIET, Baramati | Feb 18, 2021 |
| 5 | Dr M M Sayyad | National webinar on Quality Sustenance in Higher Education | AISSMS’s College of Engineering, Pune | 10th May 2021 |
| 6 | Dr M M Sayyad | Guiding Students to Select Meaningful Engineering Projects |  | 06/05/2021 |
| 7 | Dr M M Sayyad | Yoga for Prevention from Covid-19 | AISSMS’s COE | 9th May 2021 |
| 16 | M P Bauskar | Webinar on Six Sigma | AISSMS COE | 24 Oct 2020 |
| 17 | M P Bauskar | Introduction to Geographical Indication | MLR IOT | 21 Jan 2021 |
| 18 | M P Bauskar | Webinar On PBL | VIT | 23 Jan 2021 |
| 19 | M P Bauskar | Syllabus Implementation Workshops on MP & MS | AISSMSCOE with SPPU | 23 Feb 2021 |
| 20 | M P Bauskar | 4 Day Training Program on GDNT | AISSMSCOE | 23 Feb to 26 Feb 2021 |
| 21 | M P Bauskar | Webinar event” Symbol of Knowledge | AISSMSCOE | 14 April 2021 |
| 22 | M P Bauskar | National webinar on Quality Sustenance in Higher Education | AISSMS’s College of Engineering, Pune | 10th May 2021 |
| 23 | M M Sayyad | Webinar on ‘Stress Management’ organized by Department Of E&TC | AISSMS  College Of Engineering, Pune in association with AISSMS COE IEEE Student Branch,  IEI & ISTE Chapters | 23 May 2021 |
| 24 | M M Sayyad | National webinar on Quality Sustenance in Higher Education | AISSMS’s College of Engineering, Pune | 10th May 2021 |
| 25 | Dr. M. S. Deshmukh | Attended webinar “ Conversation with Alumni- Siddarth Kulkarni-Pari Robotics” | AISSMSCOE | 21May2021 |
| 26 | Dr. M. S. Deshmukh | Attended webinar on” Patent Process overview” | AISSMSCOE | 23May2021 |
| 27 | M M Sayyad | A Webinar on  “Employability Skills For Industry 4.0 ” | AISSMSCOE | 31 May 2021 |
| 28 | Dr D Y Dhande | Webinar on Biofuels | SAE Western India section. | 03/04/2021 |
| 29 | Dr D Y Dhande | Webinar on “KS Webinar on Your routine in the Corona period: Do's and Don'ts” | AICTE | 12/04/2021 |
| 30 | Dr D Y Dhande | Webinar on 360 degree feedback | AICTE | 12/04/2021 |
| 31 | Dr D Y Dhande | Live webinar interaction with Prof N J Rao and Prof K Rajanikanth on NBA | NATE | 15.04.202. |
| 32 | Dr D Y Dhande | Attended webinar on Innovation Cell Talk-“From your Ph.D./ Master’s Thesis to a start-up” by Dr. Anand Deshpande, Founder, and CMD, Persistent Systems | AICTE MIC | 23/04/2021 |
| 33 | Dr D Y Dhande | National level webinar on “Sustenance of quality in higher education institutes” by Dr Dharmadhikari N S | IQAC, AISSMS COE, Pune | 10/05/2021 |
| 34 | Dr D Y Dhande | Webinar on AI/ML and data science: market Potential and opportunities on | AISSMS COE | 28/05/2021 |
| 35 | Mr N N Gotkhindikar | Webinar on “Employability Skills For Industry 4.0” | Department of Mechanical Engineering of AISSMS COE Pune-01 | 31-05-2021 |
| 36 | Mr N N Gotkhindikar | Webinar on “AI/ML Data Science : market Potential and opportunities on” | Department of Mechanical Engineering of AISSMS COE Pune-01 | 28-05-2021 |
| 37 | Mr N N Gotkhindikar | Webinar on “Patent Process Review” organized by | Department of Mechanical Engineering of AISSMS COE Pune-01 | 24-05-2021 |
| 38 | Mr N N Gotkhindikar | Webinar on “Stress Management” | Department of E & TC Engineering of AISSMS COE Pune-01 | 23-05-2021 |
| 39 | Mr N N Gotkhindikar | Webinar on “Industry Integration” | Department of Production Engineering by AISSMSCOE Pune | 03-03-2021 |
| 40 | Mr N N Gotkhindikar | Webinar on “Marathi Rajyabhasha” | Department of Library of AISSMSCOE Pune | 26-02-2021 |
| 41 | Mr N N Gotkhindikar | International Webinar on "ISO Knowledge and Innovation Standards” | National Productivity Council | 03-02-2021 |
| 42 | Mr N N Gotkhindikar | Syllabus Implementation Workshop for the course of “Manufacturing Processes (202050) & Machine Shop (202051) ” | AISSMS College of Engineering, Pune & LoGMIEER, Nashik. | 23-02-2021 |

**2.6 CONFERENCES/ SYMPOSIUMS ATTENDED BY THE DEPARTMENT FACULTY**

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| **Term One** | | | | |
| **S N** | **Name of Faculty** | **Title of the Conference / Symposium** | **Organized By** | **Duration/ Dates** |
| 01 | Dr C S Choudhari | Advances in Materials Processing & Manufacturing Applications (iCADMA 2020) | Sponsored by SPARC, MHRD & TEQIP-III, NIT Uttarakhand (Online) | November 5-6, 2020 |
| 02 | Dr D Y Dhande | Technical Advancements for Social Upliftments, TASU2020 | Vidyavardhini College of Engineering and Technology, Vasai | 27 June 2020 |
| 03 | K L Kumbhar | International Conference on Advanced Material Behavior and Characterisation | Mattest Research Academy, Chennai | 18 - 23 July, 2020 |
| 04 | S S Vadgeri | International Conference on Advanced Material Behavior and Characterisation | Mattest Research Academy, Chennai | 18 - 23 July, 2020 |
| 05 | M P Bauskar | International Conference on Advanced Material Behavior and Characterisation | Mattest Research Academy, Chennai | 18 - 23 July, 2020 |
| 06 | Dr B D Bachchhav | International Conference on Advanced Material Behavior and Characterisation | Mattest Research Academy, Chennai | 18 - 23 July, 2020 |

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| **Term Two** | | | | |
| **S N** | **Name of Faculty** | **Title of the Conference / Symposium** | **Organized By** | **Duration/ Dates** |
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**2.7 ONLINE COURSES / CERTIFICATE COURSES COMPLETED BY DEPARTMENT**

**FACULTY**

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| **Term One** | | | | |
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| **S N** | **Name of Faculty** | **Title of the Course** | **Conducted By** | **Duration/ Dates** |
| **1** | Mr N N Gotkhindikar | Crash course onANSYS | ProCAD Academy | 2nd-8th September 2020 |
| **2** | Dr M M Sayyad | Numerical Methods for Engineers | SWAYAM-NPTEL | 12 wk, Sept 25-Dec 12, 2020 |
| **3** | Mr N N Gotkhindikar | Crash course onAdditive ManufacturingFDM | ProCAD Academy | 17-23rd August 2020 |
| **4** | M P Bauskar | Introduction to composite | SWAYAM -NPTEL | 12 wk, Sept25 -Dec12,2020 |
| **5** | N N Gotkhindikar | Additive manufacturing using FDM( 3D Printing) | Procad Academy | 17/08/2020 to 24/08/2020 |
| **6** | N N Gotkhindikar | Basic Ansys APDL | Procad Academy | 02/09/2020 to 08/09/2020 |
| **7** | Dr P S Gajjal | Artificial intelligence | NPTEL | 12 week Sep-Dec 2020 |
| **8** | M R Dahake | Heat Transfer | SWAYAM -NPTEL | 12 Week, Sep-Dec 2020 |
| **9** | A T Thombare | Introduction to Mechanical Vibration | NPTEL,  IIT Madras | Sep-Nov 2020 |
| **10** | S S Vadgeri | Introduction to Research | NPTEL, IIT Madras | 8 Week  Sep-Nov 2020 |
| **11** | S S Vadgeri | Product Design & Manufacturing | NPTEL, IIT Kanpur | 12 Week  Jan-April 2020 |
| **12** | M P Shah | Introduction to Mechanical Vibration | NPTEL,  IIT Madras | Sep-Nov 2020 |
| **13.** | S S Patil | Inspection and Quality Control in Manufacturing Process | NPTEL,  IIT Madras | Feb -March 2020 |
| **14.** | K L Kumbhar | Introduction to Research | NPTEL, IIT Madras | 8 Week  Sep-Nov 2020 |
| **15** | K L Kumbhar | Friction and  Wear of materials : Principle and case studies | NPTEL, IIT Roorkee | 8 Week  Jan-April 2020 |
| **16** | K L Kumbhar | Programming for Everybody | University of Michigan (Coursera) | 7 Week, Completed on 3rd Nov 2020 |
| **17** | K L Kumbhar | Excel Skills for Business: Essentials | Macquarie University | 5 Week, Completed on 20th Nov 2020 |
| **18** | M P Bauskar | Programming for Everybody | University of Michigan (Coursera) | 7 Week, Completed on 3rd Nov 2020 |
| **19** | M P Shah | Coursera course on machine learning | university of London | Nov 2020 |
| **20** | Dr. M R Phate | NBA Accreditation and Teaching-Learning in Engineering (NATE | NPTEL, IISC, Banglore | 12 Week  Jan-April 2020 |
| **21** | Dr. M R Phate | Mechanics of Machining | NPTEL, IIT Madras | 8 Week  Jan-April 2020 |
| **22** | Dr. M S Deshmukh | NBA Accreditation and Teaching-Learning in Engineering (NATE | NPTEL, IISC, Banglore | 12 Week  Jan-April 2020 |
| **23** | Mr N N Gotkhindikar | NBA Accreditation and Teaching-Learning in Engineering (NATE) | NPTEL, IISC, Banglore | 12 Week  Jan-April 2020 |

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| **Term Two** | | | | |
| **S N** | **Name of Faculty** | **Title of the Course** | **Conducted By** | **Duration/ Dates** |
| **1** | Dr. M M Sayyad | Introduction to Engineering Mechanics | Coursera | Dec 22, 2020 |
| **2** | Mr N N Gotkhindikar | Manufacturing Process Technology | NPTEL | Jan-April 2021 |

**2.8 EXTENSION LECTURES / WEBINARS (Lectures organised on other than technical topics))**

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| **Term One** | | | | | |
| **S N** | **Name of faculty coordinator** | **Topic** | **Name and contact details of guest** | **Date** | **Number of beneficiaries** |
| 1. | Dr P S Gajjal | Webinar on Empowering Women Professionals | Mrs Mohini Sudumbrekar | September 04, 2020 | 126 |
| 2. | Dr D Y Dhande | Webinar on Stress Managment | Dr M R Patkar | August 08, 2020 | 110 |
| 3. | K L Kumbhar & M P Bauskar | Webinar on “ Paradigms for Peak Performance-Mindset for Excellence & Unparalleled Growth” | Mr. Anand Munshi | 14 Sept 2020 | 272 |

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| **Term Two** | | | | | | |
| **S N** | **Name of faculty coordinator** | **Topic** | **Name and contact details of guest** | **Date** | **Number of beneficiaries** |
| 1. | S S Vadgeri | Online Expert Lecture on  “Digital Solutions for Real world Mechanical Engineering Design Challenges” | Mr. Shrishant D. Patil,  (Application Engineer, Softcell Technologies Global Pvt.  Ltd. Pune)- 8668512620  -Alumni of Department of Mechanical Engineering,  AISSMS COE, Pune (ME Automotive- 2013-2015) | 15/05/2021 | 145 |
| 2. | S S Patil | Online Expert Lecture on “Industry 4.0” | Mr. Vaibhav Khude (Project Engineer at 3D Guru Innovation Pvt Ltd; Worked at Finolex abd mahindra & mahindra; Total experience 6.5 years) | 18/03/2021 | 96 |

**2.9 FACULTY SERVED AS RESOURCE PERSON, EXPERT, CHAIRPERSON**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term One** | | | | |
| **S N** | **Name of Faculty** | **Title of Activity** | **Organizing body** | **Date** |
| 1 | Dr B D Bachchhav | Expert talk on: Major and Minor Projects | Prathibha College Chinchwad, Pune | 09/11/2020 |
| 2 | Dr C S Choudhari | Expert talk on: Documentation | Prathibha College Chinchwad, Pune | 10/11/2020 |
| 3 |  |  |  |  |

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| --- | --- | --- | --- | --- |
| **Term Two** | | | | |
| **S N** | **Name of Faculty** | **Title of Activity** | **Organizing body** | **Date** |
| 1 | Dr C S Choudhari | Expert talk on: Academic and administrative Audit of HEI | OP Jindal University, Raigrah, Chhatisgad | 16/02/2021 |
| 2 | Dr B D Bachchhav | Resource Person for Syllabus Implementation workshop on Manufacturing Processes and Machine Shop | AISSMS College of Engineering in Association with Board of Studies Automotive and Mechanical Engg. | 23/02/2021 |
| 3 | Dr. M. S. Deshmukh | Expert talk on: Advances in Renewable Energy Sources | Dr. D. Y. Patil Institute of Technology, Pimpri, Pune | 08 May 2021 |

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| Few photographs related to faculty contribution (felicitation of faculty, photos of award function etc. | |
| Size of photo 5 cm x 7 cm with captions |  |
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**3. ACTIVITIES ORGANIZED**

**3.1 FDP/STTP ORGANIZED BY THE DEPARTMENT**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term One** | | | | | |
| **S N** | **Name of Coordinator/s** | **Title of the FDP/STTP/WS/Seminar/Symposium** | **Duration/ Dates** | **No. of Participants** | **Funding Agency**  **(If any) and Amount (Rs.)** |
| **1** | Dr P S Gajjal  Mr M R Dahake | Three Days FDP on “Electric Vehicle: Its Perspective & Issues” | 19th - 21th August 2020 | 150 | AISSMS (Rs 0.30 Lacs) |

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| **Term Two** | | | | | |
| **S N** | **Name of Coordinator/s** | **Title of the FDP/STTP/WS/Seminar/Symposium** | **Duration/ Dates** | **No. of Participants** | **Funding Agency**  **(If any) and Amount (Rs.)** |
| 1 | Dr B D Bachchhav | One day Workshop on Syllabus Implementation on “Manufacturing Processes and Machine Shop” | One Day  23/02/2021 | 125 | Online Mode. In association of Board of Studies Automotive and Mechanical Engineering, SPPU, Pune |

**3.2 SEMINARS/ WORKSHOPS/ WEBINARS ORGANIZED BY THE DEPARTMENT (For Faculty)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term One** | | | | | |
| **S N** | **Name of Coordinator/s** | **Title of the Seminar/Webinar** | **Duration/ Dates** | **No. of Participants** | **Funding Agency**  **(If any) and Amount (Rs.)** |
| 01 | C S Choudhari | “Introduction to NDT –A tool for Quality Assurance of Industrial Products at Manufacturing Stage” | 12/08/2020, 3.00 PM - 04.30 PM (IST) | 191 | **--** |
| 02 | N N Gotkhindikar and  S S Patil | Way to Success in Gate exam | 18/07/2020 | 144 | - |
| 3 | M P Shah,  A T Thombare | Applications of FEA in Automobile using ‘Altair-Hyperworks’ | 7-8 September  2020 | 292 | **--** |
| 04 | S J Navale  S S Vadgeri  D S Mane | Computational Fluid Dynamics: Applications in the Engineering World | 15/09/2020 |  |  |
| 05 | K L Kumbhar  M P Bauskar | A Webinar on “ Paradigms for Peak Performance-Mindset for Excellence & Unparalleled Growth | 14 September 2020 | 272 |  |

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| **Term Two** | | | | | |
| **S N** | **Name of Coordinator/s** | **Title of the Seminar/Webinar** | **Duration/ Dates** | **No. of Participants** | **Funding Agency**  **(If any) and Amount (Rs.)** |
| 01 | C S Choudhari  S S Vadgeri  D S Mane | Four Day Online training Program on “Geometric Dimensioning and Tolerancing” | Four Day  23 Feb to 26 Feb 2021 | 303 | AISSMS 6000/- |
| 02 | M P Bauskar  K L Kumbhar | Reshaping our thoughts: Challenges & Strategies | 07 March 2021 | 285 |  |
| 03 | M P Bauskar | Awareness About Energy Conservation | 20 May 2021 | 169 |  |
| 04 | C S Choudhari | AI/ML and Data Science: Market Potential and Opportunities | 28/05/2021 | 190 |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**3.3 CONFERENCES/ SYMPOSIUMS ORGANIZED BY THE DEPARTMENT (For Faculty)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term One** | | | | | |
| **S N** | **Name of Coordinator/s** | **Title of the Conference / Symposium** | **Duration/ Dates** | **No. of Participants** | **Funding Agency**  **(If any) and Amount (Rs.)** |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term Two** | | | | | |
| **S N** | **Name of Coordinator/s** | **Title of the Conference / Symposium** | **Duration/ Dates** | **No. of Participants** | **Funding Agency**  **(If any) and Amount (Rs.)** |
|  |  |  |  |  |  |

**3.4 EXTENSION ACTIVITIES CONDUCTED BY THE DEPARTMENT (Social/ Quizzes at national/international level/any other activity)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term One** | | | | |
| **S N** | **Name of Faculty Coordinator** | **Details of activity conducted** | **Date** | **Number of beneficiaries** |
|  |  |  |  |  |
| **Term Two** | | | | |
| **S N** | **Name of Faculty Coordinator** | **Details of activity conducted** | **Date** | **Number of beneficiaries** |
| 01 | S S Vadgeri | National Level Online Quiz for Advanced Learners in “Mechanical System Design” | 2 Weeks  16 May to 31 May 2021 |  |
| 2 | M P Bauskar | National Level Online Quiz for Advanced Learners in “ World Class Manufacturing” | 24 May to 31 May 2021 |  |
| 3 | C S Choudhari | National Level Quiz on Basics of Mechanical Engineering | 17 May to 31 May 2021 |  |

**3.5 MOU SIGNED WITH ACADEMIC AND PROFESSIONAL ORGANISATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term One** | | | | |
| **Sr. No.** | **Faculty Coordinator** | **Name of Organisation** | **Date**  **of MoU Signed** | **Valid upto**  **00/00/0000** |
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| --- | --- | --- | --- | --- |
| **Term Two** | | | | |
| **Sr. No.** | **Faculty Coordinator** | **Name of Organisation** | **Date**  **of MoU Signed** | **Valid upto**  **00/00/0000** |
|  |  |  |  |  |

**3.6 STUDENTS’ CHAPTERS/CLUBS**

|  |  |  |
| --- | --- | --- |
| **S. No** | **Name of Students’ Chapter** | **Number of Student Members** |
| 1 | SAE - TIFAN | 20 |
| 2 | IMECH E | 80 |
| 3 | ISHRAE | 11 |
| 4 | IE (I) |  |

**EVENTS ORGANISED (By Students’ Chapters / Clubs and others)**

**Name of Students’ Chapter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Faculty Advisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Term One** | | | | |
| **SN** | **Event name and details of event** | **Name of chief guest, judges etc.** | **Duration and Dates** | **Number of beneficiaries** |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term Two** | | | | |
| **SN** | **Event name and details of event** | **Name of chief guest, judges etc.** | **Duration and Dates** | **Number of beneficiaries** |
|  |  |  |  |  |

**Name of Students’ Chapter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Faculty Advisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Term One** | | | | |
| **SN** | **Event name and details of event** | **Name of chief guest, judges etc.** | **Duration and Dates** | **Number of beneficiaries** |
|  |  |  |  |  |

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| --- | --- | --- | --- | --- |
| **Term Two** | | | | |
| **SN** | **Event name and details of event** | **Name of chief guest, judges etc.** | **Duration and Dates** | **Number of beneficiaries** |
|  |  |  |  |  |

**3.7 SOCIAL ACTIVITIES ORGANISED (NSS, Women empowerment, Awareness Programms, etc.)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Term One** | | | |
| **Faculty coordinator** | **Name of Activity** | **Date, Duration** | **Number of students involved** |
| Dr P S Gajjal | Webinar on Empowering Women Professionals | September 04, 2020 | 126 |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Term Two** | | | |
| **Faculty coordinator** | **Name of Activity** | **Date, Duration** | **Number of students involved** |
|  |  |  |  |

**3.8 PARENT MEETING**

|  |  |  |  |
| --- | --- | --- | --- |
| **Faculty Coordinator** | **Day and Date** | **Details of Parent meetings organised** | **Number of Parents attended** |
| A T Thombare | 6 June - 8 June 2021 | Parents meet for Mechanical Engineering department was scheduled in June 2021.The meet was arranged on Microsoft Teams platform. Number of points related to department, academics, Training and placement, examination etc were discussed by respective class GFM.  Head of Department and faculties of respective class have answered queries of parents. Parents are satisfied with the efforts taken by the department and faculties for online teaching in pandemic situation.  Parents have queries related to university results,Training and Placement activity etc. which were addressed by concerned faculties and HOD.  Parents gave suggestions regarding industry exposure to students. | 131 |

**3.9 ALUMNI MEET**

|  |  |  |  |
| --- | --- | --- | --- |
| **Faculty Coordinator** | **Day and Date** | **Details of Alumni meetings organised** | **Number of Alumni attended** |
|  |  |  |  |
|  |  |  |  |

**3.10 SUPPORT FROM ALUMNI**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term One** | | | | | |
| **Sr No** | **Name of Alumni** | **Position and Organisation** | **Batch**  **(e.g. 2014 – 2018)** | **Details of Support** | **Date** |
| 01 |  |  |  |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term Two** | | | | | |
| **Sr No** | **Name of Alumni** | **Position and Organisation** | **Batch**  **(e.g. 2014 – 2018)** | **Details of Support** | **Date** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**3.11 INTERACTION WITH ALUMNI**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term One** | | | | |
| **S N** | **Name of Alumni and Activity coordinator** | **Details of Activity conducted** | **Date and duration** | **Total Number of beneficiaries** |
|  |  |  |  |  |

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| --- | --- | --- | --- | --- |
| **Term Two** | | | | |
| **S N** | **Name of Alumni and Activity coordinator** | **Details of Activity conducted** | **Date and duration** | **Total Number of beneficiaries** |
| 01 | Mr. Shrishant D. Patil,  (Application Engineer, Softcell Technologies Global Pvt.  Ltd. Pune)- 8668512620  -Alumni of Department of Mechanical Engineering,  AISSMS COE, Pune (ME Automotive- 2013-2015)  AC: Mr. S S Vadgeri | Online Expert Lecture on  “Digital Solutions for Real world Mechanical Engineering Design Challenges” | 15/05/2021 | 145 |
| 2 | Mr Yash deshpande, Business Manager - Strategic Accounts, Inteliment Technologies, Pune  Faculty Coordinator: C S Choudhari | Delivered webinar on AI/ML and Data Science: market Potential and Opportunities | 28/05/2021 | 190 |
| 3 | Mr.Siddharth Kulkarni  [Msc in Industrial Industrial Engineering  Texas Tech University ]  Design Product Engineer at Pari Robotics  Faculty Coordinator :  A T Thombare  M P Shah | Conversation with Alumni | 21/05/2021 | 186 |

**3.12 DETAILS OF STUDENT COUNSELING AND CAREER GUIDANCE AT THE DEPARTMENT LEVEL**

|  |  |
| --- | --- |
| **Number of students referred for counseling** |  |
| **Number of Faculty referred for counseling** |  |

|  |  |
| --- | --- |
| **Faculty coordinator** | **CAREER GUIDANCE ACTIVITY DETAILS** |
|  |  |
|  |  |

|  |  |
| --- | --- |
| (Start on new page) Few good photographs related to different activities organized | |
| Size of photo 5 cm x 7 cm with captions |  |
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1. **RESEARCH CONTRIBUTION**

**4.1 FUNDED RESEARCH PROJECT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term One** | | | | |
| **S N** | **Principal Investigator** | **Title of the Project** | **Amount Received (Rs)** | **Funding Agency** |
| 1 |  | NIL |  |  |

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| --- | --- | --- | --- | --- |
| **Term Two** | | | | |
| **S N** | **Principal Investigator** | **Title of the Project** | **Amount Received (Rs)** | **Funding Agency** |
| 1 |  | NIL |  |  |

**4.2 TESTING AND CONSULTANCY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Term One** | | | |
| **Sr. No.** | **Faculty Coordinator** | **Details of Testing & Consultancy Conducted** | **Total Revenue Generated (Rs.)** |
|  |  |  |  |

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| --- | --- | --- | --- |
| **Term Two** | | | |
| **Sr. No.** | **Faculty Coordinator** | **Details of Testing & Consultancy Conducted** | **Total Revenue Generated (Rs.)** |
|  |  |  |  |

**4.3 PATENTS, COPYRIGHT, TRADEMARK AND OTHER (IPR)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term One** | | | | |
| **Sr No.** | **Name of Faculty** | **Name of the Patent** | **Patent Number and Date** | **Type (National/**  **International/Com**  **mercialized)** |
|  |  |  |  |  |

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| --- | --- | --- | --- | --- |
| **Term Two** | | | | |
| **Sr No.** | **Name of Faculty** | **Name of the Patent** | **Patent Number and Date** | **Type (National/**  **International/Com**  **mercialized)** |
| **01** | Dr. M. S. Deshmukh | Kitchen Items Cleaning Device: Kitchen Items Cleaning and Disinfecting Device Using Water and UV-Light. | 2020101948 / 16th September 2020 | Australian Government, Innovation Patent |

**PUBLICATIONS**

**4.4 PAPERS PUBLISHED/ PRESENTED IN PROCEEDINGS OF CONFERENCES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term One** | | | | | | |
| **S. No** | **Authors** | **Document Details** | **Year** | **Conference Details** | **ISBN** | **Organised**  **by** |
| 1 | Dr P S Gajjal | Optimization Using Taguchi of PEEK material in Dry Sliding | June 12th-13th 2020 | International Conference on Integration of Advanced Technologies For Industry 4.0 |  | KCG College of Technology Chennai |
| 2 | Dr P S Gajjal | Investigation of Wear Behavior of Journal Bearing Materials | November 6th - 7th 2020 | International Conference on Advances in Sustainable Technologies |  | School of Mechanical Engineering, LPU, Jalandhar |
| 3 | Dr P S Gajjal | Wear Behavior Of Sintered bearings using Additives in Dry Sliding | 2020 | International Conference on Smart and Sustainable Development in Materials manufacturing and Energy Engineering |  | NMAM Institute of Technology NITTE |
| 4 | M R Dahake | Experimental Study on CNG Engine with Different Ventury Configuration | June 12th-13th 2020 | International Conference on Integration of Advanced Technologies For Industry 4.0 |  | KCG College of Technology Chennai |
| 5 | Dr B D Bachchhav | Tribological Behaviour of Non-asbestos Brake Pad material | Oct.,9-10, 2020 | IC3MT 2020 |  | CVR College of Engineering, Hyderabad, Telangana |
| 6 | Dr D Y Dhande | Experimental analysis of Hydrodynamic Journal Bearing | 27 June  2020 | Technical Advancements for Social Upliftments, TASU2020 |  | Vidyavardhini COE, Vasai, Mumbai |
|  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **Term Two** | | | | | | |
| **S. No** | **Authors** | **Document Details** | **Year** | **Conference Details** | **ISBN** | **Organised**  **by** |
| 1. 1 | S S Patil | Deep learning Algorithms for Tool Condition Monitoring in Milling | 27th March 2021 | International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems  IRMAS 2021 |  | Centre of Automation and School of Mechanical Engineering VIT Chennai |

**4.5 PAPERS PUBLISHED IN JOURNALS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term One** | | | | | | |
| **S. No** | **Authors** | **Document Details** | **Year** | **Source Details** | **ISBN/**  **ISSN** | **Publisher** |
| 1 | P S Gajjal | Performance evaluation of EN24 for planetary gear transmission  of CNC bending machine | 2020 | Journal of the Brazilian Society of Mechanical Sciences and Engineering (2020) | https://doi.org/10.1007/s40430-020-02392-5 | Springer |
| 2 | P S Gajjal | Low Cost 3D Printer ForHome Users | 2020 | International Journal Of Advance Scientific Research  And Engineering Trends | 2456-0774 | UGC |
| 3 | B D Bachchhav | Process Capability Improvement for Swingarm Boring Operation: A Case Study | 2020 | Proceedings on Engineering Sciences, Vol. 02, No. 4 (2020) 345-352 |  |  |
| 4 | Dr. M.R.Phate | Multi-Parametric Optimization Of WEDM Using Artificial Neural Network (ANN) Based PCA For Al/SiCp MMC | 2020 | Institution of Engineers, India Series C | 2250-0545 | Springer (Scopus) |
| 5 | Dr. M.R.Phate | Prediction And Optimization Of Tool Wear Rate During Electric Discharge Machining Of Al/Cu/Ni Alloy Using Adaptive Neuro-Fuzzy Inference System | 2020 | Elsevier’s, Heliyon | 2405-8440 | Elseviers  (WoS, SCIE) |
| 6 | Dr. M.R.Phate | |  | | --- | | Modeling and Investigating the Impact of EDM Parameters on Surface |   Roughness in EDM of Al/Cu/Ni Alloy | 2020 | Australian Journal of Mechanical Engineering | 1448- 4846 | Taylor & Francis  (WoS, SCIE) |
| 7 | Dr. M. S. Deshmukh | “Investigation of Efficacy of the Assimilated Sectional Air Refinement Unit.” | 2020 | International Journal of Disaster Recovery and Business Continuity (IJDRBC) | 2005 - 4289 | ESCI (WEB OF SCIENCE) |
| 8 | Dr. M. S. Deshmukh | “Investigation of the Effect of LPG on the Performance and Frictional Power Loss for Multi Cylinder SI Engine”, | 2020 | International Journal of Innovative Research in Advanced Engineering | 2349-2163 | Non Scopus |
| 9 |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **Term Two** | | | | | | |
| **S. No** | **Authors** | **Document Details** | **Year** | **Source Details** | **ISBN/**  **ISSN** | **Publisher** |
| 1 | Mannan Sayyad | Flaw resistance and mode-I fracture energy  redistribution in bamboo- a correlation | 2021 | Adv. Mater. Lett., 12  (3), 21031615 |  | VBRI press |
| 2. | Dr D Y Dhande | The study of performance and emission characteristics of SI. engine fuelled with different blends of pomegranate ethanol | `2021 | Int J Energy Environ Engg. https://doi.org/10.1007/s40095-020-00372-y | 2008-9163 | Springer Nature |
| 3 | Dr M.R.Phate | Optimistic Implementation of Supply Chain Management in Small & Medium Enterprise: Approach using Grey Relational Analysis (GRA) | 2021 | International Journal of Industrial Engineering and Production Research | 2008- 4889 |  |
| 4 | Dr B D Bachchhav | Investigation on Abrasive Waterjet Machining of Al-Al2O3 MMC | 2021 | International Journal of Industrial Engineering and Production Research | ISSN 2008-4889 | Iran University of Science and Technology 2 |
| 5 | Dr B D Bachchhav | Drilling of High Volume Fraction Al2O3 Metal Matrix Composites, 10, No. 1 (2021): 317-327. <https://doi.org/10.1520/MPC20200053> | 2021 | *Materials Performance and Characterization* | ISSN: 2379-1365  E-ISSN: 2165-3992 | ASM International |
| 6 | Dr B D Bachchhav | Grading of Spot Welding Electrode Material Properties Using AHP”, 2020, 7, 59-65.  DOI: https://doi.org/10.31875/2409-9848.2020.07.8 | 2020 | Journal of Modern Mechanical Engineering and Technology, | ISSN (online): 2409-9848. |  |
| 7 | Dr C S Choudhari | Experimental investigation of forming parameters for square cup deep drawing process | 2021 | Material Today: proceedings | ISSN: 2214-7853 | Elsevier |
| 8 | Dr C S Choudhari | Design and development of solar powered Stirling Engine for Electricity Generation | 2020 | International journal of Automobile Engineering Research and development | ISSN (Online): 2278-9413,ISSN (Print): 2277-4785, Volume 10, issue-2, | Trans Stellar |
| 9 | Dr C S Choudhari | Experimental investigation of forming parameters for deep drawn square part |  | International journal of Automobile Engineering Research and development | ISSN (Online): 2278-9413,ISSN (Print): 2277-4785, Volume 10, issue-2, | Trans Stellar |
| 10 | Dr D Y Dhande,  Dr M R Phate  Dr N Sinaga | Comparative Analysis of Abrasive Wear Using Response Surface Method and Artificial Neural Network. 102, 27–37 (2021). https://doi.org/10.1007/s40033-021-00250-9 | 2021 | Journal of. Inst. Enineers. India Ser. D | **Electronic ISSN**2250-2130  **Print ISSN**  2250-2122 | Springer |
| 11 | M P Bauskar | Review paper on Recent Developments in MEMS sensors and Its Applications in Automobiles | 2021 | IJSDR, Volume 6,Issue:5,May 2021 | ISSN:2455-2631 | IJSDR |
| 12 | S S Patil | Deep Learning Algorithms for Tool Condition Monitoring in Milling | 2021 | IRMAS |  |  |
| 13 | Dr. M. S. Deshmukh | JTEN-2020-550- A Critical Assessment of the Implementation of Phase Change Materials in the VCC of Refrigerator | Accepted for Publication in Jan-2022 | Journal of Thermal Engineering | 2148-7847 | Yildiz Technical University SCOPUS, ESCI (WEB OF SCIENCE) |
| 14 | Dr. M. S. Deshmukh | Wear and Bear Mechanism of Femur Implant on Acetabulum (hipbone) Erosion: A Review | Accepted for Publication in 14 Jun-2021 | Journal of Biomimetics, Biomaterials and Biomedical Engineering | 2296-9845 | science.net SCOPUS, ESCI (WEB OF SCIENCE) |
| 15 | Dr. M. S. Deshmukh | ThSci2020.279: Comparative Analysis of Copper oxide (CUO)-based spiral flow Photovoltaic sheet and Tube Thermal system | Accepted for Publication | Journal Thermal Science | 2334-7163 | SERC ESCI (WEB OF SCIENCE) |

**4.6 BOOK/ ARTICLE PUBLICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term One** | | | | |
| **Author** | **Title of the Book** | **Published by** | **ISBN** | **Year** |
| Dr P S Gajjal | Tribological Behaviour of Bronze and Plastic Material | Lambert Publications, Dept of Higher Education, MHRD | 978-81-946643-9-0 | Nov 2020 |
| Dr P S Gajjal | Advances in Mechanical Processing and Design: Lecture notes in Mechanical Engineering | Springer Nature  https://link.springer.com/chapter/10.1007/978-981-15-7779-6\_33 | 981157779X | 2020 |

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| --- | --- | --- | --- | --- |
| **Term Two** | | | | |
| **Author** | **Title of the Book** | **Published by** | **ISBN** | **Year** |
| Dr B D Bachchhav | Use of Sustainable Practices in Cement Production Industry: A Case Study. In: Kumar S., Rajurkar K.P. (eds) Advances in Manufacturing Systems. Lecture Notes in Mechanical Engineering. | Springer, Singapore. PP. 181-192. <https://doi.org/10.1007/978-981-33-4466-2_16> | ISBN 978-981-33-4465-5  Online ISBN  978-981-33-4466-2 | 2021 |
| Dr B D Bachchhav | Experimental Evaluation of Mechanical Properties of Epoxy Based Composite Material Using Taguchi Method. In: Dave H.K., Nedelcu D. (eds) Advances in Manufacturing Processes. Lecture Notes in Mechanical Engineering. | Springer,  Singapore. Pp. 381-395 | Print ISBN 978-981-15-9116-7  Online ISBN 978-981-15-9117-4 | 2020 |
|  |  |  |  |  |

**4.7 RESEARCH CITATIONS (Source of Data: Google scholar) (As on 30th June)**

|  |  |  |  |
| --- | --- | --- | --- |
| Name of faculty | **Citations** | Name of faculty | **Citations** |
| Dr B D Bachchhav | 47 | Mr P S Aglawe | 2 |
| Dr A V Waghmare | 164 | Mr O A More |  |
| Dr D Y Dhande | 113 | Mrs A T Thombare |  |
| Dr M R Phate | 223 | Mr M S Swami |  |
| Dr Mrs P S Gajjal | 49 | Mr G P Lohar |  |
| Dr M S Deshmukh | 07 | Mrs M P Shah |  |
| Dr S V Chaitanya |  | Mr M R Dahake | 37 |
| Mr S R Patil | 19 | Mr M P Bauskar | 11 |
| Mr P V Deshmukh | 09 | Mr V S Wagare |  |
| Dr C S Choudhari | 101 | Mr K L Kumbhar |  |
| Mr R A Marne |  | Mr S S Vadgeri | 18 |
| Dr C S Dharankar | 26 | Mr D S Mane |  |
| Dr S J Navale | 26 | Miss S S Patil |  |
| Mr M U Gan |  | Mr N N Gotkhindikar |  |
|  |  | Dr M M Sayyad | 46 |

**Total Citations of Department: 898**

**4.8 ME AWARDED**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr No** | **Name of Supervisor** | **Title of Thesis** | **Name of Candidate** |
| 1 | Dr S V Chaitanya | Development of EGR Strategies for heavy duty Natural gas engine from BSIV to BSVI | Divynail Katkoria |
| 2 | Dr S V Chaitanya | Analysis Of Component Dimensions Affecting  Performance Of IC Engine And Prediction Of Parameters For Selection Based  On Priority Using Multi Criteria Decision Making (MCDM) | Sudeshna Sawarate |
| 3. | Dr C S Choudhari | Design and development of solar powered Stirling engine for electricity generation | Mayur Patil |
| 4. | Dr C S Choudhari | Experimental Investigation of Forming Parameters of Square Cup | Priyanka Yerolkar |
| 5. | Dr B D Bachchhav | Tribological Evaluation of MMC for Automotive applications | Shivraj Dhotre |
| 6. | Dr A V Waghmare |  | Omkar Bhandare |
| 7. | Dr C S Dharankar |  | Aditya Kale |
| 8 | Dr P S Gajjal | Design and Fabrication of 3D Printer for home users | Yugwini Deshmukh |
| 9 | Dr D Y Dhande |  |  |

**4.9 PhD GUIDE DETAILS**

|  |  |
| --- | --- |
| **Name of Faculty who are PhD Supervisor** | **Number of Scholars Registered** |
| Dr B D Bachchhav | 03 |
| Dr. M. S. Deshmukh | 03 |

**4.10 PhD AWARDED**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr No** | **Name of Supervisor** | **Title of Thesis** | **Name of Candidate** |
|  |  |  |  |
|  |  |  |  |

|  |  |
| --- | --- |
| Few good photographs related to different activities organized under research, innovation | |
| Size of photo 5 cm x 7 cm with captions |  |
|  |  |
|  |  |
|  |  |

1. **INTERACTION WITH INDUSTRY**

**5.1 INDUSTRY VISITS ORGANISED**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term One** | | | | |
| **Sr. No.** | **Faculty Coordinator** | **Class and Number of students attended** | **Industry Name and Address** | **Date of visit** |
| **1** | **Mr M P Bauskar** | **TE M B (50)** | **Virtual visit TESLA Motors (Virtual on You Tube)** | **28/10/2020** |
| **(Due to COVID19 pandemic and online teaching learning process )** | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term Two** | | | | |
| **Sr. No.** | **Faculty Coordinator** | **Class and Number of students attended** | **Industry Name and Address** | **Date of visit** |
| **NIL (Due to COVID19 pandemic and online teaching learning process )** | | | | |

**5.2 EXPERT LECTURES DELIVERED BY INDUSTRY EXPERTS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term One** | | | | | |
| **Sr. No.** | **Faculty Coordinator** | **Class**  **(Number of students attended)** | **Name, Industry, designation and contact details of Expert** | **Topic** | **Date** |
| 1 | Dr C S Dharankar  S S Vadgeri | BE Mechanical A & B | Mr. Nitin Badhe  Sr. Technical Specialist  Altair India Pvt Ltd Pune | Fundamentals of Automotive NVH | 06/11/2020 |
| 2 | Dr P S Gajjal | SE Mechanical A & B | Mr. S. D. Patil  Application Engineer  Modelcam Engineering Pvt Ltd. Pune | Experience the design the way it should be using CREO | 04/12/2020 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term Two** | | | | | |
| **Sr. No.** | **Faculty Coordinator** | **Class**  **(Number of students attended)** | **Name, Industry, designation and contact details of Expert** | **Topic** | **Date** |
|  |  |  |  |  |  |

**5.3 INDUSTRY –SPONSORED PROJECTS (UG/PG) ((Excluding Sandwich Projects)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Name of Project guide** | **Title of Industry Sponsored Project** | **Name of Sponsoring Industry** |
| 1 | M R Dahake | Design and development of EGR cooler for single cylinder CRDI diesel engine | Apex innovations Pvt Ltd., Sangli |
| 2 | M M Sayyad | University Thesis Program | Konecranes |
| 3 | Dr. M. S. Deshmukh |  | A O Smith Heat Pumps Pvt Ltd, Nashik |

**5.4 MOU SIGNED WITH INDUSTRY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term One** | | | | |
| **Sr. No.** | **Faculty Coordinator** | **Name of Industry** | **Date**  **of MoU Signed** | **Valid upto**  **(00/00/0000)** |
| 1 | Mr. M R Dahake | Apex Innovations Pvt Ltd. Sangli | 31/08/2020 | 30/08/2021 |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term Two** | | | | |
| **Sr. No.** | **Faculty Coordinator** | **Name of Industry** | **Date**  **of MoU Signed** | **Valid upto**  **(00/00/0000)** |
| 1 | Mr. M S Swami | Firodiya &naik Consulting GBR Berlin Germany | 05/01/2021 | 04/01/2022 |
| 2 | Dr. S V Chaitanya | Seinumero Nirman Pvt Ltd. pune | 01/01/2021 | 04/01/2023 |

**5.5 FACULTY MEMBERS UNDERGONE INDUSTRIAL TRAINING**

|  |  |  |  |
| --- | --- | --- | --- |
| **Term One** | | | |
| **Sr. No.** | **Name of Faculty** | **Name of Industry** | **Dates and Duration** |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Term Two** | | | |
| **Sr. No.** | **Name of Faculty** | **Name of Industry** | **Dates and Duration** |
|  |  |  |  |

**5.6 STUDENTS UNDERGONE IN-PLANT TRAINING AND (OR) INTERNSHIP PROGRAMME(Excluding Sandwich Training)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term One** | | | | | | |
| **Sr. No.** | **Name of the Student** | **Name of the Industry** | **Class** | **Training duration** | | |
|  |  |  |  | **Start date** | **Last date** | **Duration (days)** |
| 1 | Abhishek Pisal | Ratna Gears Pvt Ltd | TE | 6/1/2019 | 6/30/2019 | 30 |
| 2 | Chetan jain | Balaji Engineering | TE | 6/1/2019 | 6/30/2019 | 30 |
| 3 | Mrunal Kukre | Forbes Motors LTd | BE | 6/3/2019 | 7/2/2019 | 30 |
| 4 | Kunal gaikwad | Ameya Industries | BE | 6/13/2019 | 6/28/2019 | 15 |
| 5 | Pushkaraj deshmukh | Marvelour Metals Pvt Ltd | SE | 6/15/2019 | 6/30/2019 | 15 |
| 6 | Vijayalaxmi Kdoli | Hero Pvt Ltd | BE | 6/1/2019 | 6/30/2019 | 30 |
| 7 | Kedar Ashtikar | Milman Thinfilm systems | BE | 6/2/2019 | 7/2/2019 | 30 |
| 8 | Aditya Chougule | Milman Thinfilm systems | BE | 6/2/2019 | 7/2/2019 | 30 |
| 9 | Yadnya Khadake | Cummins India Ltd | BE | 6/3/2019 | 7/3/2019 | 30 |
| 10 | Hrushikesh banger | Hrushi Insustries | BE | 6/5/2019 | 6/30/2019 | 25 |
| 11 | Pratik Dond | Bosch Ltd Nashik | BE | 6/1/2019 | 6/28/2019 | 30 |
| 12 | Suraj Gadgade | DCE Refrigeration | BE | 6/16/2019 | 7/1/2019 | 15 |
| 13 | Abhishek Dyade | Engineering Cluster Pvt Ltd | BE | 6/7/2019 | 7/6/2019 | 30 |
| 14 | Tejas Borkar | Engineering Cluster Pvt Ltd | BE | 6/5/2019 | 7/4/2019 | 30 |
| 15 | Shriya Kulkarni | Blue Huron Industries Pvt Ltd | TE | 7/3/2019 | 6/30/2019 | 30 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term Two** | | | | | | |
| **Sr. No.** | **Name of the Student** | **Name of the Industry** | **Class** | **Training duration** | | |
|  |  |  |  | **Start date** | **Last date** | **Duration (days)** |
| 1 | Shivam Nitin Deshmukh | Shital Enterprises | SE | 15/5/2019 | 25/5/2019 | 40 |
| 2 | Siddharth Ingale | Indoswe engineer's Pvt ltd | TE | 03/06/2019 | 15/06/2019 | 13 |
| 3 | Aryan Rahul Deshpande | Rullitech Engineers | SE | 13/05/2019 | 21/06/2019 | 42 |
| 4 | Shree Rajaram Khopade | Gurusai Enterprises | SE | 15 May 2019 | 25 June 2019 | 42 |
| 5 | Vedant Rameshrao Godbole | MSRTC | SE | 17/05/2019 | 28/06/2019 | 42 |
| 6 | BHAGYESH S KORE | UNIK TECHNO SYSTEMS PVT. LTD. | SE | 27/05/19 | 07/07/19 | 52 |
| 7 | Rohan Soni | S.M. Engineers and Distributors | BE | 01/11/2019 | 15/11/2019 | 15 |
| 8 | Patil Madhura Pradip | CITAX ENERGY DMCC Dubai | BE | 25/06/2020 | 23/07/2020 | 30 |
| 9 | Sujal Sanap | Tanmay Engineering | TE | 20/6/2020 | 20/8/2020 | 60 |
| 10 | Aayush Satyendra Rawat | Research | TE | 05/08/2020 | 15/09/2020 | 42 |
| 11 | Tanmay Chandrakant Gangawane | Upasana Enterprises | TE | 21/09/2020 | 21/10/2020 | 30 |
| 12 | Mandar Dilip Shevalkar | Tata Motors Limited | TE | 28/08/2020 | 24/10/2020 | 58 |
| 13 | Sourabh Ganesh Hole | UPASANA ENTERPRISES | TE | 04/09/2020 | 04/11/2020 | 60 |
| 14 | Mandar Dilip Shevalkar | Industrial Training Institute, Aundh | TE | 02/11/2020 | 07/11/2020 | 6 |
| 15 | Mandar Dilip Shevalkar | Industrial Training Institute, Aundh | TE | 9/11/2020 | 12/11/2020 | 4 |
| 16 | Tushar Koul | Power house | T.E | 15/12/2020 | 31/12/2020 | 15 |
| 17 | Rutuja Rohit Kalkate | Ujwal Automotive Pvt.Ltd.Dhule (Dealers of TATA MOTORS) | TE | 9/12/2020 | 09/1/2021 | 30 |
| 18 | Jaswantsingh patil | TVS MOTORS | SE | 15/12/2020 | 16/1/2021 | 30 |
| 19 | Sumit Bendale | Cummins India limited | TE | 19/01/2021 | 28/02/2021 | 35 |
| 20 | Jadhav Rutuja Hemant | Adler Pelzer (I) pvt Ltd | SE | 08/02/21 | 05/03/21 | 30 |
| 21 | Amit Dhananjay Dhotre | Simulation Lab Pvt. Ltd. | BE | 18/01/2021 | 12/03/2021 | 54 |
| 22 | Sonawane Mansi Sanjay | Synergy tooltech | SE | 15/02 2021 | 31/03/2021 | 45 |
| 23 | Sidhdee Bhase | ASSIST Design Automation Private Limited | TE | 1/02/ 2021 | 31/03/ 2021 | 60 |
| 24 | Kota Rushikesh Manoj | SOHAM INDUSTRIES | TE | 01/03/2021 | 01/05/2021 | 60 |
| 25 | Abhishek Sanjeev Deo | Indian Space Society | TE | 24/01/2021 | Ongoing | Min 3 months |

**5.7 LIST OF INDUSTRIES SUPPORTED IN THE ORGANISATION OF WORKSHOPS/SEMINARS/WEBINARS/CONFERENCES/COURSES AND ANY OTHER CONTRIBUTION OF INDUSTRY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Term One** | | | |
| **Sr.**  **No.** | **Faculty Coordinators** | **Industry Representative and Name of Industry** | **Nature of Contribution** |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Term Two** | | | |
| **Sr.**  **No.** | **Faculty Coordinators** | **Industry Representative and Name of Industry** | **Nature of Contribution** |
|  |  |  |  |

**5.8 TRAINING TO INDUSTRY PERSONNEL/ ACTIVITY SUPPORTING TO INDUSTRY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Term One** | | | |
| **Sr. No.** | **Faculty Coordinator** | **Technical Area in which Training Provided / Type of Support** | **Industry Name** |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Term Two** | | | |
| **Sr. No.** | **Faculty Coordinator** | **Technical Area in which Training Provided / Type of Support** | **Industry Name** |
|  |  |  |  |

**5.9 ANY OTHER ACTIVITIES TO PROMOTE INTERACTION WITH INDUSTRY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Term One** | | | |
| **Sr. No.** | **Faculty coordinator** | **Name of Activity** | **Remark** |
|  |  |  |  |
|  |  |  |  |

**5.10 STUDENTS UNDERGONE SANDWICH TRAINING (TERM I/II)(For Mech&Prod. )**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term One** | | | | | | |
| **Sr No** | **Name of student** | **Industry** | **Sr No** | **Name of student** | **Industry** |
| 1 | DESHPANDE AMEYA PRASHANT | Fortune Corporation | 35 | PAWAR KAUSTUBH SANJAY | Burckhardt compression Pvt Ltd. |
| 2 | PATIL GANESH KASHINATH | Shree Satpuda Tapi Parisar | 36 | POKALE GAYATRI SURYAKANT | Atlas Copco |
| 3 | SARKAR OMKAR VIKAS | SteelTech Engineering | 37 | BANDPATTE ADITYA VITTHAL | Verroc |
| 4 | JOSHI SWAMINI HEMANT | TATA motors | 38 | CHAUDHARI PRITAM NANA | Aditya |
| 5 | LAHOLE SAMEER VIJAY | TATA Motors | 39 | CHAVAN TANMAY SHAMKANT | M B Sugars and |
| 6 | BHOSALE SHUBHAM SUNIL | Manisha Industries | 40 | ANDURE YASHODEEP PRADEEP | Jadhao Gear Pvt |
| 7 | SISODIA CHINMESH GIRISH | kamal dies and engineering works | 41 | Mamidwar Purushottam Vikas | Aainath |
| 8 | CHHAPARWAL GEETANJALI ANIL | Suhas enterprises | 42 | CHAITANYA OMKAR SHRIKANT | Knorr-Bremse |
| 9 | NAVALE SUSHANT SHIVAJI | Kinetic Engineering LTD. | 43 | JADHAV HRISHIKESH SANJAY | Knorr Bremse |
| 10 | GANDHI SARTHAK SHRIRAJ | Knorr-Bremse | 44 | KAUDARE GAURAV BHARAT | Knorr Bremse |
| 11 | JOSHI ATHARVA SHEKHAR | Knorr-Bremse | 45 | BABAR MANASI BHALCHANDRA | khutale Engg Pvt Ltd |
| 12 | GAWADE VINAY ARJUN | Bharat forge LTD | 46 | TAPASE NIKHIL YUVRAJ | Shantanu bottling machine |
| 13 | KHAVALE DEEPESH CHANDRAKANT | Bharat Forge Ltd. | 47 | DESHMUKH RANJIT SAMEER | TATA Motors Ltd. |
| 14 | JAIN CHETAN RAVINDRA | Parth Industries | 48 | KULKARNI CHAITANYA BHALCHANDRA | Knorr Bremse |
| 15 | CHETAN MORESHWAR BAJARE | Fortune Corporation | 49 | PATODKAR VEDANT VINAY | Mirhae Engineering |
| 16 | CHOUDHARY PRATHMESH SATISH | Shree Satpuda Tapi Parisar | 50 | VAISHNAVI PRABHU | Forbes Marshall |
| 17 | PAWAR KAUSTUBH SANJAY | SteelTech Engineering | 51 | PANDIT PUSHKAR PRAVIN | Brembo Brake India Pvt. Ltd. |
| 18 | POKALE GAYATRI SURYAKANT | TATA motors | 52 | GUJAR SWARALI SUMEDH | Kaivalya Engineering Works |
| 19 | BANDPATTE ADITYA VITTHAL | TATA Motors | 53 | HAMZA SHETRANJIWALA | Pioneer enterprises Pvt.ltd |
| 20 | CHAUDHARI PRITAM NANA | Manisha Industries | 54 | PATIL SHUBHAM TIPPANNA | Fiat Chrsyteller Automobile Pvt.Ltd |
| 21 | NAVALE SUSHANT SHIVAJI | kamal dies and engineering works | 55 | RAUT SHRADDHA DIPAK | MG industries |
| 22 | GANDHI SARTHAK SHRIRAJ | Suhas enterprises | 56 | SHIRSATHE GAURAV RAKESH | chasis Brakes |
| 23 | JOSHI ATHARVA SHEKHAR | Kinetic Engineering LTD. | 57 | MOHITE DISHA SUHAS | Niyo Engineers |
| 24 | GAWADE VINAY ARJUN | Knorr-Bremse | 58 | BHAGYESH GOVIND KULKARNI | Novateur Elect and DSPL |
| 25 | KHAVALE DEEPESH CHANDRAKANT | Mettechnik | 59 | GHONGADE NITEEN DATTA | Volkswagen auto Midc |
| 26 | JAIN CHETAN RAVINDRA | Burckhardt compression Pvt Ltd. | 60 | PATIL PRATIK SAMBHAJI | Suncore Enginerring Solutions Pvt. Ltd.. |
| 27 | CHETAN MORESHWAR BAJARE | Burckhardt compression Pvt Ltd. | 61 | SANAS UMESH DILIP | CEAT |
| 28 | CHOUDHARY PRATHMESH SATISH | Atlas Copco | 62 | TALELE VARAD RAJENDRA | ARAI |
| 29 | Sivam Tambulwadkar | Preciamx | 63 | KULKARNI SHRIYA MILIND | PJ valves Mfg. Pvt. Ltd. |
| 30 | Sushant dol | Prime constrochem, HO | 64 | BHANDARE ANKUR NITIN | Atlas Copco Gas and Process |
| 31 | Rathod Aditya Pralhad | Prime Constrochem, HO | 65 | JADHAV OMKAR SUNIL | Atlas Copco |
| 32 | DIPAK CHIMAJI HEMADE | yash plastic & engineering works | 66 | JADHAV KUNAL SANJAY | IndiTech Valve |
| 33 | PATIL SATTYAM SUDESH | SOTS | 67 | SHAIKH BILAL ALI MASTAN ALI | WIESPL |
| 34 | WARDHAMANE ARIHANT PRASHANT | Matoshree Engineers | 68 | CHAUDHARI BHUMIK MANOJKUMAR | Kiran Machine Tools |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term Two** | | | | | |
| **Sr. No** | **Name of student** | **Industry** | **Sr. No** | **Name of student** | **Industry** |
| 1 | Agawane Kunal Rajendra | Tata Motors , Pune | 43 | Kamble Kiran Datta | Yantra Harvest Pvt Ltd |
| 2 | Alhat Omkar Bhanudas | Sandvik Asia Pvt. Ltd., Pune | 44 | Khairnar Harshkumar Ishwar | Sandvik Asia Pvt. Ltd., Pune |
| 3 | Anmol Kitchloo (J & K) | Tata Motors ,Pune | 45 | Khedkar Sudarshan Rajendra | Burckhardt Compression (Kondhapuri) |
| 4 | Anuj Sunil Misar | Tata Motors, Pune | 46 | Khot Pranav Sudip (Tfws) | M E Energy Pvt Ltd |
| 5 | Barke Akansha Sandip | 512 Army Base Workshop, Pune | 47 | Khan Shahid Nasim | Yantra Harvest Pvt Ltd |
| 6 | Bendale Ragini Kailas | 512 Army Base Workshop, Khadki,Pune | 48 | Lavhe Rachna Bapurao | S. S Heavy Equipments Pvt. Ltd Warje |
| 7 | Bhalerao Priyanka Anil | M.J Automation,Narhe,Pune | 49 | Lodh Vihang Uday | Aask Precision Engineers, Kothrud |
| 8 | Bhambal Monalisa Alex | M.J Automation,Narhe,Pune | 50 | Londhe Neha Satish |  |
| 9 | Bhandari Akash Vijaykumar |  | 51 | Moghe Athrva Shashank | Mubea Automotive Components India Pvt. Ltd |
| 10 | Bhasme Rushikesh Sanjay | Farmking Agro Industry | 52 | Mohite Vaishnavi Vijay | Alfa Laval Pvt. Ltd, Satara |
| 11 | Bhati Pratik Vasant | Ultra Enterprises | 53 | Momin Urooj Ahmed Ansari Ashfaque Ahmed | Knorr-Bremse Technology Center India Pvt Ltd, Hinjewadi Phase Ii |
| 12 | Bhosale Mayur Kisan | Burckhardt Compression Pvt.Ltd (Kondhapuri) | 54 | More Siddhant Kakasaheb | Suhas Enterprise |
| 13 | Bhutekar Mahesh Ganesh | Kranti Industries Ltd | 55 | Mrugendra Matekar | Thermotech Systems Ltd, Ahmedabad |
| 14 | Bodhe Atharva Rhishikesh | Knorr - Bremse Technology Center India Pvt Ltd Pune | 56 | Musai Sarvesh Sanjay | Knorr-Bremse Technology Center India Pvt Ltd, Hinjewadi Phase Ii |
| 15 | Bogawat Chirag Tushar | Cg Power And Industrial Solution Limited | 57 | Nagarale Ashutosh Rajendra | Mubea Suspension India Ltd. |
| 16 | Bogawat Karan Atul (Tfws) | Cg Power And Industrial Solution Limited | 58 | Nanaware Neemesh Mahesh | Tara Tools, Bhosari, Pune |
| 17 | Borse Siddhesh Mahendra | Tata Motors, Pune | 59 | Nikam Rushikesh Babasaheb | Mandar Industry Pvt Ltd, Aurangabad |
| 18 | Chandan Pramod Yadav | R & De(E),Pune | 60 | Niranjan Nitin Polekar | Nikhtish Engineering Pvt. Ltd. |
| 19 | Chaudhari Neha Manohar | Knorr -Bremse Technology Center India Pvt Ltd Pune | 61 | Pahade Yash Rahul | Kalyani Technofogre, Chakan |
| 20 | Chaudhari Yash Dinesh | Tata Motors, Pune | 62 | Panchal Preet Sanjay | Ambica Autotech Surat |
| 21 | Dabhade Shubham Ulhas | Creat Uno Minda, Bhosari | 63 | Panpatil Sumedh Bapurao | Mubea Suspension India Ltd. |
| 22 | Dabholkar Aniruddh Rajendra (Tfws) | Kion India Pvt Ltd | 64 | Parakh Rasik Ajay | Federal -Mogul Goetze(India)Limited |
| 23 | Desai Vishwajeet Lalasaheb | Sanmati Components Pvt.Ltd, Hatkanangale | 65 | Patil Rohit Vijay | Climber Systems Pvt Ltd, Gujarwadi, Pune |
| 24 | Deshmukh Chaitanya Govindrao | Ubique Packaging Systems Pvt. Ltd. | 66 | Pawar Aryadit Anil | Patil Automobiles, Solapur |
| 25 | Gaikwad Ashutosh Yeshwant | Sandvik Asia Pvt. Ltd.,Pune | 67 | Rathod Gaurav Prakash | Jhurbi Metrology And Consultant |
| 26 | Gaikwad Harshal Arvind | Sandvik Asia Pvt. Ltd., Pune | 68 | Raul Pooshan Vijay | Attaquant Enterprises Pvt Ltd. , Wakad |
| 27 | Gaikwad Shubham Bharat | Vertual Simutech Pvt. Ltd. Pune | 69 | Sandhiya Anbazhagan | Amphenol Interconnect India Pvt. Ltd. |
| 28 | Gaurav Joshi | Tata Motors, Pune | 70 | Sawant Sairaj Mangesh | Suhas Enterprises |
| 29 | Gawade Maithili Shashikant | Amphenol Interconnect India Pvt. Ltd. | 71 | Shinde Kaustubh Rajesh | Kion India Pvt Ltd |
| 30 | Gawade Pradhyumn Prashant | Ultra Enterprises, Pune | 72 | Shrivas Nayan Uday | Preci Forge And Gears, Chakan |
| 31 | Ghanwat Tejas Balasaheb | Aask Precision Engineers, Kothrud | 73 | Suryawanshi Devendra Sharad (Cob) | Knorr-Bremse Systems For Commercial Vehicles India Pvt Ltd , Hinjewadi Phase Ii |
| 32 | Gite Sanjana Sanjay | Skf Indian Limited ,Pune | 74 | Tantak Sakshi Rajesh | Balwant Industries, Chinchwad Midc Pune. |
| 33 | Gosavi Vishal Vijay | Attaquant Enterprises Pvt Ltd. , Wakad | 75 | Taware Prathamesh Mohan | Ankita Polymer India Pvt Ltd |
| 34 | Gurram Shubham Shrinivas | Yeshashvi Steels & Alloys Private Limited | 76 | Ugale Vaishnavi Santosh | M.E Energy Pvt. Ltd. |
| 35 | Hawaldar Siddharth Sunil | Hog Engineering Pvt Ltd | 77 | Vanbhane Tejas Balu | Gloria Engineering Company, Chikhali |
| 36 | Hiremath Vivek Vijaymahantesh | Tcl, Megasite, Phaltan. | 78 | Varun Pramod More | Tata Motors,Pune |
| 37 | Holambe Saiprasad Uttamrao |  | 79 | Waje Soham Mukund | Orion Instruments |
| 38 | Jiwade Aniket Chandrakant | Tata Motors, Pune | 80 | Zende Vidita Vijay | Lenze Mechatronics Private Limited, Pune |
| 39 | Jutla Ganesh Pundlik | Yeshashvi Steels & Alloys Private Limited | 81 | Harshad Shivaji Khandagale | Suhas Enterprises |
| 40 | Kabade Gaurav Ghanshyam | Ultra Enterprise Bhosari | 82 | Suraj Nandkishor Khandelwal | Knorr Bremse Technology Centre India Pvt.Ltd.Pune |
| 41 | Kamble Kiran Datta | Yantra Harvest Pvt Ltd | 83 | Suraj Nandkishor Khandelwal | Knorr Bremse Technology Centre India Pvt.Ltd.Pune |
| 42 | Kamani Darshak Vinod | Arya Engineering |  |  |  |

|  |  |
| --- | --- |
| Few good photographs related to different activities organized under Industry Institute Interaction | |
| Size of photo 5 cm x 7 cm with captions |  |
|  |  |
|  |  |
|  |  |

1. **STUDENTS’ ACHIEVEMENTS**

**6.1 STUDENTS’ ACHIEVEMENT(Professional) (Individual Level)(Technical activities such as design competitions, paper presentation, technical quiz, Product development, innovation, etc.)**

|  |  |  |
| --- | --- | --- |
| **Term One** | | |
| **Name of Student** | **Details of Achievement (State/University/ National/International Level)** | **Remark**  **(Domain)** |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Term Two** | | |
| **Name of Student** | **Details of Achievement (State/University/ National/International Level)** | **Remark**  **(Domain)** |
| Omkar khot | BETIC EMEDHA  HACKATHON 2021 | Winner of Impact to Reality award |
| MONALI PATIL | NES INNOVATION AWARD 2021 | Our team is one of top 50 qualified teams. |
| Omkar khot |
| Atharva Joshi | National, MAHARASHTRA HEALTH HACKATHON  2021 | Winner- Team NIDAAN ( Track B) |
| Omkar khot |
| Rajeshawari Deshmukh | IIRS Outreach program | Participated |

**6.2 STUDENTS’ ACHIEVEMENTS (other than Professional)(Individual Level)(Social activities, etc.)**

|  |  |  |
| --- | --- | --- |
| **Term One** | | |
| **Name of Student** | **Details of Achievement (State/University/ National/International Level)** | **Remark**  **((Domain)** |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Term Two** | | |
| **Name of Student** | **Details of Achievement (State/University/ National/International Level)** | **Remark**  **((Domain)** |
| **Vivek Singh** | **Selected All India Rank in Competition of Best Cadet underSD(air) on Republic day 2021.** | **2nd Rank** |
|  |  |  |
|  |  |  |

**6.3 CERTIFICATE / ONLINE COURSES COMPLETED BY STUDENTS (Certificate courses, value added courses, MOOC, etc.)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term One** | | | | |
| **S N** | **Name of Student** | **Title of the Course** | **Conducted By** | **Duration/ Dates** |
| 1 | Chirag Gore | Industrial Hydraulics and Pneumatics | Fluid Power Society of India | 27th June- 8th July 2020 |
| 2 | Chaitanya Kale | National Level webinar on Opportunity for Engineers in Indian Armed Forces | Capt. Tanuja kabre | July 18, 2020 |
| 3 | Sharayu Kulkarni | Vishwacon 2020 | VIIT Pune | 28th Nov. 2020 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term Two** | | | | |
| **S N** | **Name of Student** | **Title of the Course** | **Conducted By** | **Duration/ Dates** |
|  |  |  |  |  |

**6.4 NUMBER OF STUDENTS PLACED**

|  |  |  |  |
| --- | --- | --- | --- |
| **Term One** | | | |
| **Sr No** | **Name of Organization visited** | **Number of students Participated** | **Number of students Placed** |
| **1** | **TCS** |  | **03 (M/S)** |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Term Two** | | | |
| **Sr No** | **Name of Organization visited** | **Number of students Participated** | **Number of students Placed** |
|  |  |  |  |
|  |  |  |  |

Lower Package Offered:

Higher package Offered:

Average Package Offered:

**6.5 NUMBER OF STUDENTS QUALIFIED IN THE EXAMINATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GATE** | **GRE** | **UPSC** | **MPSC** | **Any other reputed examination for Higher studies (TOFEL, etc.)** |
| **04** |  |  |  | **01- IELTS** |
|  |  |  |  |  |
|  |  |  |  |  |

**6.6 SPORTS / CULTURAL ACHIEVEMENTS OF STUDENTS (Individual Level) (Team level achievements to be mentioned in institute level sports/Cultural committee report)**

|  |  |  |
| --- | --- | --- |
| **Term One** | | |
| **Name of Student** | **Details of Achievement (State/University/ National/International Level)** | **Remark**  **(Domain)** |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Term Two** | | |
| **Name of Student** | **Details of Achievement (State/University/ National/International Level)** | **Remark**  **(Domain)** |
|  |  |  |
|  |  |  |
|  |  |  |

**6.7 STUDENTS’ ACHIEVEMENTS(Team Level)**

|  |  |  |  |
| --- | --- | --- | --- |
| **First Half** | | | |
| **Name of Event** | **Name of Faculty Advisor** | **Details of Achievement (State/University/ National/International Level)** | **Remark**  **(Domain)** |
| Effi Cycle 2020 | C S Choudhari | Winner - Best Project Plan at national level |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Term Two** | | | |
| **Name of Event** | **Name of Faculty Advisor** | **Details of Achievement (State/University/ National/International Level)** | **Remark**  **(Domain)** |
| Toycathon 2021 | Dr. Manish Deshmukh, Mr. Milind Swami | National level event organised by Ministry of Education, Gov of India | Team selected in grand finale |
| Maharashtra Hackathon 2021 |  | International level event organised by MIT USA hacking medicine 2021 | Winner: Team NIDAAN |
| Endurance | Dr. Avinash Waghmare, Dr. Chandrashekhar Dharankar | International, BAJA SAEINDIA 2021 | All terrain performance award 3rd rank |
| BAJA SAEINDIA 2021 | Dr. Avinash Waghmare, Dr. Chandrashekhar Dharankar | International, BAJA SAEINDIA 2021 | Overall award winner 4th rank |
| Digital Hackathon |  | National, National Education Society Innovatipon award 2021 | The team qualified the Top 50 Unique Entries |
| BETIC EMEDHA  HACKATHON 2021 | Dr. Manish Deshmukh, Mr. Milind Swami | BETIC EMEDHA  HACKATHON 2021 | Winner of Impact to Reality award |

|  |  |
| --- | --- |
| Few good photographs related to students’ achievements | |
| Size of photo 5 cm x 7 cm with captions |  |
|  |  |
|  |  |
|  |  |

1. **SUMMARY**

**AND**

**SWOC ANALYSIS**

**7.1 ANY OTHER NOTEWORTHY ACHIEVEMENT OF THE DEPARTMENT(Not mentioned above)**

|  |  |
| --- | --- |
| Sr. No. | **Details** |
| **1** | **Four faculty members got recognition as a PhD Guide of SPPU** |
|  |  |

**7.2 MISCELLANEOUS (SYLLABUS IMPLEMENTATION, MAJOR ADDITION IN INFRASTRUCTURE AND FACILITY, INNOVATIONS INTRODUCED, ETC.)**

|  |  |
| --- | --- |
| **FACULTY** | **ACTIVITY** |
| Dr C S Choudhari | Participation in Syllabus Implementation workshop for the course of “Engineering Thermodynamics” on 17 - 20 June 2020, organised by D Y patil College of Engineering Pune |
| Dr C S Choudhari | External examiner for M Tech dissertation on 3/09/2020 at SET’s Arvind Gavali COE satara |
| Dr C S Choudhari | Subject chairman for SPPU university examination for the subject of Refrigeration and Air conditioning |
| Dr P S Gajjal | Syllabus Implementation Workshop for the course of  “ Solid Mechanics” MES Pune on 17/6/2020 |
| S S Patil | Syllabus Implementation Workshop for the course of  “ Solid Mechanics” MES Pune on 17/6/2020 |
| N N Gotkhindikar | Syllabus Implementation Workshop for the course of  “ Solid Mechanics” MES Pune on 17/6/2020 |
| N N Gotkhindikar | Syllabus Implementation Workshop for the course of  “ Engineering Materials and Metallurgy” AISSMS COE Pune on 19/6/2020 |

**7.3 FEEDBACK FROM STAKEHOLDERS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr No** | **Stake holder** | **Number of Feedbacks Received** | **Overall Feedback** |
| 1 | Alumni | **10** | **Satisfactory ,suggested some courses to be incorporated.** |
| 2 | Parents | **56** | **Satisfied with teaching faculties and infrastructure in department.** |
| 3 | Employers | **23** | **Satisfied with infrastructure,Suggested improvement in curriculum,Some facilities are required.** |
| 4 | Students | **333** |  |

**7.4 TWO BEST PRACTICES FOLLOWED IN THE DEPARTMENT**

|  |
| --- |
| Weekly activity report for each week |

|  |
| --- |
| One faculty one Industry |

**7.5 MAJOR GRIEVANCES OF STUDENTS (IF ANY) REDRESSED(\*) (Not to be included in annual report)**

|  |
| --- |
| **Nil** |

**7.6 SWOC ANALYSIS**

Detail five major strengths, weaknesses, opportunities, and challenges (SWOC) of the department and future plans of the Departments

|  |  |  |
| --- | --- | --- |
| **Strengths** | **1** | 11 Faculty members with PhD Qualification. Another 8 are pursuing PhD |
|  | **2** | Average experience of faculty is more than 15 Years |
|  | **3** | Retention ratio is good |
|  | **4** | SFR is reasonable |
|  | **5** | PhD research centre (Six internal faculty are having PhD guide recognition of SPPU) |

|  |  |  |
| --- | --- | --- |
| **Weaknesses** | 1 | Hardly any Consultancy work is going on |
|  | 2 | High end research facility is lagging |
|  | 3 | Modernization of laboratories are to be done |
|  | 4 | Need to fetch more research funds |
|  | 5 | National/International Industry/Academia collaboration is required |

|  |  |  |
| --- | --- | --- |
| **Opportunities** | 1 | To develop Research Laboratory |
|  | 2 | To develop Industry support Laboratory |
|  | 3 | To establish centre of excellence in the department |
|  | 4 | Get more number of research students |

|  |  |  |
| --- | --- | --- |
| **Challenges** | 1 | To improve admission scenario |
|  | 2 | Updation of laboratories as per present need of Industry |
|  | 3 | To improve Placement scenario |
|  | 4 | To encourage students to become entrepreneurship |

**7.7 FUTURE PLANS OF THE DEPARTMENT(For Next Academic Year)**

|  |  |
| --- | --- |
| **1** | NBA accreditation |
| **2** | MoU with international academic institute |
| **3** | Enhanced interaction with Industry 1. Knorr Bremse, 2. Cone cranes |
| **4** | Fetching research funding and consultancy |

**7.8 INITIATIVES TAKEN BY THE DEPARTMENT AT DEPARTMENT AND INSTITUTE LEVEL TO IMPROVE AND ASSURE QUALITY IN THE FOLLOWING AREAS**

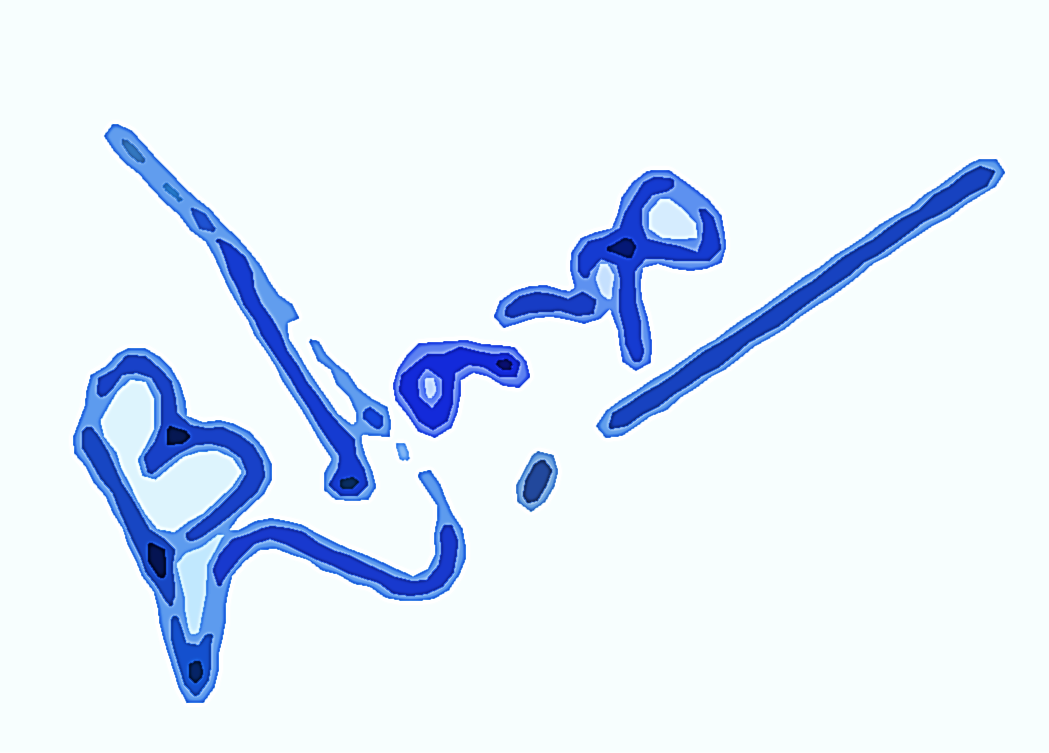
|  |  |
| --- | --- |
| **Area** | **Initiatives** |
| Academics and overall profile of Department | 1. Four faculty members got PhD recognition from SPPU |
| Organization of different activities | Organised following activities during AY 2020-21 and beneficiaries  **Webinars**: 8 (2500 +)  **Faculty development programs:** 02 (258+156=414)  **4 day online training program**: 01 (303)  **Quiz**: 02 (750+)  **Alumni Interaction**: 03 |
| Research and Innovation | **Journal Papers: 39**  **Conference Papers: 18**  **Books: 07**  **Patent: 04**  **Moocs/NOTEL: 29**  **FDP: 124**  **Webinar/Seminar: 167**  **Consultancy testing: 02**  **Funding Research:03**  **e\_Content Developed: 13**  **Training/Corses: 44**  **Any other : 26** |
| Industry institute Interaction | **MoU/III/OFOI: 12** |
| Students’ Achievements |  |

**SUMMARY SHEET (Annual)**

|  |  |  |
| --- | --- | --- |
| **Sr No** | **Activity/ Item** | **Numbers** |
| **PROFILE OF DEPARTMENT** | | |
| 01 | Students in the department | 841 |
|  | **FACULTY CONTRIBUTION** |  |
| 02 | e content developed by faculty and available online | 08 |
| 03 | Number of FDP/STTP attended by the department faculty | 118 |
| 04 | Number of Seminars/ workshops/ webinars attended by the department faculty | 133 |
| 05 | Number of Conferences/ symposiums attended by the department faculty | 05 |
| 06 | Number of Online courses / certificate courses completed by department faculty | 27 |
| 07 | Number of extension lectures / webinars (Lectures delivered on other than technical topics)) | 05 |
| 08 | Number of Faculty served as resource person, expert, chairperson | 05 |
|  | **ACTIVITIES ORGANISED** |  |
| 09 | Number of FDP/STTP organized by the department | 02 |
| 10 | Number of Seminars/ workshops/ webinars organized by the department (for faculty) | 09 |
| 11 | Number of Conferences/ symposiums organized by the department (for faculty) | - |
| 12 | Number of Extension activities conducted by the department (Social/ Quizzes at national/international level/any other activity) | 03 |
| 13 | MOU signed with academic and professional organizations | - |
| 14 | Number of Students’ chapters /clubs | 04 |
| 15 | Number of Social activities organized | 01 |
| 16 | Number of Parent meeting | 01 |
| 17 | Number of Alumni meet | - |
| 18 | Number of student counseling and career guidance at the department level | - |
|  | **RESEARCH CONTRIBUTION** |  |
| 19 | Number of Funded research project | - |
| 20 | Number of Testing and consultancy | - |
| 21 | Number of Patents, copyright, trademark and other (IPR) | 01 |
| 22 | Number of Papers published/ presented in proceedings of conferences | 07 |
| 23 | Number of Papers published in journals | 23 |
| 24 | Number of Book/ article publications | 04 |
| 25 | Total Research citations | 798 |
| 26 | Number of ME awarded | 09 |
| 27 | Number of PhDAWARDED | - |
|  | **INTERACTION WITH INDUSTRY** |  |
| 28 | Number of Industrial visits organised | 01 |
| 29 | Number of Expert lectures delivered by industry experts | 02 |
| 30 | Number of Industry –sponsored projects (UG/PG) | 03 |
| 31 | Number of MOU signed with industry | 03 |
| 32 | Number of Faculty members undergone industrial training | - |
| 33 | Number of Students undergone in-plant training and (or) internship programme | 40 |
| 34 | Number of students placed | - |
| 35 | Number of students qualified in the examinations | 05 |

**Declaration by the Head of the Department**

I am aware that the above information provided by the Department will be validated by the AAA committee during the visit.

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**Dr B D Bachchhav**

**(Name and Signature)**

**Head of Department**

**Mechanical Engineering**