

ANNUAL REPORT OF MECHANICAL ENGINEERING DEPARTMENT FOR THE ACADEMIC YEAR 2020-21

It gives me immense pleasure to present before you the annual report of Mechanical Engineering department.



It includes various achievements of students and faculty members and different activities conducted during the academic year 2020-21.

We believe that “If you want to go fast, go alone. If you want to go far, go together.”

1) ACADEMIC PERFORMANCE:

Our students have shown excellent results in university examination in the academic year **2019-20**. Result of S.E, T.E and B.E classes in the academic year **2019-20** examination are as follows:

A. Performance in University Exam

Rankers of the Class:

The first five rankers of SE, TE & BE Mechanical class are as follows.

BE (Mechanical) (Prof. C.V. Papade & Dr. M.S. Dafedar) CC of Sem II

Rank	Name of Student	Percentage
I	Mohini Dattatraya Gilbile	90.7
II	Rameshwar Santosh Udgiri	90.5
III	Shaikh Samir Sattar	90.2
IV	Sunkanpalli Abhishek Ambadas	90.1
V	Mabrukhane Pratik Iresh	90

TE (Mechanical) (Prof. S.S. Kale and Prof. V V Birangane) CC of Sem II

Rank	Name of Student	Percentage
I	Mr. Pardeshi Rakesh Chagan	95.45
II	Miss Shaikh Nasreen Sikandar	95.27
III	Mr. Ingale Suraj Nagesh	94.09
IV	Mr. Shaikh Aslam Innus	92.82
V	Mr. Patil Vishwesh Basavaraj	92.55

**SE (Mechanical) (Dr N R Patil & Prof. B R Birajdar)
CC of Sem II**

Rank	Name of Student	CGPA
I	Vibhute Shubham Kantilal	85.23%
II	Patil Shivsharan Sunil	84.58%
III	Kalshetti Rajesh Shivanand	84.32%
IV	Ajgunde Guruprasad Devidas	83.90%
V	Koli Prasad Siddheshwar	83.85%

• Class wise Passing Results:

S.E. (Mechanical) – XXX%(Above CC Members)

T.E. (Mechanical) – XXX%(Above CC Members)

B.E. (Mechanical) –XXX%(Above CC Members)

B. Success in GATE-2021 Examination

Mechanical engineering department conducted one month crash course in winter vacations for preparation of GATE-2021 examination. We arranged 45 hours' expert session for Mathematics and Aptitude of MSMF Institute Hyderabad. Motivational and informative session by the experts and previous years GATE qualified students conducted sessions for SE to BE students. Prof. D.D. Bhoge worked as Career Counseling Coordinator of our Department. Following are the qualified students in GATE-2021

Sr. No.	Name of Student	Score/AIR
1	Mr. Balkrishna Paskanti (Batch-2017)	AIR-208
2	Mr. Saiprasad Chintakindi (Batch-2021)	560
3	Mr. Ayan Shaikh (Batch-2021)	427
4	Mr. Ayan Shaikh (Batch-2021)	495
5	Mr. Sohailkhan Patel (Batch-2020)	373
6	Mr. Amit Babangare (Batch-2020)	324
7	Mr. Laxaman Mane (Batch-2020)	238

C. Success in GRE/TOEFL/ IELTS Examinations

Following students of Mechanical Engineering Department have cracked IELTS examination for pursuing their Master's Degree in universities abroad. Dr. Shriniwas S. Metan, worked as coordinator and guided these students for exam preparation.

Sr. No.	Name of Student	Exam
1	Mr.Hardik Madda	IELTS
2	Mr.Salik Bijapure	IELTS
3	Mr.Mallikarjun Sarwad	IELTS
4	Mr Faisal Sayyad	GATE
5	Mr Arbaz Nadaf	IELTS

Admissions to Masters in Universities Abroad:

In the academic year, 2020-21, following three students are going for pursuing their Master's Degree in foreign universities.

Sr. No.	Name of Student	Exam
1	Mr.Hardik Madda	IELTS
2	Mr.Rakesh Machrala	IELTS
3	Mr.Krist Sane	IELTS
4	Mr.Rohit Patil	IELTS
5	Mr.Salik Bijapure	IELTS
6	Mr.Ashish Chandane	IELTS
7	Mr. Aftab Merchant	IELTS

Admissions to Masters in Universities Abroad:

In the academic year, 2019-20, following three students are going for pursuing their Master's Degree in foreign universities.

1. Mr. Saleek Bijapure got admission to M.S. Programme in Simulation and System Design at HOCHSHULE STRALSUND, Germany for Fall 2020.
2. Mr. Hardik Madda got admission to M.S. program in Natural Science and Engineering at University of Siegen, Germany.
3. Mr. Mallikarjun Sarwad got admission to XXX(Waiting)
4. Mr.Arbaz Nadaf has got admission to XXXX(Waiting)

2) INDUSTRY- INSTITUTE INTERACTION:

A. MOU

Mechanical Engineering Department signed MOU in the previous years with various industries such as La Fondation Dassault Systemes Ltd, TTL, Thermax O & M Division, Pune, Saurabh Flexipack Systems Ltd, Pune; Precise Industries Ltd, Solapur, Vernier Design Solutions Pvt Ltd, Pune.

Following MoUs were signed in this academic year.

1. MOU with La Fondation Dassault Systemes Ltd, Pune.

MoU is signed with La Fondation Dassault Systemes Ltd, Pune on 15/12/2021 under Solar Research Center Phase II. La Fondation Dassault Systemes Ltd funded Rs 37.4 Lakhs to develop nine Solar Innovative Products for enhancing the Rural Ecosystem especially for farmer community. Dr. Shriniwas S Metan is the coordinator for this project.

2. MOU with Setco Spindle Ltd, Pune

MoU is signed with Setco Spindles India Pvt. Ltd. Pune on 26th November 2020 to train the students and staff and acquire the technical knowledge and industry required skills. There will be mutual collaboration for projects, internships and placement drive. Prof. A S Dhobale is the coordinator for this activity.

3. MOU with Precision CamShaft Ltd Solapur

MoU is signed with Precision Camshaft Ltd, Solapur on 06/01/2021 to develop two Seater Solar Car in the PCL company. PCL will provide Internship and Placements to the students. Dr. Shriniwas S Metan is the coordinator for this activity with Prof.P.N. Kulkarni as Co-coordinator.

4. MOU with ADJ InfoTech, Solapur

MoU is signed with ADJ InfoTech, Solapur on 25/03/2021 to train the students in C, C++ and Data Structure. ADJ Info Tech will provide training and placement assistance also.

Dr. Shriniwas S Metan is the coordinator for this activity with Prof. P.N. Kulkarni as Co-coordinator.

5. MOU with Maharashtra Chambers of Commerce & Industries Agriculture

MoU is signed with **Maharashtra Chambers of Commerce Agriculture**, Mumbai on 13/04/2021 for improving Holistic Interdisciplinary Environment Creation, Training & Skill Development (staff, students, industry), Focus on Academic activities (performance skill based), Recruitment related activities (employable product). Dr. Shriniwas S Metan is the coordinator for this activity.

3) SPONSORED PROJECTS & INTERNSHIP

Following data shows the sponsored projects & internship from various industries in the academic year 2020-21.

1. The project entitled “Solar Operated Grass Cutter”, under the guidance of Dr. Shriniwas. S Metan from *Shardashram Foundation Pune*.
2. The project entitled “Solar Operated Self Balancing Vehicle”, under the guidance of Dr. Shriniwas. S Metan from *La Fondation Dassault Systems Ltd Pune*.
3. The project entitled “Design and Development of Community Based Solar Tree for Rural Area”, under the guidance of Dr. Shriniwas. S Metan from *La Fondation Dassault Systems Ltd Pune*.
4. The project entitled “Multipurpose Solar Lantern and Solar Home Light System.”, under the guidance of Dr. Shriniwas S Metan from *Shardashram Foundation Pune*.
5. The project entitled “Solar water purifier for rural masses with zero water reject”, under the guidance of Dr. B K Sonage from *La Fondation Dassault Systems Ltd Pune*.
6. The project entitled “Design and Development of Solar operated Street light” under the guidance of Prof. S.S. Kale from *Shardashram Foundation Pune*.
7. The project entitled “Solar operated automatic water sprinkler system for smart agriculture.”, under the guidance of Prof. S.S. Kale from *La Fondation Dassault Systems Ltd Pune*.
8. The project entitled “Design & Modeling of compact 10 W solar panel laminating machine”, under the

guidance of Prof. C.V. Papade from *Shardashram Foundation Pune*

9. The project entitled “Design & development of heat exchanger for solar water heater application”, under the guidance of Prof. C.V. Papade from *Trend Innovations Ltd Pune*.
10. The project entitled “Design and Development of Solar Panel Laminating Machine”, under the guidance of Prof. C.V. Papade from *La Fondation Dassault Systems Ltd Pune*.
11. The project entitled “Design and Development of Solar DC Water Pump”, under the guidance of Prof. C.V. Papade from *La Fondation Dassault Systems Ltd Pune*.
12. The project entitled “IOT Based Solar Dehydration System with Energy Storage Material for Agricultural Products”, under the guidance of Prof. C.V. Papade from *La Fondation Dassault Systems Ltd Pune*.
13. The project entitled “Design & Development of Solar Operated Milk Pasteurization System”, under the guidance of Prof. C.V. Papade from *La Fondation Dassault Systems Ltd Pune*.
14. The project entitled “Design and Development of Solar Thermoelectric Refrigerator for remote site”, under the guidance of Prof. D.D. Bhoge from *La Fondation Dassault Systems Ltd Pune*.
15. The project entitled “Energy Generation using Vertical Axis Wind Turbine Integrated with Solar Panel”, under the guidance of Prof. B R. Birajdar from *Autodesk, Pune*.
16. The project entitled “Design and Development of AASAN : A Seat for Backpain Relief”, under the guidance of Prof. V.P. Kulkarni from Advik India.
17. The project entitled “Shop Floor Layout Optimisation to reduce the lead time in ADVIK”, under the guidance of Prof. V.P. Kulkarni from Advik India.

4) SOLAR RESEARCH CENTER ACTIVITY:

Following courses were organized by the department for the mechanical and electrical engineering students, under different skill development program under solar domain. Prof. C. V. Papade was the coordinator for these courses.

Sr. No.	Course	No. of Students	Duration
1	Solar Energy Technology & Systems	42	60 hrs
2	Solar Energy Technology & Systems	35	30 hrs

Many activities were conducted in Solar Research Center in this academic year such as “visit to the Center by students from various School, College and even ITI Govt, Diploma student’s workshops etc.”

Research Fund Received for Solar Research Center Phase II From La Fondation Dassault Systemes, Pune

This year the dept received research funding for our Solar Research Center from La Fondation Dassault Systemes, Pune to develop nine Solar Innovative Products for enhancing the Rural Ecosystem especially for farmer community.

Sr. No.	Project Title	Total Amount in Lakhs	Project Guide
01	Solar Tree for village and remote area electricity needs	₹ 1,180,000	Dr.Shriniwas S.Metan
02	Solar operated Automatic Water Sprinkler System for smart agriculture	₹ 363,000	Prof.S.S.Kale
03	Solar water purifier for rural masses with zero water reject	₹ 500,000	Dr.B.K.Sona ge
04	Solar DC Water Pump Prof. CVP	₹ 350,000	Prof.C.V.Pap ade
05	Solar Operated Milk Pasteurizing system	₹ 262,000	Prof.C.V.Pap ade
06	Solar Dehydration System with energy storing material for Agricultural Products	₹ 300,000	Prof.C.V.Pap ade
07	Solar Panel Laminating Machine	₹ 1,000,000	Prof.C.V.Pap ade
08	Solar Thermoelectric	₹ 85,000	Prof.D.D.Bho

	Refrigerator Prof DDB		ge
--	-----------------------	--	----

5) CO-CURRICULAR COURSES CONDUCTED: (Prof. S.K. Khilare) & (Prof. S.V. Kumbhar)

Department of Mechanical Engineering has conducted various Co-curricular courses which helps to enhance the technical skills of the students to become industry ready. Prof. S. K. Khillare has worked as a coordinator for these courses.

Sr. No.	Course	No. of Students	Duration
1	Solar Ready Engineer	35	30 hours
2	Ready Engineer 2.0 Training Program by TTL	64	40 hours per semester

6) FACULTY PUBLICATIONS:

- Shrinivas S. Metan, Mr.Saleek Bijapure, Mr.Mayur Mukkavar, “Design and Analysis of Steering Knuckle of the Automobile Steering System”, Solid State Technology, Volume 63, Issue 05, October 2020, pp 3166-3178 (Scopus Indexed)
- Sonage B.K, Kashid A.S, “Mechanized cloth duster”, Official journal of the patent office of India, Controller general of patents, designs and trademarks, 45/2020, pp.56296.
- Nitinchand Patil and Krishna Prasad (2020) “Study of elastic and frictional behavior of fiber reinforced polymer (epoxy) matrix composite” (AIP Conference Proceedings 2247, 040003 (2020); <https://doi.org/10.1063/5.0004068>) .(SCOPUS)
- A.D.Mohammed Samee, H.Fayaz, Asif Afzal,R.D. Jilte, “ Optimization of Thermal and Structural Design in Lithium-ion Batteries to Obtain Energy Efficient Battery Thermal Management System (BTMS): A Critical Review”, Archives of Computational Methods in Engineering (Springer Journals),
- A.D. Mohammed Samee, Asif Afzal, R.D. Jilte, Md. Tariqul Islam, A. Muthu Manokar, Kaladgi Abdul Razak, “Battery thermal management: An optimization study of parallelized conjugate numerical analysis using Cuckoo

- search and Artificial bee colony algorithm”, International Journal of Heat and Mass Transfer (Elsevier), Volume 166, February 2021, PP 1-21 , (Science Citation Index Expanded, Scopus Index, Applied Science and Technology Index).
6. Prof. S S Kale, Mr. G S Bhosale, “A Review on Convective Heat Transfer Augmentation Using Non Metallic Insert”, International Research Journal of Engineering and Technology(IRJET) e-ISSN: 2395-0056 Volume: 08 Issue: 03| Mar2021, p-ISSN: 2395-0072.
 7. C.V. Papade & A.B. Kanase-Patil “Day & Night Parabolic Concentrating Solar Cooker using Nano-mixed PCM”, AIP Conference Proceedings, Volume 2335 Issue 01, 10 March 2021, (Scopus Indexed)
 8. C.V. Papade & A.R.Vhanmane “IOT based Solar Application”, RDMPMC Conference Proceedings at NIT Jamshedpur, Volume 5 Issue 01, 26 August 2020.
 9. C.V. Papade, “CFD Analysis of Cooling Fan for Lathe Machine Operator”, IPASJ International Journal of Mechanical Engineering (IJME) Volume 9, Issue 1, pp.01-05, January 2021 (Thomson Reuters Indexed)
 10. V.V. Birangane, “Earth-Air Tunnel Heat Exchanger: A Review”, International Journal of Engineering Research & Technology, Volume 10, Issue 2, February 2021 , ISSN: 2278-0181
 11. Prof. M. B. Awate “Design & Manufacturing of Pneumatic Circular Saw Machine Using Feeder” 3rd International Conference (Techno-Societal_2020) on Advanced Technologies for Societal Applications.
 12. Prof. B. R. Birajdar, “Design & Manufacturing of Pneumatic Circular Saw Machine Using Feeder” 3rd International Conference (Techno-Societal_2020) on Advanced Technologies for Societal Applications.
 13. Prof. B. R. Birajdar ,“Design and Fabrication of Footstep Power Generation “in International Journal for Research in Applied Science & Engineering Technology Volume 9, Issue V, May 2021
 14. Prof A.B. Magar, “Stress analysis of infinite laminated composite plate with elliptical cutout under different in plane loadings in hygrothermal environment, Curved and Layer.” Struct. 2021; 8:1–12, Scopus
 15. Prof A.B. Magar, “Moments around elliptical hole in a symmetric laminated composite plate under hygrothermal environment”, Materials Today: Proceedings, Volume 44, Part 6, 2021, Pages 4092-4096 (Scopus.)
 16. Prof A.B. Magar, “Progressive failure analysis of laminated plate containing elliptical cutout, International journal of structural integrity” , Emerald, 2021, (Scopus.)
 17. Prof. Prasad N. Kulkarni et. al., “Design and Development of Footstep Power Generation”, International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653 Volume 9 Issue V May 2021 pg 955-959
- 7) SHORT TERM COURSE / CONFERENCE/ WORKSHOPS ATTENDED / ORGANISED BY OUR FACULTY MEMBERS.**
- Following faculty members have attended the workshops/ Seminars and conferences
1. Dr. Shriniwas S Metan has completed 5 Days Workshop on “Incorporating Universal Human Values in Education for VCs, Directors & UHV Conveners” from 02 – 06 July 2020.
 2. Dr.Shriniwas S Metan has attended Webinar on “Factory Automation, Manufacturing Automation and Robotics” by Prashant Mysore Global Startegic Buisness Development Director on 09 July 2020 organized by La Foundation Dassault Systemes, India.
 3. Dr.Shriniwas S Metan has attended Webinar on “Engineering Made Easy with Visual Learning: Online Classrooms and E-Platforms” on 12th July 2020 organized by AGIMUS ACADEMY.
 4. Dr.Shriniwas S Metan has attended Webinar on “Electric Vehicles Domain and career prospects for Engineers to explore in this domain” by Mr. Nandkumar Khandare – Chairman, Technorithm Engineering Pvt. Ltd.on 23rd July 2020 organized by La Foundation Dassault Systemes, India.
 5. Dr.Shriniwas S Metan has completed 5 Day On-line Faculty Development Programme (FDP) on “Advances in Automotive Mechatronics” organized by RV-Mercedes Benz Centre for Automotive Mechatronics, nd st during July 27 to 31 2020.
 6. Dr.Shriniwas S Metan has attended webinar “To Guide Students to Select Meaningful Engineering Projects” on

- 6-07- 2020. organized by La Foundation Dassault Systemes, India and AICTE.
7. Dr.Shriniwas S Metan has attended webinar “ConnectNext : Empowering student to be Future Ready” on 12-08- 2020 and 14/08/2021 organized by La Foundation Dassault Systemes, India
8. Dr.Shriniwas S Metan has attended webinar “SOLIDWORKS Education Webinar Series - Back to School with SOLIDWORKS Education 2020-2021” on 09-08- 2020. organized by Solidworks USA.
9. Dr.Shriniwas S Metan has attended and presented the project 2 Seater Solar Car in the Conference “ConnectNext ” on 17-09- 2020, 24/09/2020 organized by La Foundation Dassault Systemes, India
10. Dr.Shriniwas S Metan has attended 2 Days Conference on “NEP-2020: ROAD AHEAD FOR DBATU” on September 18 – 19, 2020.
11. Dr.Shriniwas S Metan has attended Conference on “Students Solar Ambassadors Workshop” by Energy Swaraj Foundation on 23rd September, 2020.
12. Dr.Shriniwas S Metan has attended a Webinar “ Basics of Fan Design” by Mr. Sushil K Chowdhury, Managing Director Blowtech Air Devices Pvt Ltd organized by ISHRAE on 24-09- 2020
13. Dr.Shriniwas S Metan has attended a Webinar “ Exploring Systemes Engineering for Solar Energy Based Applications” by Mr. Ajinkya Naik, System Design Engineer Dassault Systemes Ltd on 09-10- 2020
14. Dr.Shriniwas S Metan has attended a Webinar “ 3D Experience Education Platform” by Mr. Muralidhar K, on 10-10- 2020
15. Dr.Shriniwas S Metan has attended a Webinar “ 3D Experience EDU/ Students Exchange with Experts and your Peers” by Mr. Yash Dhake, System Design Engineer Dassault Systemes Ltd on 21-10- 2020.
16. Dr.Shriniwas S Metan has attended ATAL AICTE 5day FDP on “Electric Vehicles” organized by Dept of Electrical and Electronics engineering TEEGALA KRISHNA REDDY ENGINEERING COLLEGE HYDERABAD TELANGANA India from 9/11/2020 to 13/11/2021.
17. Dr.Shriniwas S Metan has attended a “3rd Annual Day Programs” by La Fondation Dassault Systemes Ltd on 20-11- 2020.
18. Dr.Shriniwas S Metan has attended “ 10th CII Education Summit: NEP for a New Education Paradigm Towards Greater Industry-Institute Collaborations” organized by AICTE and CII on 10th and 11th December 2020.
19. Dr.Shriniwas S Metan has attended a Webinar “ Flying out of turbulence: Reimagining Defense Aerospace Industry” organized by SAE Aerospace Forum on 1st February 2021.
20. Dr.Shriniwas S Metan has completed the 5 Weeks FDP Program on “Industry Connect Internship Program” from 20th April 2021 to 29 May 2021 organized by Maharashtra Chambers of Commerce India Agriculture and Jugaad Funda and Singapore Polytechnic.
21. Dr.Shriniwas S Metan has attended webinar “Future of Engineering through Immersive Technology” by Mr Yash Dhake on 22/04/2021 organized by Dassault Systemes India..
22. Dr B K Sonage has Conducted a faculty development programme on,” NATE course discussion and preparation of NBA SAR” for all teaching and non teaching staff of NKOCET from 17/05/20-28/05/20 daily 3:00 to 6:00 pm on Microsoft teams app platform.
23. Dr B K Sonage has Attended five day International FDP on,”Research Challenges and Innovation in Renewable Energy Systems”, from 11-05-2020 to 16-05-2020 conducted by AVIT, Chennai.
24. Dr B K Sonage has Attended a five day FDP on,”PIT Patent workshop” from 29/05/20 to 02/06/20
25. Dr B K Sonage has Completed ATAL FDP on CFD from 2020-9-28 to 2020-10-2 at Govt Engg. College, Avasari, Pune
26. Dr B K Sonage has attended one week online FDP on “Enhancing Research and Consultancy Skills” organized by Department of Mechanical Engineering, Rajarambapu Institute of Technology, Rajaramnagar under RIT-Center for Teaching and Learning (RIT-CTL) from June 22 - 26, 2020.
27. Dr B K Sonage has Completed NPTEL course certification for the course ”NBA accreditation and teaching learning in Engineering”
28. Dr B K Sonage has participated in the one week online FDP on “Enhancing Research and ConsultancySkills” organized by Department of Mechanical Engineering, Rajarambapu Institute of Technology, Rajaramnagar

- under RIT-Center for Teaching and Learning (RIT-CTL) from June 22 - 26, 2020.
29. Dr B K Sonage has participated and successfully completed the online workshop on Universal Human Value on the theme “Inculcating Universal Human Values in Technical Education” during 28 July – 1 August, 2020 as organized by All India Council for Technical Education(AICTE).
 30. Dr B K Sonage has successfully completed the Faculty Development Program on Digitizing Engineering Graphics course under DBATU with supporting products AutoCAD™ & Autodesk® Fusion 360™ organized by Autodesk and N. K. Orchid college of Engineering and Technology, Solapur from 20th -24th July 2020.
 31. Dr B K Sonage has Attended All the webinars on How to select meaningful project by Dassault system,Pune
 32. Dr.N.R.Patil has attended AICTE sponsored FDP on “Universal Human Values” 30 September, 2020 to 04 October, 2020
 33. Dr.N.R.Patil has attended AICTE sponsored FDP on “Design Thinking” 30 September, 2020 to 04 October, 2020
 34. Dr.N.R.Patil has attended TEQIP-III sponsored Faculty Development Programme (FDP) on “Industrial IoTs, Industry 4.0 & Disruptive Technologies” organized by Dr. B. A. Technological University, Lonere (Maharashtra) from May 05-10, 2020.
 35. Dr.N.R.Patil has attended 3 days online workshop on "Education 4.0" organised by IQAC, Atharva College of Engineering held on 28th - 30th April 2020.
 36. Dr.N.R.Patil has attended Faculty Development Program on Digitizing Engineering Graphics course under DBATU with supporting products AutoCAD™ & Autodesk® Fusion 360™ organized by Autodesk and N. K. Orchid college of Engineering and Technology, Solapur from 20th -24th July 2020
 37. Dr.N.R.Patil has attended One Week National Level Workshop on "Digital Transformation & Pedagogies” organized during August 10-14, 2020, by Government College of Engineering, Karad & Walchand College of Engineering, Sangli, Sponsored by AICTE, New Delhi & TEQIP III
 38. Dr.N.R.Patil has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online
 39. Dr.N.R.Patil has attended FDP on "3D Printing & Design" from 2020-9-1 to 2020-9-5 at B.M.S. College of Engineering
 40. Prof. A. S Kashid has attended AICTE sponsored FDP on “Universal Human Values” 30 September, 2020 to 04 October, 2020
 41. Prof. A. S Kashid has attended AICTE sponsored FDP on “Design Thinking” 30 September, 2020 to 04 October, 2020
 42. Prof. A. S Kashid has Attended 12 week NPTEL course on” Materials III” from January 2021 to April 2021.
 43. Dr. M.S.Dafedar has attended one week Short term course on, “Enhancing Research and Consultancy Skills”, Rajarambapu Institute of Technology, Rajaramnagar. 22nd June to 26th June 2020.
 44. Dr. M.S.Dafedar has attended One week Short term course on, “Computational Fluid Dynamics”, NIT Srinagar, 17th to 22nd August 2020.
 45. Dr. M.S.Dafedar has attended Two Week Workshop on, “Advanced CFD for Industrial Applications”, Rajarambapu Institute of Technology, Rajaramnagar, 15th Dec to 25th Dec 2020.
 46. Prof. S S Kale has attended AICTE sponsored FDP “Universal Human Values” on 8 March, 2021 to 12 March, 2021.
 47. Prof. S S Kale has attended “ How to Achieve Excellence in NIRF” on 14th May, 2021. organized by Internal Quality Assurance Cell (IQAC), Sangameshwar College (Autonomous), Solapur,
 48. Prof. S S Kale has attended “Webinar series season 2021” organized by La Fondation Dassault Systems.
 49. Prof. S S Kale under ISHRAE ISHRAE collegiate club organized Expert Lecturer on topic “Job opportunities in Refrigeration and Air Conditioning field” on date 17/10/2020.
 50. Prof. S S Kale under ISHRAE collegiate club organized Expert Lecturer on topic “Exploring Refrigeration & AC and Its Industrial Applications” by Mr. Sandeep Belsare on date 10/10/2020.

51. Prof. Yogesh Patil has completed three days workshop on “Education 4.0” conducted by Atharva College of Engineering, Mumbai on 28th to 30th April 2020.
52. Prof. Yogesh Patil has attended One-week national level workshop on “Digital Transformation and Pedagogies” organized by Govt. college of Engineering Karad and WCE Sangli on 10th to 14th August 2020.
53. Prof. Yogesh Patil has attended One week Faculty Development program on “Digitization of Engineering Graphics Course” organized by NKOCET, DBATU in association with Autodesk, on 20th to 24th July 2020.
54. Prof. Yogesh Patil has attended 12 week NPTEL course “NBA Accreditation in Teaching and Learning in Engineering” on Jan. to April 2020.
55. Prof. Yogesh Patil has completed 4 Week course on “AUTODESK Fusion 360 Integrated CAD/CAM/CAE” organized by Coursera.
56. Prof. Yogesh Patil has attended one week workshop on “E learning program on fuel and Combustion” organized by TATA Steel on 25th April 2020.
57. Prof.C.V.Papade has attended ATAL online FDP “Computational Fluid Dynamics” on 28-9-2020 & 2-10-2020 in at Govt College of Engineering and Research Avasari.
58. Prof.C.V.Papade has attended One week national level workshop “Digital Transformation & Pedagogies” on 10-14th August 2020. Organized by Government College of Engineering, Karad & Walchand College of Engineering, Sangli, Sponsored by AICTE, New Delhi & TEQIP III
59. Prof.C.V.Papade has attended One week online FDP “Advanced Welding Technologies” on 04-08th August 2020. organized by Department of Mechanical Engineering, Faculty of Engineering & Technology, JAIN (Deemed-to-be) University, Bengaluru.
60. Prof.C.V. Papade has attended “A Virtual labs-Effective Tool for Teaching & Learning” on 10-07- 2020. organized in association with AICTE & Virtual Lab, Centre for system design, NITK, Surathkal
61. Prof.C.V.Papade has attended webinar“Additive Manufacturing: Fundamentals and Applications” on 14-07- 2020. organized by Manufacturing Development Programs - ASTM International, NTU Innovation Centre, Singapore and Department of Mechanical Engineering, Francis Xavier Engineering College, Tirunelveli
62. Prof.C.V. Papade has attended webinar “To Guide Students to Select Meaningful Engineering Projects” on 6-08- 2020. organized by La Foundation Dassault Systemes, India
63. Prof.C.V. Papade has attended webinar “Application of PCM nanofluid in Thermal power plants” on 8-07- 2020. organized by Dept. of Mechanical Engg., Francis Xavier Engineering College Tirunelveli.
64. Prof.C.V. Papade has attended webinar “To Guide Students to Select Meaningful Engineering Projects” on 6-08- 2020. organized by La Foundation Dassault Systemes, India
65. Prof.C.V. Papade has attended “Guiding students to select meaning project to be industry ready” on 22-04-2021. organized by La Foundation Dassault Systemes, India.
66. Prof.C.V. Papade has attended “Create Your Future through impactful projects0” on 29-04- 2021. organized by La Foundation Dassault Systemes, India
67. Prof.C.V. Papade has attended “To Guide Students to Select Meaningful Engineering Projects” on 07-05- 2021. organized by La Foundation Dassault Systemes, India
68. Prof.C.V. Papade has attended “Solar Power plant :Future of green and safe energy generation” on 13-05-2021. organized by La Foundation Dassault Systemes, India
69. Prof.C.V. Papade has attended “Application of PCM nanofluid in Thermal power plants” on 8-07- 2020. organized by Dept. of Mechanical Engg., Francis Xavier Engineering College Tirunelveli.
70. Prof.C.V. Papade has attended “Digital Transformation” on 21-05-2021. organized by Bhaskaracharya Pratishthana, Ascent Intellimation Pvt Ltd & NKOCET, Solapur
71. Prof.C.V.Papade has attended webinar“Algae for Food, Energy and Sustainable Environmental Solutions” on 4-07- 2020. organized by Department of Applied Science, PIET, Jaipur
72. Prof.C.V.Papade has attended webinar“Additive Manufacturing: Fundamentals and Applications” on 14-07- 2020. organized by Manufacturing Development Programs - ASTM International, NTU Innovation Centre.
73. Prof. Birangane V. V has attended in One day Workshop “Virtual labs: effective tool for teaching & learning” on

- 10th July 2020 organized by Cummins college of engg. Nagpur.
74. Prof. Birangane V. V has attended in One week Workshop “Digital Transformation & Pedagogies” from 10th August to 14th August 2020 organized by GCOE Karad & WCE Sangli
 75. Prof. Birangane V. V has attended in One week FDP “Energy Engineering (Energy Audit & Sustainability)” from 5th October to 9th October 2020 organized by AICTE(ATAL) & VIT
 76. Prof. Birangane V. V has attended in One week Workshop “Inculcating Universal Human Values in Technical Education” from 14th December to 18th December 2020 organized by AICTE
 77. Prof. D. D. Bhoge Attended 1 week workshop on “Energy Engineering” organized by ATAL from 5/10/2020 to 9/10/2020
 78. Prof. D. D. Bhoge Attended Session on “Launching new product in 100 days from concept to Manufacturing” organized by Dassault Systemes Foundation, India on 18/06/2020
 79. Prof. D. D. Bhoge Attended Conference on “Connect Next” organized by Dassault Systemes Foundation, India on 17/09/2020
 80. Prof. D. D. Bhoge Attended 1 day workshop on “Outcome Based Education Software” organized by vmedulife software services on 9th Jul 2020
 81. Prof S.K.Khillare has organized one day workshop "Virtual Labs: workshop for Faculty & students of Diploma in Mechanical Engineering" on 11th September 2020.
 82. Prof S.K.Khillare has attended online FDP on "Digitizing Engineering Graphics" from 20th to 24th July 2020 organized by Autodesk & NKOCET, Solapur.
 83. Prof S.K.Khillare has attended online FDP on “3D Printing & Design” from 14th to 18th September 2020 conducted by AICTE Training and Learning (ATAL) Academy.
 84. Prof S.K.Khillare has attended online FDP on “Robotics” from 02nd to 06th November 2020 conducted by AICTE Training and Learning (ATAL) Academy.
 85. Prof S.K.Khillare has attended online FDP on “AICTE Incorporating Universal Human Values in Education” from 01st to 05th February 2021 organized by AICTE New Delhi.
 86. Prof S.K.Khillare has attended one day online FDP on “Virtual Laboratory: Importance & Application” on 06th August 2020 organized by IIT Bombay, DBATU, Lonere & MIT, Aurangabad.
 87. Prof S.K.Khillare has attended one day online FDP on “Virtual labs: Effective tools for teaching & learning” on 10th July 2020 organized by AICTE & NITK, Surathkal.
 88. Prof. M. B. Awate Participated the One Week Online Faculty Development Program on “Engineering Education & the Industry: A Post COVID-19 Perspective” held during 1 June, 2020 to 5 June, 2020 organized by RGIT, Mumbai.
 89. Prof. M. B. Awate Attended webinar on “Deployment of Learning Management System for effective learning and assessment” Organized by the Mechanical Engineering Department of Shetty Institute of Technology, Kalaburagi on 06.06.2020
 90. Prof. M. B. Awate Successfully completed a course on “Materials Science: 10 Things Every Engineer Should Know” an online non-credit course authorized by University of California, Davis and offered through Coursera on 5/7/2020.
 91. Prof. M. B. Awate Attended a webinar series on “To Guide Students to Select Meaningful Engineering Projects” organized by La Foundation.
 92. Prof. M. B. Awate Participated in 6 days online Faculty Development program on “Mechatronics Engineering in Industry 4.0 era” organized by Department of Mechatronics Engineering & MHRD’s Institution’s Innovation Council of K. S. Rangasamy College of Technology, from 8/6/2020 to 13/6/2020.
 93. Prof. M. B. Awate Attended 3 Days Virtual Faculty Development Program entitled “Effective Teaching & Learning” on 5th to 7th July, 2020 organized by Bharti Group of Institutions, Pulgaon Chowk, Durg, Chhattisgarh.
 94. Prof. M. B. Awate Organized Fit India Freedom Run on 30/09/2020
 95. Prof. M. B. Awate Participated in Fit India Freedom Run on 30/09/2020 organized by NKOCET, Solapur.
 96. Prof. M. B. Awate Attended AICTE sponsored 2-week Faculty Development program on “Approaches on

- Engineering Pedagogy to improve the quality of Teaching in Engineering Education” from 27th Oct to 7th Nov 2020 organized by Ballarpur Institute of Technology.
97. Prof. M. B. Awate Participated in the 3 Days Virtual Faculty Development Program entitled “Effective Teaching & Learning” on 5th to 7th July, 2020 organized by Bharti Group of Institutions, Pulgaon Chowk, Durg, Chhattisgarh.
 98. Prof. M. B. Awate Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 5-10-2020 to 9-10-2020 at VISHWAKARMA INSTITUTE OF TECHNOLOGY.
 99. Prof. M. B. Awate Participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 8 March, 2021 to 12 March, 2021.
 100. Prof. M. B. Awate Participated in "Two days educational summit on Outcome based education (OBE)& National Assessment & Accreditation Council(NAAC)"on 14th & 15th May 2021 organized by Master soft & MIT Aurangabad.
 101. Prof. M. B. Awate Attended a National Webinar on “How to achieve Excellence in NIRF” organized by IQAC, Sangmeshwar College (Autonomous), Solapur on 14th May 2021.
 102. Prof. A.S. Dhobale attended the one-week faculty development program on “Advances in Manufacturing and Materials” from 20th April 2021 to 24th April 2021 organized by D.Y. Patil Institute of Technology, Kasaba Bawada, Kolhapur in Association with ISTE, New Delhi
 103. Prof. A.S. Dhobale is attending on going FDP by Scientific Jugaad Funda and Maharashtra Chamber of Commerce and Industry.
 104. Prof. A.S. Dhobale and Prof. V.P. Kulkarni conducted a workshop for students of diploma engineering from 6th April to 9th April 2021 on Product Design – Design Thinking and Autodesk Fusion 360. In this workshop 50 students from various Polytechnics participated.
 105. Prof. B. R. Birajdar Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 5-10-2020 to 9-10-2020 at Vishwakarma Institute Of Technology.
 106. Prof. B. R. Birajdar Participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 8 March, 2021 to 12 March, 2021.
 107. Prof. B. R. Birajdar Attended a webinar series on “To Guide Students to Select Meaningful Engineering Projects” organized by La Foundation.
 108. Prof. B. R. Birajdar Attended a webinar series on “Virtual Labs: - Effective tool for Teaching and Learning” organized Cummins college Nagpur in association with AICTE & NITK Suratkal held on 10th July 2020
 109. Prof. B. R. Birajdar Attended Connect Next Conference presented by, La Fondation Dassault Systems on 17th September 2020.
 110. Prof. B. R. Birajdar Attended the Webinar on “Job Opportunities for Post Graduates in Thermal Engineering” organized by Department of Mechanical Engineering, Rajarambapu Institute of Technology, Rajaramnagar on 28th June, 2020.
 111. Prof. B. R. Birajdar Attended 3 Days Virtual Faculty Development Program entitled “Effective Teaching & Learning” on 5th to 7th July, 2020 organized by Bharti Group of Institutions, Pulgaon Chowk, Durg, Chhattisgarh.
 112. Prof. B. R. Birajdar Participated in Panel discussion Session on Topic “Autonomy” organized by Master Soft ERP solution Pvt Ltd. On 3rd October 2020
 113. Prof. B. R. Birajdar Successfully completed a course on “Materials Science: 10 Things Every Engineer Should Know” an online non-credit course authorized by University of California, Davis and offered through Coursera on 05/10/2020.
 114. Prof. B. R. Birajdar Attended One Week National Level Workshop on "Digital Transformation & Pedagogies”organized during August 10-14, 2020, by Government College of Engineering, Karad & Walchand College of Engineering, Sangli, Sponsored by AICTE, New Delhi & TEQIP III
 115. Prof. B. R. Birajdar Participated and successfully completed the TEQIP III sponsored National Level Programme on ‘Reforms in Technical Education:

- Perspective of National Education Policy’ jointly organised by Sardar Patel College of Engineering, Mumbai and REC, Rewa in collaboration with IIIE and SAEINDIA Western Section from 4th March 2021 to 6th March 2021
116. Prof. B. R. Birajdar Attended AICTE sponsored 2-week Faculty Development program on “Approaches on Engineering Pedagogy to improve the quality of Teaching in Engineering Education” from 27th Oct to 7th Nov 2020 organized by Ballarpur Institute of Technology.
 117. Prof. B. R. Birajdar One week faculty Development Programme (FDP) National Webinar on “Advanced Technologies in Materials & Manufacturing Engineering” 6th to 11th July 2020 organized by Mechanical Engineering Department of Dayanand Sagar University School of Engineering Bengaluru.
 118. Prof. B. R. Birajdar Participated in International webinar on “Professionalism in Technical Education” organized by Department of Mechanical Engineering, Sanjay Bhokare Group of Institutes, Miraj held on 7th November 2020
 119. Prof. B. R. Birajdar Participated in Fit India Freedom Run on 30/09/2020 organized by NKOCET, Solapur.
 120. Prof. B. R. Birajdar Attended a National Webinar on “How to achieve Excellence in NIRF ” organized by IQAC, Sangameshwar college (Autonomous) Solapur on 14th May 2021.
 121. Prof. A.S. Dhobale attended the one-week faculty development program on “Advances in Manufacturing and Materials” from 20th April 2021 to 24th April 2021 organized by D.Y. Patil Institute of Technology, Kasaba Bawada, Kolhapur in Association with ISTE, New Delhi
 122. Prof. A.S. Dhobale is attending on going FDP by Scientific Jugaad Funda and Maharashtra Chamber of Commerce and Industry.
 123. Prof. A.S. Dhobale and Prof. V.P. Kulkarni conducted a workshop for students of diploma engineering from 6th April to 9th April 2021 on Product Design – Design Thinking and Autodesk Fusion 360. In this workshop 50 students from various Polytechnics participated.
 124. Prof S.V.Kumbar has attended online FDP on “Operation Management” from 12th to 16th October 2020 conducted by AICTE Training And Learning (ATAL) Academy.
 125. Prof S.V.Kumbar has attended online FDP on “Management Information System ” from 2nd to 6th November 2020 conducted by AICTE Training And Learning (ATAL) Academy.
 126. Prof S.V.Kumbar has attended online orientation /refresher programme on “Active Teaching Learning Process ” from 22nd to 27th March 2021 conducted by MGI’s College of Engineering & Technology Shegaon Maharashtra
 127. Prof. V.P. Kulkarni conducted a workshop for students of diploma engineering from 6th April to 9th April 2021 on Product Design – Design Thinking and Autodesk Fusion 360. In this workshop 50 students from various Polytechnics participated.
 128. Prof.Vaibhav Kulkarni attended FDP at ISDI Mumbai on Design Thinking on 21 February 2020
 129. Prof.Vaibhav Kulkarni attended Management Development Program on “Establishing Innovation and Start up Ecosystem in Technical Education from 28 February 2020 to 07 March 2020 at Indian Institute of Management,Lucknow
 130. Prof. Prasad N. Kulkarni has attended AICTE sponsored FDP on “Active Teaching Learning” organized by MGICET, Solapur from 22.03.2021 to 27.03.2021.
 131. Prof. Prasad N. Kulkarni has attended “ How to Achieve Excellence in NIRF” on 14 th May, 2021. organized by Internal Quality Assurance Cell (IQAC), Sangameshwar College (Autonomous), Solapur,
 132. Prof. Prasad N. Kulkarni has attended AICTE sponsored ATAL FDP on “Electric Vehicle” from 30.11.2020 to 04.12.2020 organized by IFTE College of Engineering
 133. Prof. Prasad N. Kulkarni has attended “Webinar series season 2021” organized by La Fondation Dassault Systems.
 134. Prof. Prasad N. Kulkarni has attended ANSYS Simulation World – A virtual Conference from 20.04.2021 to 22.04.2021.

135. Prof.Kyatam.R.J has attended One week FDP on “BOSS Linux Training” on 15th to 22nd April 2020 organized by Spoken Tutorial Project, IIT Bombay
136. Prof.Kyatam.R.J has attended Five day FDP on “Design and development of Electric vehicles and Hybrid Electric vehicles” on 12th to 16th May 2020 organised by SAEINDIA western section and NKOCET
137. Prof.Kyatam.R.J has attended Two days workshop on “Vehicle dynamics” on 6th to 7th March 2020 organised by NKOCET
138. Prof.Kyatam.R.J has attended Short term course on “Industry 4.0” on 25th April 2020 organised by TATA Steel

8. FACULTY MEMBERS WHO WORKED AS RESOURCE PERSON AT OTHER INSTITUTIONS

1. Dr.Shriniwas S Metan delivered a Session on “Career Opportunities in Mechatronics, Robotics and Aerospace.” for the Aspiring Engineering students from 12th Standard on 24th December also online on 27th December 2020 organized by Dr. Metan Foundation Solapur.
2. Dr B K Sonage delivered expert talk on ”COVID19- Socioeconomic impact” at ‘Performance Enhancement workshop” as a Resource Person, organized by NKOCET, Solapur on 09/05/20
3. Dr. N.R. Patil organized series of expert session of Dr.B.K.Sonage & Prof.C.V.Papade on “Industrial Hydraulic” for third year diploma students of Govt Polytechnic Solapur on 29/05/2021, 30/04/2021 & 01/05/2021.
4. Dr.N.R.Patil delivered expert session on “Electrical and electronic systems ” for third year diploma students of Govt Polytechnic Solapur on 10/05/2021.
5. Dr.N.R.Patil delivered expert session on “Electrical Battery” for third year diploma students of Govt Polytechnic Solapur on 13/05/2021.
6. Dr.N.R.Patil delivered expert session on “Types of Cam ” for second year diploma students of Govt Polytechnic Solapur on 17/05/2021,
7. Dr.N.R.Patil has delivered expert session on “Electrical Battery ” for third year diploma students of SVIT, Solapur on 18/05/2021

8. Dr.N.R.Patil has delivered expert session on “Types of Followers ” for second year diploma students of Govt Polytechnic Solapur on 18/05/2021,
9. Dr.N.R.Patil has delivered expert session on “Displacement diagram and Cam profile ” for second year diploma students of Govt Polytechnic Solapur on 19/05/2021,
10. Dr.N.R.Patil has delivered expert session on “Industrial brakes” for second year diploma students of Govt Polytechnic Solapur on 24/05/2021.
11. Dr.N.R.Patil has delivered expert session on “Automotive Clutches” for second year diploma students of Govt Polytechnic Solapur on 25/05/2021,
12. Dr.N.R.Patil has delivered expert session on “Virtual Lab of Theory of Machines” for second year diploma students of Govt Polytechnic Solapur on 26/05/2021.
13. Prof. A.S.Kashid Delivered an expert session on “Belt chains and gears” on 29/05/2021 at Govt. Poly.Solapur.
14. Prof. A.S.Kashid Delivered an expert session on “Clutches and Brakes” on 23/05/2021 at Govt. Poly.Solapur.
15. Prof. A.S.Kashid Delivered an expert session on “Velocity and Acceleration in mechanisms” on 17/05/2021 at SVIT Poly.Solapur.
16. Prof. S S kale has conducted session on V lab for “Heat Transfer” subject for students of SESP, GP Solapur, GP Osmanabad.
17. Prof. S S kale has conducted session on V lab for “Fluid Mechanics and Fluid Machinery” subject for students of SES Polytechnic on date 13th May, 2021.
18. Prof. S S kale has conducted session on Pneumatics for Students of SVIT college on 30 May 2021.
19. Prof.C.V. Papade has conducted the Expert Session on “Air Conditioning” in TE Students on 21/01/2021 at Maulana Azad Polytechnic, Solapur
20. Prof.C.V. Papade has conducted the Expert Session on “Various Accessories Required in A given Hydraulic & Pneumatic system” in TE Students on 30/04/2021 at Govt., Polytechnic, Solapur
21. Prof.C.V. Papade has conducted the Expert Session on “Various Accessories Required in A given Fluid Power System” in TE Students on 01/05/2021 at Govt., Polytechnic, Solapur

22. Prof.C.V. Papade has conducted the Expert Session on “Various Accessories Required in A given Pneumatic & Hydraulic System” in TE Students on 11/05/2021 at Maulana Azad Polytechnic, Solapur
23. Prof.C.V. Papade has conducted the Session on “Vapour Compression Refrigeration System by Using Virtual Lab” in TE Students on 11/05/2021 at Maulana Azad Polytechnic, Solapur
24. Prof.C.V. Papade has conducted the Session on “Estimate Darcys Friction Factor ‘F’ In Pipes by Using Virtual Lab” in SE Students on 13/05/2021 at SES Polytechnic, Solapur
25. Prof.C.V. Papade has conducted the Expert Session on “Centrifugal Pumps” in SE Students on 18/05/2021 at SVIT,Polytechnic, Solapur.
26. Prof. A.S. Dhobale conducted a session for experiments in Mechanical Measurements for students of SES Polytechnic, Solapur on 17th May 2021 where 40 students attended the session.
27. Prof. D. D. Bhoge has conducted the V-LabSession on “Refrigeration” for TE Student of GP Osmanabad on 16/05/2021
28. Prof. D. D. Bhoge has conducted the Session on “How to prepare for GATE 2021” for TE and BE Student of on 08/01/2021
29. Prof. D. D. Bhoge has conducted the Session on “Exergy and Exergy Analysis of Thermal Power Plant” for Industry Persons on 06/10/2020
30. Prof. A.S. Dhobale and Prof. V.P. Kulkarni conducted a workshop for students of diploma engineering from 6th April to 9th April 2021 on Product Design – Design Thinking and Autodesk Fusion 360. In this workshop 50 students from various Polytechnics participated.
31. Prof.Vaibhav Kulkarni attended FDP at ISDI Mumbai on Design Thinking on 21 February 2020
32. Prof.Vaibhav Kulkarni attended Management Development Program on “Establishing Innovation and Start up Ecosystem in Technical Education from 28 February 2020 to 07 March 2020 at Indian Institute of Management,Lucknow.

9. CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS ACTIVITIES:

Following faculty members have extended Contribution towards department and college activities as additional responsibility.

Sr. No	Name of Faculty Members	Additional Responsibility
1	Dr. S. S. Metan	Study Abroad Cell, Foundation Day, NBA Coordinator, Foreign Language Course.
2	Dr. B.K. Sonage	NBA & NAAC/FDP/Research Grants/Consultancy Work
3	Prof A S Kashid	HR/RO/ Term work Coordinator/, NAAC V Institute Level Coordinator, NBA Institute Level Coordinator (Student Support Systems).
4	Prof. S. S. Kale	Boys Hostel/Academic Monitoring Member / ME Coordinator/ASHRAE collegiate club Faculty Advisor/ ME admission Coordinator/Member of Anti ragging committee.
5	Prof. N. R. Patil	DSE admission officer NIRF coordinator NBA coordinator Proctor coordinator DSE Govt Polytechnic single point contact coordinator
6	Prof. Y. B. Patil	Fire Fighting/Direct Second Year Admission Coordinator /MESA/
7	Prof.C.V. Papade	R&D/Project Coordinator/ Attendance Monitor/ Time Table/
8	Prof. V.V. Birangane	Aptitude Test/Orchitect Dept./Faculty & Staff Meeting/NPTEL
9	Prof. D. D. Bhoge	SAE/ARAI/ICE Innovation Lab/ Carrier Counseling Cell Coordinator/ SAEINDIA Student Collegiate Club

10	Prof. S. K. Khillare	Ready Engineer Coordinator /ERP/Archives/Website Coordinator
11	Prof. M. B. Awate	Sports/Stationary Incharge/Test Coordinator/Discipline/ CC of TE A/ DSE admission committee
12	Prof. B. R. Birajdar	Magazine/News, Publicity/Parent Meet Coordinator/Suggestion Box Incharge
13	Prof. A. B. Magar	Library/ Expert Lecture/NBA/ Elective
14	Prof. A. S. Dhobale	PMK/Training & Placement/Spoken Tutorial/3DPLM/ DAB Co-Coordinator/One of CII Departmental Coordinators
15	Prof. S. V. Kumbar	CII Coordinator /Alumni Coordinator
16	Prof. A. H. Kamble	NSS/Self Learning/Industry Visit/Seminar/Conference/W/S Attendance File
17	Prof. V. P. Kulkarni	Laboratory Incharge / Result Analysis
18	Prof. M. S. Dafedar	Workshop Incharge /Student Competition
19	Prof. P.N. Kulkarni	POE/ Students Competitions/ RoboClub Department Coordinator
20	Prof. R Y Kyatam	Department Filing System

10. AWARDS WON AND SPECIAL ACHIEVEMENT BY THE STUDENTS AND FACULTY MEMBERS:

1. **AICTE- CII Best Industry Institute Award:** In AICTE - CII industry linked institute our institute is awarded **Platinum Band** again this year and consecutively for last three years. Mechanical Engineering Department was amongst the top **30 shortlisted** institutes for the final round, which was

conducted through Skype on 30/11/2020. Two jury members Dr Yangaswami Sundra Rajan and Dr.K.K. Aggarwal conducted the interview. We have been ranked in **Top Four Mechanical Departments amongst 710 participants** from all over India.

2. Team ARKAYANAM received **“The Best Jury Award”** in National level AKRUTI 2020 Competition organised by Dassault Systemes India. Amongst 134 teams participated. Mr. Jayesh Pawar & Mr. Manish Mittha represented their team. Project Guide Dr. Shriniwas S Metan for this vehicle development Two Seater Solar Vehicle.
3. “Two Seater car a Dream to Reality” has been amongst the **Top Three Projects** shortlisted in Connect Next International Virtual Conference by La Fondation Dassault Systemes. Total 50 top Projects were shortlisted in two rounds from all over India. The Jury members have shortlisted top 3 Projects to be displayed in the Plenary Session on 17th September 2020 on Global Platform. Mr Jayesh Pawar, Mr Manish Mittha, Miss Snehal Halole and Mr Yassen Khan Dakhani are the team members guided by Dr Shriniwas S Metan.
4. Dr.Shriniwas S Metan was a Keynote Speaker and Resource Person for 5 Days Faculty Development Program on “Digitising Engineering Graphics” from 20th July to 24th July 2020 organised by Dr Babasaheb Ambedkar Technical University in association with Autodesk.
5. Dr.Shriniwas S Metan was invited as a Keynote Speaker and panellist for AutoDesk University Conclave on Shaping the future education together on 20th November 2020.
6. Dr. Shriniwas S Metan was invited as a Keynote Speaker for the 5 Days FDP on “Mechatronics and Industrial Automation”, organised by Sharad Institute of Technology, Ichalkaranji. From 04th to 08th January 2021.
7. Dr.Shriniwas S Metan is nominated as a Committee Member of the Education and Students Engagement National Committee of “ASPIRE” (Automotive Solutions Portal for Industry, Research & Education) under Department of Heavy Industry (DHI), Govt. of India.

8. Dr.Shriniwas S Metan is re-nominated as a National Committee Member of the “Engineering Education Board” of SAE India.
9. Dr.Shriniwas S Metan received “Best Faculty Member Award of NK Orchid college of Engg. and Tech., Solapur for academic year 2019-20”, on 5th September, 2020.
10. Dr N R Patil received “Best Faculty Member Award of NK Orchid college of Engg. and Tech., Solapur for academic year 2019-20”, on 5th September, 2020.
11. Prof. C.V. Papade is appointed as Technical Consultant for Yashorath Electronics Systems Ltd Pune for A.Y. 2020-21.
12. Prof. V.P. Kulkarni and Prof. A.S. Dhobale were invited as Jury members by Autodesk for Design competitions of Aurangabad and Gandhinagar region on 17 July 2020 and 25th March 2021.
13. Prof. Vaibhav Kulkarni Nominated as Innovation Ambassador by MHRD MIC Institute Innovation Council for Year 2020-2021.
14. Mr Jayesh Pawar (BE Mechanical) has received **Section Award from SAE India** and also received scholarship of Rs. 4000/- for outstanding achievement as an Engineering student in the mobility field.

11. NEW INITIATIVES:

1. Mechanical Engineering Department has inaugurated ISHRAE collegiate club with 27 student members and 2 faculty members. Prof. S S Kale is working as Faculty advisor.
2. Mechanical Engineering Department has conducted on line Alumni Meet on 05 July 2020. Total 57 Alumni were present. Dr Shriniwas S Metan briefed about the achievements of the Department and Prof A S Dhobale and Prof.P N Kulkarni Coordinated the Alumni Meet.
3. Mechanical Engineering Department students has successfully completed the “**Three Months Remote Internship Program**” from June to August 2020 by La Fondation Dassault Systems. 12 Students have successfully designed and developed 3 D Models of SCISSOR LIFT and MECHANICAL CLAMP on 3D Experience platform under the guidance of Dr.Shriniwas S Metan and Prof.P.N.Kulkarni.

4. Mechanical Engineering Department students have successfully completed the “**Three Months Remote Internship Program**” from November 2020 to January 2021 by La Fondation Dassault Systems. 18 Students have successfully designed and developed E Vehicle on 3D Experience platform under the guidance of Dr.Shriniwas S Metan, Prof.P.N.Kulkarni., Prof S S Kale Prof M B Awate and Prof.B R Birajdar.
5. Mechanical Engineering Department students have successfully completed the “**Two and Half Months Remote International Internship Program**” from 15th June to 31st August 2020 organized by La Fondation Dassault Systems. 06 Students have successfully designed and developed E Vehicle using 3D Experience Platform. It was an international collaboration work, where students and faculty members from France, USA and India have developed this Vehicle on Virtual Platform. From India NK Orchid College of Engineering and Technology have represented this internship. For this internship Dr.Shriniwas S Metan and Prof.P.N.Kulkarni.worked as a Guide.
6. NK Orchid College of Engineering and Technology Solapur and Precision Camshaft Ltd, Solapur are developing Two Seater Solar Car in Precision Camshaft from 1st February 2021 till date. 18 Final Year students from Mechanical, Electrical and Electronics are developing this vehicle in “Vehicle Development Center” in Precision Camshaft Ltd under 6 Months Internship. This is first of its kind that any Engineering College is developing vehicle in Industry Premises.
7. Mechanical Engineering Department have conducted on line Alumni Meet on 05 July 2020. Total 57 Alumni were present. Dr Shriniwas S Metan briefed about the achievements of the Department and Prof A S Dhobale and Prof.P N Kulkarni Coordinated the Alumni Meet

12. PAPER PRESENTATION & PRIZES WON BY THE STUDENTS IN VARIOUS COMPETITIONS

Sr. No	Name of Student & Class	Title of workshop/ seminar/ conference	Organized by
1	Namratra Kadadas	Completed Webinar series on Product Design	Autodesk &

	(TEB - 03)	Engineering and Autodesk Fusion 360 on 6 th -13 th May & 20 th May 2020	NKOCE T, Solapur
2	Namratra Kadadas (TEB - 03)	Completed Coursera course on “AI for Everyone” on 20 June 2020	Coursera
3	Namratra Kadadas (TEB - 03)	Completed Coursera course on “Initiating and Planning Projects” on 21 June 2020	Coursera
4	Namratra Kadadas (TEB - 03)	Completed Webinar on “Transforming Infrastructure Industry-Opportunity for students of all streams” 4 June 2020	La Fondation Dassault System
5	Pradnya Bagul (SEA - 01)	Completed course on “Career Edge – Knockdown the lockdown” from 21 April to 07 June 2020	TCS iON
6	Pradnya Bagul (SEA - 01)	Attended ConnectNext Conference on 17 Sept 2020	La Fondation Dassault System
7	Imran Shaikh (SEA - 06)	Completed course on “Career Edge – Knockdown the lockdown” from 01 May to 08 June 2020	TCS iON
8	Aaquibawais Shaikh (TEB - 13)	Successfully completed the training “On corporate readiness programme” January 2021	Hope Foundation
9	Manoj Jujgar (BEB - 47)	Completed course on “Human Resource Internship Program” on 04 January 2021	Fillip Technology
10	Manoj Jujgar (BEB - 47)	Successfully participated in “Formula Bharat 2021, Combustion, Virtual” 23 Jan to 21 Feb 2021	Formula Bharat
11	Manoj Jujgar (BEB - 47)	Completed Coursera course on “Preparing to Manage	Coursera

		Human Resources” on 22 June 2020	
12	Vinayak Konda (TEB - 46)	Completed Coursera course on “Six Sigma” on 22 June 2020	Coursera
13	Ganesh Dandekar Vishal Chavan Akshay Bhaware Ratikant Sutar	Participated the UG project ”Design and development of gas cutting machine” in Project Competition for A.Y. 2020-2021.	Dassault Systems pvt.ltd
14	Parth Lokhande	First Prize in Tussle of thoughts at “Solapur city's first 2 Seater Solar Car” "Wisotech 2021" organised by	VVP institute, Solapur
15	Avinash Vhanmane (M.Tech Student)	Title-“ Solar Dehydration System with Energy Storing Material” In the Top 100 shortlisted Projects in the Energy Storage Technology	KPIT Sparkle
16	1. Pranav Alat 2. Basavraj Bukkanure 3. Divyesh Jagdale	“Design and development of vegetable sanitizing device for home Using UV light.” shortlisted	AICTE Chatra Vishwakarma Award 2020
17	Mr Vishwesh Patil	Team Designovation shortlisted for Final Physical Contest of Toycathon	Ministry of Innovation Cell India and AICTE
18	Aniket Shirke (TEB - 60)	Successfully completed the training “On corporate readiness programme” January 2021	Hope Foundation
19	Khalilullah Mushtaque Ah Inamdar (BEB -	Completed Coursera course on “Introduction to CAD, Cam and Practical CNC	Coursera

	54)	Machining” on 26 June 2020				8 June to 12 June 2020	
20	Prasad Fulari (BEA - 36)	Received Certification for “Additive Manufacturing at the level Associate” by Dassault Systemes on 28 Sept 2020	Dassault Systemes		Onkar Shejal (BEA - 23)	Completed Coursera course on “Introduction to HTML” on 24 June 2020	Coursera
21	Prasad Fulari (BEA - 36)	Successfully Completed course on “Fusion 360: Fundamental Concepts” on 10 Oct 2020	Autodesk Design Academy		Onkar Shejal (BEA - 23)	Completed Coursera course on “Machine Design Part I” on 7 June 2020	Coursera
22	Prasad Fulari (BEA - 36)	Successfully Completed course on “Fusion 360: Introduction to CAD, CAM, and CAE” on 10 Oct 2020	Autodesk Design Academy		Prathamesh Thakre (SEA - 12)	Completed Coursera course on “Introduction to Mechanical Engineering Design and Manufacturing with Fusion 360” on 2 June 2020	Coursera
23	Prasad Fulari (BEA - 36)	Successfully Completed course on “Fusion 360 for Engineers” on 10 Oct 2020	Autodesk Design Academy	24	Prathamesh Thakre (SEA - 12)	Completed Coursera course on “Modeling and Design for mechanical Engineers with Fusion 360 ” on 16 June 2020	Coursera
	Prasad Fulari (BEA - 36)	Successfully Completed course on “Introduction to 3D Modelling” on 10 Oct 2020	Autodesk Design Academy	25	Prathamesh Thakre (SEA - 12)	Completed Coursera course on “Simulation Analysis for mechanical Engineers with Fusion 360 ” on 22 June 2020	Coursera
	Prasad Fulari (BEA - 36)	Successfully Completed course on “Introduction to CAD: Learn Fusion 360 in 90 minutes” on 10 Oct 2020	Autodesk Design Academy	26	Prathamesh Thakre (SEA - 12)	Completed Coursera course on “Autodesk Certified Professional: AutoCAD for Design and Drafting Exam Prep” on 25 June 2020	Coursera
	Prasad Fulari (BEA - 36)	Successfully completed Two Months “Remote Internship Program”	La Fondation Dassault Systemes	27	Prathamesh Thakre (SEA - 12)	Successfully completed one week online internship on " Product Design - Design Thinking, Innovation/ Autodesk Fusion 360 from 21 July to 25 July 2020	Autodesk & NKOCET, Solapur
	Rameshwar Udgiri (TEB - 10)	Successfully participated in “Formula Bharat 2021, Combustion, Virtual” 23 Jan to 21 Feb 2021	Formula Bharat	28	Shivam Khandekar (SEA - 07)	Successfully completed one week online internship on " Product Design - Design Thinking, Innovation/ Autodesk Fusion 360 from 21 July to 25 July 2020	Autodesk & NKOCET, Solapur
	Onkar Shejal (BEA - 23)	Successfully completed one week online internship on " Product Design - Design Thinking, Innovation/ Autodesk Fusion 360 from	Autodesk & NKOCET, Solapur	29	Pallavi Gavali	Successfully completed one	Autodesk

	(SEA - 02)	week online internship on " & Product Design - Design Thinking, Innovation/ Autodesk Fusion 360 from 21 July to 25 July 2020	NKOCET, Solapur
30	Chaitanya Patil (SEA - 15)	Successfully Completed AutoCad training	Disha Computer Institute
31	Chaitanya Salunke (SEA - 16)	Completed Coursera course on "Autodesk Fusion 360 Integrated CAD/CAM/CAE" on 25 Aug 2020	Coursera
32	Mudassar Shaikh (BEA - 51)	Completed Coursera course on "Firm Level Economics: Consumer and Producer Behavior" on 11 Sept 2020	Coursera
33	Mudassar Shaikh (BEA - 51)	Completed Coursera course on "Autodesk Fusion 360 Integrated CAD/CAM/CAE" on 28 Feb 2020	Coursera
34	Jakirhusen Mattu Nadaf (TEB - 11)	Completed Coursera course on "Modeling and Design for mechanical Engineers with Fusion 360 " on 20 June 2020	Coursera

13. PARTICIPATION IN NATIONAL LEVEL TECHNICAL COMPETITIONS:

1. Team **ASHAWMEDH** participated in Online Supra SAE India Student Formula Race Car Competitions. Total 20 students & 2 Faculty members Prof.P.N.Kulkarni and Dr. Shriniwas S Metan were mentors and accompanied the team.
2. Team **ARKAYANAM** secured 45th Rank at Supra SAE India Student Formula Race Car Competitions held at Greater Noida, Uttar Pradesh from 15th to 20th July 2019. Total 24 students & 2 Faculty members

Prof.P.N.Kulkarni and Dr. Shriniwas S Metan were mentors and accompanied the team.

3. Mr. Rakesh Pardeshi and Mr. Onkar Jalkotkar won 3rd Prize in Autodesk Design Competition for Solapur region under the guidance of Prof. A.S. Dhobale on 4th August 2020.
4. Siddheshwar Madole, Vishvesh Patil & Rushikesh Lagli along with Mentors Prof.V.P. Kulkarni & Dr Sandip Bhagwat won Prestigious Social Impact Challenge as National Winner for their Project AASAN.
5. Siddheshwar Madole, Vishvesh Patil & Rushikesh Lagli along with Mentors Prof.V.P.Kulkarni & Dr Sandip Bhagwat 4 Projects were shortlisted for TOYCATHON.
6. "Two Seater Solar Car" project under the guidance of Dr.S.S.Metan; "Solar Powered Bicycle" project under the guidance of Prof.S.S.Kale ; "Design and Development of Bionic Robotic Insect for Surveillance" project under the guidance of Prof. A B Magar ; "Design and Development of Solar Dryer" project under the guidance of Prof. C.V. Papade; "DESIGN AND FABRICATION OF ENGINE OPERATED SEED SOWING MACHINE" project under the guidance of Prof. B.R.Birajdar was shortlisted for the ConnectNext Virtual Conference by La Fondation Dassault Systemes on 17th and 18th September 2020.
7. Mr Avinash Vhanmane participated in National Level KPIT Sparkle Competition. His Project "Solar Dehydration System with Energy storage technology" has shortlisted amongst the top 100 Projects. Prof.C.V.Papade was the Project Guide.
8. Mr Ananur Chiranjivi & Gurram Akash participated in the Project of the Year National Competition by La Fondation Dassault Systemes, India. Their Project "Design & Development of Solar dryer" was shortlisted amongst the top 100 Projects. Prof.C.V.Papade was the Project Guide.

14. MECHANICAL ENGINEERING STUDENTS ASSOCIATION (MESA):

- A) Following students were elected as the office bearers of MESA for the academic year 2020-21.

Post	Name of Student
President	Mustakeem Iliyas Siddhiki (BE B)
Secretary	Supriya Ambadas Gavali (BE A)
Vice-President	Ritesh Vallal (BE B)
Joint- Secretary	Shweta Shinde (BE A)
Treasurer	Pagdiwale Mudassir Kaif (TE A)
MESA Cultural Coordinator	Sanskriti Mohan Sarwade (TE A) Shaikh Abdulla (TE A)
MESA Technical Coordinator	Pratiksha Iresh Mabrukhane (TE B)
MESA Anchoring Coordinator	Reyaan Riyaz Shaikh (TE A)
MESA Sports Coordinator	Kamran Shaikh (TE A)
Food Coordinator	Yash Manoj Godbole (TE A)
Discipline Coordinator	Swapnil Bharale (TE B)

B) Expert Lectures Arranged by MESA

Sr. No.	Event	Date
1	Formation of MESA Team	1st week August
2	Inauguration of MESA by Dr. Vyankatesh Metan, (M.S.Orthopedic), Solapur. Topic:- Egypt-Ancient History & Mystery	23/08/2020
3	Celebration of Teacher's day by "Mr. Shivnath Bhujbal, Primary Teacher, Munjewadi, Ahmednagar".	05/09/2020
4	Celebration of Engineer's day by Cmde C D Balaji (Distinguished Scientist, Chairman K-Tech	15/09/2020

	Center of Excellence & Defence, Former Director Aeronautical Development Agency) Topic:- "Introduction and challenges in Aero Domain".	
5	Technical Session by Mr.Navanath Junghare (Senior Digital Modeler, Ford Motors, Chennai, India.) Topic:- Corporate life & career in automotive design	07/11/2020
6	Technical Session by Mr. Ramesh Kotanur (Senior Manager, Mahindra and Mahindra, Pune) Topic:- Total Quality Management (5S, 6-Sigma, FMEA, JIT	03/12/2020
SEM-II		
7	A Session On Identifying IP Component At Early Stage of Innovation By Dr. Mrudula Bele On 30 Jan. 2021.	30/01/2021
8	Industry Expert Session By Mr. Sandeep Raut, Group Leader-technical Support, PTC Software India Pvt. Ltd Topic-"Mechanical Engineers_ Being Future Ready"	30/04/2021
9	A Motivational Session By Prof. A.D.Joshi, founder ADJ Infotech, On the topic of My Goal My Way	25/03/2021
10	E-Send-off to Final Year Students Batch 2019-20	01/07/2021

C) Other Activities Conducted By MESA:

Sr. No.	Event	Date
1	Inauguration of MESA	27/09/2019
2	Celebration of Teacher's day	05/09/2019
3	Fresher's Party for the new comers	16/10/2019
4	Celebration of Engineer's day	15/09/2019
4	Go Green session by Mr. Parag Bhayani in ARC Hall to create awareness and enthusiasm among students to choose Bicycle over fuel based transportation.	05/02/2020
5	Saksham (Savrakshan) – 2020, which is coordinated by Petroleum Conservation Research Association (PCRA) with active involvement of the Oil & Gas PSUs i.e. IOC, BPC, HPC & GAIL. Mr. Santoshkumar Nivendkar, General Manager (Retail) (State Level Coordinator Maharashtra & Goa, Bharat Petroleum) conducted the session.	04/02/2020
6	150 th Birth Anniversary of Mahatma Gandhiji.	01/10/2019

D) Expert Lectures Arranged by Department

Following lectures were conducted for the students.

Sr. No.	Name Expert	Topic and Date
SE		
1	Mr.Rajech Mandlik, Managing Director Setco Spindles Pvt Ltd, Pune	“Current Trends in Spindle Manufacturing” on 26 th November 2020
TE		
2	Mr.Vijay Gunge,CEO, Trend Innovations ,Pune	Recent Trends in Boiler & condensers & its performance improvement Methods 11/12/2020
3	Mr. Manish Shukla, Thermax Ltd	Steam Turbines 23rd NOV 2020

4	Mr. Manish Shukla, Thermax Ltd	Heat Transfer in Boiler and Condenser 17th NOV 2020
5	Mr. Vijay Gunge, Train innovation Pune, CEO	18h NOV 2020
BE		
6	Mr Shankar Kulkarni, Ex Thermax Pune	“Wind Turbine Connected to the Electrical Network and Wind Turbines with Asynchronous Electric Generators” 6,9,11,18,20,23 Nov 2020
7	Mr Zuber Shaikh, MSEB	Mechatronics applications of industrial Motors. 22nd Nov 2020
8	Mr. Tukaram Varak, CAD/CAM Guru	Finite Element Analysis using Ansys 25th Nov 2020
9	Mr Sanjay Mane Manager Cummins India Ltd	Project Management an Overview on 21 st February 2021.

E) Industrial Visits: Prof. A.H.Kambale/ Prof. S.K.Khilare

Sr. No.	Class	Industrial visit	Accompanied by
1	2 Seater Solar Car Team	Pecision Camshaft Chincholi MIDC, Solapur. (13/02/2021)	Dr.Shriniwas S Metan, Prof.A.S.Dhobale, Prof. B R Birajdar and Prof. P N Kulkarni

15. TRAINING & PLACEMENT:

Placement is one of the very important activities of the department. The placement season of department started with preparation for placement drives of MNCs like Tata Consultancy Services, Infosys with rigorous efforts on aptitude and programming. In spite of COVID restrictions all our training activities were conducted in online mode in excellent way that includes the Pre-Placement workshop of

one and half month and a test series of around 125 tests. Department continues its tradition of excellent placements in this academic year too in IT MNCs like TCS and Infosys and also in core companies like Premere Seals India Pvt. Ltd. Pune. Our students got placed in reputed industries like Tata Consultancy Services, Infosys, QSpiderss, Pinclick, Electral Devices. Campus placement drives of many companies from different sectors were organized for students in which they proved their strength and bagged total **40 offers** till 25th May 2021. The placement drives are still going on for these students.

For every drive company specific training is arranged in which students are provided with the exposure to relevant subjects to revise the concepts and increase the chances of selection. Below table shows placements till date. Many companies are still in pipeline and they will be conducting their placement drives in coming days.

Sr. No.	Company	No. of students	CTC (LPA)
1	Infosys	2	3.5
2	TCS	12	3.36
3	Premier Seals Pvt Ltd. Pune	6	1.8
4	Pinclick Property Management Pvt. Ltd. Bangalore	10	4.8
5	Qspiders, Pune	8	-
6	Electral Devices, Pune	2	1.32
	Total	40	

16. SOCIAL ACTIVITIES BY THE STUDENT:

17.PG ACTIVITY: Prof.S.S.Kale

- Mr. Saiphan Liyakat Jamadar submitted dissertation on “Performance Analysis and Exhaust Evaluation of CI Engine using Waste Cooking Oil and Diesel Blend.” under the guidance of Prof. S S Kale.

18. NPTEL COURSES

During July- October 2020, NPTEL conducted various online courses. Out of that, 6 courses were selected for Mechanical Engineering students. Students registered for different online courses. For each course, faculties were assigned as mentor for respective students. Around 90 students registered for a total **272 courses**. 5 students from TE opted for NPTEL courses for minor degree in Computer Science Engineering and appeared for the exam of two NPTEL courses.

For the current semester (Jan- Apr 2021) 6 courses were shortlisted for SE & TE. Total **99 students** enrolled for different NPTEL courses. 3 students from TE opted for NPTEL courses for minor degree in Computer Science Engineering. 141 students from BE registered for 2 self-study NPTEL courses suggested by DBATU.

19. PARENT MEET

First Parent Teacher Association (PTA) meet for academic year 2019 – 2020 was held on 31st August 2019. Dr. Shrinivas S Metan briefed about our college achievement for academic year 2018-19, review of the activities & happenings in Mechanical Engineering Department for academic year 2018-19, briefed about Study Abroad Cell.

First Parents meet was conducted for S.E & T.E. class parents on 8th February 2020 in BE-A class. There were total 84 parents present for meeting. (Out of that 62 parents from S.E and 22 Parents from T.E.)

Second Parents Meet was conducted through online (Zoom Platform) on 29th May (Friday) 2020 for T.E.-A and on 30th May (Saturday) 2020 for T.E.-B. There were total 61 participants present for TE-A class meeting and, 74 participants were present for TE-B class meeting.

S.E. Parents meet was conducted on 04th June (Thursday) 2020 for S.E.-A and on 05th June (Friday) 2020 for S.E.-B. There were total 35 participants present for SE-A class meeting and, 53 participants were present for SE-B class meeting.

There was at length discussion about students' performance in this semester and student's appreciation for good results in exam from their parents. Also, we

briefed about the placement activity during academic year 2019-20 and discussed about detail schedule of PPW session & Test to enhance the skills of the students. Parents were happy about efforts taken by Mechanical Engineering department for students Industrial Training & Placement activity.

Prof.B.R.Birajdar coordinated all the Parents meet with respective class coordinators.

(Dr. Shriniwas. S. Metan)

Head Department of Mechanical Engineering

20. WORKSHOP CONDUCTED FOR MECHANICAL ENGINEERING STUDENTS

1. Prof. M. B. Awate Conducted a session on “Styling” for third year RE students under TTL.
2. Prof. M. B. Awate Conducted Three V lab sessions on “SOM” for students of various Diploma Colleges. (Details are with V lab In charge)
3. Prof. M. B. Awate Conducted one-week workshop on “AUTOCAD” for students of various Diploma Colleges from 26th to 30th April 2021. (Total Participants= 116)
4. Prof. B. R. Birajdar conducted a session on “DESIGN & DEVELOPMENT” for third year RE students under TTL.
5. Prof. B. R. Birajdar conducted one-week workshop on (AutoCAD) for students of various Diploma Colleges from 26th to 30th April 2021. (Total Participants = 116)
6. Prof. D. D. Bhoge has Organized workshop for school Teacher “Master Teacher Training program” for Solapur School teachers on 18th and 19th Dec 2020 by SAEINDIA and NKOCET

21. PATENT FILING:

- 1) Dr Sonage B.K, and Kashid A.S, have filed a Patent on,” Mechanized cloth Duster”, Application no- 202021032724, Date-11/06/2020.
- 2) Mr Swapnil Bharale, Pranav Harke, Muskan Shaikh, Shiddram Kotnur from TE Mechanical, Parth Lokhande and Bhawana Shinde from BE Mechanical ahs filed a Patent on “Note Sanitisation Machine” on 02/09/2020 with Design No 332669-001.