



॥ न हि ज्ञानेन सदृशं पवित्रमिह विद्यते ॥
Dr. Vithalrao Vikhe Patil Foundation's

**Dr. Vithalrao Vikhe Patil
College of Engineering Ahmednagar**



DTE College Code: EN-5161

Department of Mechanical Engineering

A report on Recent Advances in Mechanical Engineering 2017"

Date:- 17/02/2017 to 18/02/2017

Venue:-Seminar Hall

Nature of Event(SM/WS/Con) :-Conference

Name of topic:- Recent Advances in Mechanical Engineering

Name and Address of Speaker Guest:-


- 1) Professor Dr. K V. Jayakumar
(Dean Research & Planning NIT Warangal)
- 2) Hon. Dr. S. H. Sawant
(Dean Faculty of Engineering & Technology , Shivaji University, Kolhapur)

Total Number of Papers Presented :- 58

Objective of Conference:

The objective of this conference was to provide opportunities to authors to present new ideas and research results

Outcome of Conference: Exchange of research topics and results among students and researchers.


HOD & Professor
Dept. of Mechanical Engineering
Dr. V. V.P. College of Engineering
Ahmednagar-414111







**3rd National Conference on
Recent Advances in Mechanical Engineering**
RAME-17
Feb 17th - 18th 2017



Organised by



Department of Mechanical Engineering
Dr. Vithalrao Vikhe Patil College of Engineering
Ahmednagar, Maharashtra (India)

Sponsored by



Savitribai Phule
Pune University,
Pune

INSPIRATION

Dr. Vitthalrao Bknathrao Vikhe Patil - Our Visionary philanthropist pioneered the cooperative movement in India by establishing the first cooperative sugar factory in Asia at Pravara nagar, a remote village in Ahmednagar district of Maharashtra. He made untiring efforts for the upliftment of rural masses and initiated various other social and educational movements. The deeds and accomplishments of Dr. Vitthalrao Vikhe Patil made him immortal and he is living and will live forever till the civilization exists in the hearts of the generations to come.

ABOUT DVVP FOUNDATION

To realize the visionary thoughts of Dr. Vitthalrao Vikhe Patil, his worthy son, Late Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee), established Dr. Vitthalrao Vikhe Patil Foundation in the year 1982 with soul aim to provide education to rural masses. Now under the dynamic leadership of Hon'ble Radhakrishna Vikhe Patil & Hon'ble Dr. Sujay Vikhe Patil, the foundation is dedicated to provide quality education in the field of medical, Engineering, Management, Pharmacy, Nursing, Physiotherapy, Agriculture, ITI, basic & Higher Schooling.

ABOUT COLLEGE

The Institute was established in the year 1983 in the proximity of Ahmednagar Industrial area offering undergraduate & postgraduate courses. The Institute is affiliated to Savitribai Phule Pune University, Pune and recognized by the government of Maharashtra & approved by AICTE, New Delhi. Over the years it has grown into a premier institution with excellent teaching-learning environment to achieve excellence in imparting quality technical education thereby generating technocrats compatible with needs of current industries & society. Institute offers undergraduate courses in Civil, Electrical, Electronics & Telecommunication, Information Technology, Instrumentation & Mechanical Engineering. Institute also provides the education in post graduate courses in Mechanical Engineering (Design Engg.) & Civil Engineering (Structural Engg.). The institution is located on beautiful picturesque & pollution free land at a distance of 12 km. from Ahmednagar city on Ahmednagar-Mannad state highway (SH-10).

ABOUT THE DEPARTMENT

The Mechanical Engineering Department is one of the oldest departments of college. Established in the year 1986, DVVP's Mechanical Engineering Department has been providing excellent learning and research opportunities for undergraduate and post graduate students, in addition to providing consultancy services to the multiple industries.

Since its inception, the department has gained a reputation in the Savitribai Phule Pune University, Pune, (Formerly University of Pune) as renowned department due to high academic standards established by qualified, experienced and devoted faculty. Today, the Department of Mechanical Engineering attracts and features a rich diversity and quantity of talented individuals, with nearly 700 undergraduates, 60 postgraduate students and around 44 faculty members. All the laboratories in the department are well equipped and are at par with latest technology. The department has been accredited by NBA, New Delhi & NAAC, Bangalore.

CONFERENCE SCOPE

The Advances in Mechanical Engineering are the order of the day with the rapid industrialization and urbanization seen in developed and developing nations. Rapid population growth and the global pursuit of sustainability are creating new demands for engineers who can design products, services and infrastructure to improve the quality of life for the billions. Innovative design and new practices are challenging tasks to the researchers and working engineers to meet the ever growing demands of the society.

The conference is the premiere forum for the presentation of new advances and research results in the fields of Mechanical Engineering. The Conference will provide a leading forum for sharing the original research contributions and practical development experiences among students, researchers, academicians, industry professionals and application developers in Mechanical Engineering. This conference will also provide opportunities for the delegates to exchange new ideas and application through face-to-face discussions, to establish business or research relations and to find global partners for future collaborations. We hope that the outcome of RAME-2017 will yield significant contribution to the knowledge in the emerging areas of Mechanical Engineering. All the selected paper will publish in International Engineering Research Journal (IERJ).

AREA OF INTEREST

- Design Engineering
- Thermal Engineering
- Manufacturing System and Automation
- Tribology
- Interdisciplinary

* for details please Visit conference website : www.enggnaga.com/rame-2017

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Prof. D.S. Ghorpade
Prof. A.D. Pathak
Prof. P.G. Kohak

INDEX

Sr. No	Name of Topic	Page Number
1.	ACTIVE VIBRATION REDUCTION OF COMPOSITE BEAM Kundan Mishra	1
2.	WEAR RATE ANALYSIS OF HYDRODYNAMIC JOURNAL BEARING Vijay Guleria	1
3.	COMPARISON BETWEEN TENSILE PROPERTIES OF EPOXY RESIN AND BRAMHA RESIN AT ROOM TEMPERATURE Mr. Vijaykumar H. Khemnarr	2
4.	AN EXPERIMENTAL METHOD FOR IDENTIFICATION OF STABILITY LOBE DIAGRAM USING VIBRATION SIGNAL ANALYSIS FOR CHATTER FREE MILLING R. A. Kandake	2
5.	WEAR IN HYDRODYNAMIC JOURNAL BEARINGS: A REVIEW Vijay Guleria & Harbansh Sen	2
6.	DESIGN AND ANALYSIS OF DRIVE SHAFT FOR HEAVY DUTY TRUCK Kiran A. Jagtap	3
7.	DESIGN AND MODIFICATIONS IN DISC BRAKE ROTOR Prof. Rahul Kajabe	3
8.	MATHEMATICAL MODELING OF COUPLED TANK SYSTEM Prof. Parvat B. J.	3
9.	DESIGN AND ANALYSIS OF COMPOSITE PROPELLER SHAFT FOR AUTOMOTIVE APPLICATION Mr. Dattatray S. Ghorpade	4
10.	EFFECT OF EXHAUST GAS RECIRCULATION (EGR) ON NO _x EMISSION ON C.I. ENGINE - A REVIEW STUDY B. N. Kharad	4
11.	EXPERIMENTAL ANALYSIS OF GREASE CONTAMINATION IN VIBRATION SIGNATURES OF BALL BEARINGS Kundan Mishra	5
12.	OPTIMIZATION OF FORKLIFT FRAME Gauravkumar Sharma	5
13.	CONDITION MONITORING OF BALL BEARING USING VIBRATION ANALYSIS AND FEATURE EXTRACTION S. V. Shelke	6
14.	STUDY OF CONNECTING ROD UNDER STATIC LOADING USING FINITE ELEMENT ANALYSIS Raviraj Yashwant Taware	6
15.	EVALUATION OF TRIBOLOGICAL PROPERTIES OF LUBRICATING OIL WITH NANOPARTICLE AS ADDITIVES Abhishek Bhaskarrao Najan	6
16.	DIGITAL IMAGE CORRELATION TECHNIQUE FOR STRAIN MEASUREMENT OF ALUMINIUM PLATE Miss Supriya S. Gadhe	7
17.	TRIBOLOGICAL INVESTIGATION ON B33 BABBIT REINFORCED WITH SILICON CARBIDE NANOPARTICLES Mr. Rajkumar S. Gujar	7
18.	A REVIEW OF ADAPTIVE VIBRATION ABSORBERS H. D. Supekar	8

19.	DESIGN AND ANALYSIS OF COMPOSITE POLY-ACETYLENE EPICYCLIC GEAR Thorat Maheshwari Ramesh	8
20.	APPLICATION OF DIGITAL IMAGE CORRELATION FOR CURVE SURFACES: A REVIEW Mr. Tarade Abhimanu Indrabhan	9
21.	REVIEW ON DESIGN OF MUFFLER Pujari P. R	9
22.	OPTIMIZATION OF PROCESS PARAMETERS OF FRICTION STIR WELDING FOR SIMILAR HE -30 ALUMINIUM ALLOY Kohak Praveen. G	10
23.	STUDY, DESIGN AND MODELING OF INTAKE VALVE OF STATIONARY IC ENGINE Sandip Dongare	10
24.	INVESTIGATION OF WELD STRENGTH FOR DIFFERENT WELD CONDITIONS USING DESIGN OF EXPERIMENT AND EXPERIMENTATION Mr. P. D. Kale	11
25.	DEVELOPMENT OF ALUMINIUM BASED SILICON CARBIDE PARTICULATE METAL MATRIX COMPOSITE FOR CYLINDER LINER Mrinalini Sudhakar Rasal	11
26.	DESIGN AND VALIDATION OF INVOLUTE SPUR GEAR WITH ASYMMETRIC TEETH TO IMPROVE BENDING LOAD CARRYING CAPACITY Mr. H. B. Borhade	12
27.	FINITE ELEMENT BASED DYNAMIC ANALYSIS OF E -GLASS EPOXY COMPOSITE LAMINATES Supriya Deshmukh	12
28.	DEVELOPMENT OF CO ₂ GASSING SYSTEM FOR OPTIMIZED USE OF GAS IN MOULD HARDENING OF STEEL CASTINGS Adwaita Desai	12
29.	ANALYSIS OF HEAT TRANSFER RATE OF SHELL & TUBE HEAT EXCHANGER USING MATLAB CODE & CFD ANALYSIS Bhagwat Mahesh. S, Bhole Vaibhav, S. Awalekar Ajay. S	13
30.	DESIGN, ANALYSIS AND EXPERIMENTAL INVESTIGATION OF MONO SUSPENSION SYSTEM S.K. Dhadge, A.R. Sasane, T.D. Bande	13
31.	FIXTURE DEVELOPMENT FOR SPARK DRILL AND RESOLVING TAPER ISSUE ON JOB FOR 0.5MM ELECTRODE S.L. Marathe, K.R. Kohak, P.R. Gurav, A.S. Karanjekar	14
32.	DESIGN AND DEVELOPMENT OF HOVERCRAFT WITH A KEVLAR HULL BASE K.K. Gunjal, G.S. Kalkar, R.B. Harad, D. Tanapure	14
33.	DESIGN AND FABRICATION OF CHAIN CONVEYOR Dipak Patil Yogesh Patil Abhilash Patil Akash Patil	14
34.	PRESSURE DISTRIBUTION AND LOAD CARRYING CAPACITY OF JOURNAL BEARING BY USING BIO-OIL Keshavraj Patil, Pritam Kasare, Jalinder Phalake, Mayur Shinde, Prof. P.A. Narwade	15
35.	STANDARDIZATION OF MEASUREMENT SYSTEM IN SEAMLESS METAL TUBES P.R. Laware, A.D. Kusare, A.B. Borase	15
36.	AUTOMATION ON LATHE MACHINE USING HYDRAULIC QUILL ON TAILSTOCK S.B. Shewale, P.B. Satpute, S.B. Satpute, S.S. Lagad, Prof. R.E. Kalhapure	15

37.	AUTOMATION OF WIRE STRAIGHTNING AND CUTTING MACHINE A.R.Shaikh,R.B.Dholre, J.R.Shaikh.	16
38.	ANALYSIS OF HEAT TRANSFER RATE OF SHELL & TUBE HEAT EXCHANGER USING MATLAB CODE & CFD ANALYSIS Shagwat Mahesh B, BholeVaibhav .S, Awalekar Ajay. S,khandagale krushna	16
39.	REDUCTION IN REJECTION RATE OF MO -1 FIX MAGNET USED IN CONTACTOR DUE TO TOP PLANARITY Abhijeet V. Soli, Ashish C. Maski, Akshay B. Meeche, Rahul R. Raskar	17
40.	DESIGN OF JIG AND FIXTURE AND IMPROVEMENT OF STAOR STACKING PROCESS A.R.Zine, S.M. Wandhekar, H. G. Kamble , H. S.Mahale, Prof. V.P.Patekar	17
41.	AUTOMATICALLY OPERATED MATERIAL HANDLING EQUIPMENT K.B.Kalokhe, S.A.Kale, S.S.Devkare, A.P.Dikale,	17
42.	OPTIMIZATION OF WELDING PARAMETERS S.M.Deokar N.B.Dharmadhikari , A.Y.Minkar	18
43.	PRAXIS MCB LINK ASSEMBLY AUTOMATION Shanatinu Sonar, Rohan Katariya, Shubham Tangade	18
44.	SETUP TIME REDUCTION THROUGH SMED TECHNIQUE IN A STAMPING PRODUCTION LINE Devkar Praphul Shankar, Hlwale Shubham Dadasaheb, Chavan Sagar Sahebrao, Jangam Sanket Bandu	19
45.	DESIGN, TESTING OPTIMISATION OF MIST FORMING NOZZLE R.C.Ippalpell,A.B.Jadhav, K.A.Jadhav,R.H.Khade	19
46.	AIR CONDITIONING SYSTEM USING VEHICLE SUSPENSION Shaikh M.I., Shaikh S.K., Shaikh M.S., Shaikh R.N.	20
47.	IMPROVING QUALITY AND PRODUCTIVITY IN SWITCHGEAR TANK WELDING THROUGH POKA YOKE AND WASTE ELIMINATION IN ROBOTIC WELDING SHOP S.D.Arkhade,D.E.Sonawane,K.S.More,S.S.Sancheti	20
48.	DESIGN AND FABRICATION OF AQUA SILENCER B.B. Ugalmugale, S.B.Walzade, Y.Kulkarni, C.G.Badhe	20
49.	FINITE ELEMENT ANALYSIS OF PISTON S.S.Kavade , S.S.Tripathi, A.S.Changale	21
50.	AUTOMATIC STAIRCASE CLIMBING PORTER O.R.TIKKAL, G.R.SONNAR, R.K.SAWAI, S.RATHOD	21
51.	PARAMETER OPTIMIZATION IN PCB MICRO -DRILLING A.S.Penta, S.B.Gulve, S.D.Nyalpelli, S.S.Mapari	22
52.	PENUMATICALLY OPERATED PLASTIC MOLDING MACHINE K.A. Korade, M.S. Harishchandre, O.I. Bharle, S.S.Dhole	22
53.	AUTOMATIC PNEUMATIC BUMPER AND BREAKING SYSTEM FOR FOUR WHEELER A.S.Amrutkar, H.A.Zope, A.S.Vidhate, S.M.Thile	22
54.	FABRICATION OF FOUR WAY HACK SAW MACHINE N.B.Tayade, A.D.Thakare, S.S.Hole, A.H.Abruk	23
55.	VIBRATION ANALYSIS OF AC MOTOR D.R.Wakale ,P.S.Yadav, N.A.Kale , J.B.Belhekar	23
56.	ANALYSIS OF WELDED STRUCTURE Pravin N. Kok, Abhijeet E. Kolate, Rushikesh R. More, Vaibhav V. Jare	23
57.	DESIGN AND VALIDATION OF INVOLUTE SPUR GEAR WITH ASYMMETRIC TEETH TO IMPROVE BENDING LOAD CARRYING CAPACITY Hrshikesh Bhausaheb Borhade	24
58.	EXPERIMENTAL AND THEORETICAL HEAT TRANSFER ANALYSIS OF HELICAL COIL HEAT EXCHANGERS WITH VARYING CURVATURE RATIO Prof. S.M. Magar, Dr. P. M. Ghanegaonkar, V.S. Halghongade, P.A. Patara, V.B. Rahane, P.A. Kamble	24



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RAME-17

सावित्रीबाई फुले पुणे विद्यापीठ
(पूर्वीचे पुणे विद्यापीठ)

दूरध्वनी क्रमांक :

०२०-२५६०१२६४

२५६०१२६५

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गणेशखिंड, पुणे ४११००७
नियोजन व विकास विभाग

संदर्भ : साफुपुवि/निववि/ 369

दिनांक : 25/०२/२०१७

प्रति,
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कॉलेज ऑफ इजिनिअरींग
वडगांव गुप्ता, विळदयाट, एमआयडीसी,
अहमदनगर-४१४ १११

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परिषदांच्या तारखेत बदल करण्याबाबत.
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०९/०२/२०१७ रोजीचे पत्र.

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करण्यासाठी आपण सुचविल्यानुसार दिनांक १६/०२/२०१७ ते दिनांक
१७/०२/२०१७ ऐवजी दिनांक १७/०२/२०१७ ते दिनांक १८/०३/२०१७ या
तारीख बदलास या पत्रान्वये मान्यता देण्यात येत आहे.

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ATTENDANCE SHEET

DATE: 17-02-2017

Sr.No.	Name of Participant	Title of Paper	Address & Mobile No.	Sign
1.	Gujar Rajkumar shirnatb	Tribological investigation on B33 bubble 2 interfaced with etc nanoparticles	At/ps - Khandapur Tal - Shergaon, Dist - Ahmednagar 9860740886	
2	Raviraj Taware Multis Hemlata.	Study of Connecting Rod under static loading finite element Analysis	SVPMSOE, Malegaon (BK) Parhamati	
3	Hemant Supkar	A review of Adaptive vibration absorbers	Mob: 9960269139	
4.	Hrishikesh B. Borhade.	Design & validation of involute spur gear with asymmetric tooth to improve bending load carrying capacity	Mob No - 9028805767	
5	Sande framed Jambhikaji	Finite element based analysis of rotating robot pedestal	Mob No - 9768944090	
6.	Ravi Mahesh. Deshpande A.	Data recycling plant	997666770	
7.	Najin Pbhishet B.	Evaluation of Tribological properties of Lubricating oil with nanoparticles as additives	9960801791	

ATTENDANCE SHEET

DATE: 17-02-2017

Sr.No.	Name of Participant	Title of Paper	Address & Mobile No.	Sign
8.	Deshmuth Supriya Rajkumar	Finite element based Dynamic Analysis of E-glass Epoxy composite laminate	9764628339	
9.	Rajni Priyanka	Optimization & passive noise control for six cylinder diesel engine muffler	9860169615	
10	Thombare M.A	Investigation for wear behaviour of different Journal bearing material	8278451360	
11	Dengale B.A	Review of Radial Pulse Diagnosis Technique	9977169805	
12.	Gidday Mayur Jayant		9028049123	

RAME 2017 ATTENDANCE SHEET DATE: 17-02-2017				
Sr.No.	Name of Participant	Title of Paper	Address & Mobile No.	Sign
1.	Soli. Abhyud J. Pawar Rohit M. Makar. Abhish C. Machhe. Arindya	Reduction of Friction rate of Mo-I fixed magnet of a conductor due to Top plasma-bly	111442, New Freming Huko, Sawchi, A. Nagar 9988819899 9861213623	<i>Atm</i>
2.	Sancheti Sanket S. Sonewane Dipak E. More Kiran Arkhade Satish D.	Increase in overall productivity of Welding Shop.	Va. Shansavi Hostel B. Pass Road, A. Nagar 7588356268	<i>Sancheti</i>
3.	Patil Dipak Y.	Design & fabrication of chain conveyor	Mohandya Hostel, near Government dairy B. Nagar 9988819899	<i>Patil</i>
4.	Thite Santosh M. Amarthkar. B. May S. Zope. Atish A. Vikhate. Anil S.	Automatic pneumatic bumpers with breaking system	Hostel 404 A. Nagar A. Nagar 9988819899	<i>Thite</i>
5.	Tajade Nitish B. Thakare. Akshay Hote. Shubham S. Abhik. Akshay H.	Fabrication of Four way haticsy	Hostel BA 9637595231 7356967290	<i>Rothas</i>
6.	Gadge. Pritham S. Gadhe. Shubham S. Chokmunde. Nitin K. Mate. Yash A.	Design & fabrication of automatic clamping fixture for seamless tube swaging machine.	Hostel - A. 8600322116 8805805861	<i>Gadhe</i>
7.	Harishchandra M. S. Korde K. A. Bharte. O. I. Dhote. S. S.	Pneumatically operated plastic injection molding machine	776663756 9028991622	<i>Harishchandra</i>

RAME 2017 ATTENDANCE SHEET DATE: 17-02-2017				
Sr.No.	Name of Participant	Title of Paper	Address & Mobile No.	Sign
8.	1) Zappapali. R. C. 2) Jadhav K. A. 3) Jadhav. A. B. 4) Bhale. P. H.	Design, Testing optimization of mesh forming molds	Plot 47. Nagar Kalyan Road 7040075983	<i>Zappapali</i>
9.	Phad. K. Shinde. A. Lamant. S. Raut. P.	Parameter as any fuel cutting	Shubhamnagar Kalyan A. Nagar	<i>Phad</i>
10.	Deskar. Sanjay Sharmachandani. Nisha Mishra. Anuradha.	Optimization of welding defects.	MIDE, Ahmednagar	<i>Deskar</i>
11.	Deskar. P. Mishra. S. Chandani. S. Jadhav. S.	SMDE Technical	MIDE, Hostel A. C. Ahmednagar 9923309134	<i>Deskar</i>
12.	Deskar. P. K. A. Gosavi. P. Lankar. M. S. Narkhade. R.	Pneum. Magnetic Lift	MIDE, A. Nagar	<i>Deskar</i>
13.	Girle. Ashish P. Kale. Sagar. Ashok Kuthe. Kumar. B. Devkar. Sanket.	Material Handling equipment	Hostel A 9322050834	<i>Girle</i>
14.	Gurjal. Kishan K. Khatke. Gopal. S. Rahul. Wode. B. Tampure. Anuradha. D.	Design & development of homecrafts unit with a central material	Gate Hostel near DVVP. CEFA.	<i>Gurjal</i>

RAM 2017

ATTENDANCE SHEET

DATE: 17-02-2017

Sr.No.	Name of Participant	Title of Paper	Address & Mobile No.	Sign
15	Ratore Pramod A. Rachene Vijay B. Madhugade Vijay B. Kandale Pramod A.	Experimental Heat transfer analysis of helical coil heat exchanger by varying c.f.	Shivajinagar Hostel 9503867523	
16	Rane Suresh D. Shete Nilesh D. Tatam Shubham Tingale Ashok	To study damping ratio by varying oil & motion base one	Shivajinagar Hostel 9503867523	
17	Adke Anil D. Dagare Deepak Dandekar Anil Dandekar Sachin	Design and Experimental validation for internal vertical turning	Shivajinagar Hostel	
18	Gadgaonkar Pratik Gadgaonkar Pratik Gadgaonkar Pratik Gadgaonkar Pratik	External vertical turning Design & FEA validation	Shivajinagar Hostel	
19	Lokare P. R. Lokare A. D. Bhosale A. B.	Standardization of measurement system in stainless steel tubes	Hostel A 9423478235	
20	Pratik Ajitkumar Pratik Ajitkumar Pratik Ajitkumar Pratik Ajitkumar	Fabrication of pulper etc	Shivajinagar Hostel 960413940	
21	Pratik N. K. Abhijeet E. K. Rushikesh R. M. Vaibhav V. J.	Analysis of welded structure	Shivajinagar 9446456643	

RAM 2017

ATTENDANCE SHEET

DATE: 17-02-2017

Sr.No.	Name of Participant	Title of Paper	Address & Mobile No.	Sign
22	Awalekar A. J.	Analysis of heat exchanger using Matlab, CFD	Hostel - A 9808015192	
23	Shewale Suraj B. Sodpate Pratik B. Sodpate Suraj B. Lagad Shubham B.	Automation on lathe machine using hydraulic quill.	Alp. Vaidya Suraj B. A. Nagar 9463102016 9220619191	
24	Kulkarni Chetan B. Kulkarni Anil H. Kulkarni Anil H. Kulkarni Anil H.	Semiautomatic grinding machine tool grinding machine	Kulkarni Medical & Hostel 9823222551	
25	Penta Archana Nyalpelli Soundarya Gulve Sonali Muppari Sonali	Parameter Optimization of PCB Microdrill	Sevate, A. Nagar 8007838421 9226802235	
26	Ayaz Shaikh Sumedh Shaikh Ravi Dhote	Automation of wire cutting & straightening M/C	A. Nagar 9196432108	
27	Patil Keshav Shinde Mayur Kandale Shubham Thakur Shubham	Free use die and load carrying capacity by bio-vi	922731684	
28	Kate Mahesh P. Dandekar Shubham P. Dandekar S. S. Dandekar S. S.	Residual unbalance of Alternator Rotor	Sevate hostel. A. Nagar 9430165361	