

Accredited by NAAC with 'A' Grade

RESEARCH HANDBOOK

“Research is creating new knowledge” : Neil Armstrong



THE PRESIDING DEITY OF PRATISHTHAN



SANT SHRI GAJANAN MAHARAJ OF SHEGAON



Table of Contents

- ◆ Founder President's Message
- ◆ President's Message
- ◆ Chairman's Message
- ◆ Campus Director's Message
- ◆ Principal's Message
- ◆ Vice-Principal's Message
- ◆ Dean R & D Message
- ◆ Civil Department
- ◆ Computer Department
- ◆ Electronics & Telecommunication Department
- ◆ Information Technology Department
- ◆ Instrumentation and Control Department
- ◆ Mechanical Department
- ◆ Production Department
- ◆ First Year Department

Founder President of D. Y. Patil Group



Padmashree Dr. D. Y. Patil
(Ex-Governor, State of Bihar)
Founder President of D. Y. Patil Group

I am very proud to share that our colleges under D. Y. Patil Pratishthan are one of the most eminent Higher Education Institutions today, and they are renowned for the standards of their faculty, students and alumni. They are constantly pushing the frontiers of knowledge and ensure a futuristic approach that keeps pace with the changing trends in professional world through our global perspective of

“Empowerment through Knowledge”

I congratulate D. Y. Patil College of Engineering for this Research Handbook. I wish all the students studying at D. Y. Patil Pratishthan all the success in their future endeavours. God bless!

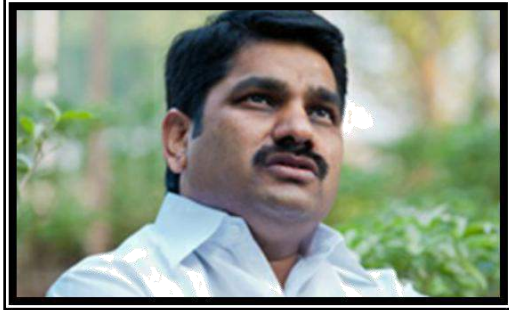
President



Hon. Dr. Sanjay D. Patil
President

At the outset, I would like to send my warm greetings to the D. Y. Patil College of Engineering for coming up with such a idea of publishing Research Handbook of the Institute. I believe this Handbook will provide a benchmark for continued improvement in research culture in the institute. I appreciate the efforts of the editorial team of this Research Handbook who have done an excellent job. Congratulations and best wishes!

Vice President & Chairman



Hon. Shri. Satej D. Patil

M. L. C., Ex. State Home Minister Maharashtra

Vice President & Chairman, Dr. D. Y. Patil Educational Complex, Akurdi, Pune

I graciously take this opportunity to congratulate DYPCOE, Akurdi Pune-44 for publishing their Research Booklet.

As rightly stated, *“Reading maketh a full man; research a ready man; and writing an exact man”*, a Research Booklet of this kind is a magnificent opportunity for all the research scholars, faculty members and students to read, confer and write upon the theme and come up with innovative ideas and solutions for execution. This would undoubtedly contribute to the qualitative growth of the education sector, industry and the country at large.

I grab this opportunity to motivate the entire education fraternity of the campus to strive continuously to organize and partake of such research oriented endeavors in the form of seminars, conferences, industry projects and so on so forth. This booklet will provide a platform to individuals to discover and effectively implement their research ideas about emerging trends in Science Engineering and Technology.

My best wishes and regards for the grand success of this Research Booklet and I am sure that the future of research at DYPCOE, Akurdi is bright and I wish them all the very best.

Campus Director



Col.S. K. Joshi(Retd.)
Campus Director,
Dr. D. Y. Patil Pratishthan's Educational Complex, Akurdi, Pune

Today's Global Education serves a dual function:

“Education for Living and Educating for making a Living”

I am extremely pleased by the creative initiative taken by D.Y. Patil College of Engineering for publishing this research handbook. Publishing such a handbook reflects that we are consciously contributing to the imparting research culture among faculty members and students. Also, it is a gesture of fulfilling our vision of imparting quality education to our students and also catering to the personal and professional growth of both the faculty members and the students. One of the inevitable benefits of this handbook is that it extends an opportunity to the faculty members and the students to stay excited and invigorated about being an integral part of the educational set up. It's my pleasure to state that D.Y. Patil College of Engineering is inculcating life meticulously & imparting the best in every domain of knowledge in more purposeful manner. I wish the team DYPCOE a lot of success.

Vice Principal



Dr. Mrs. P. Malathi

Vice Principal

D. Y. Patil College of Engineering, Akurdi, Pune

It gives me immense pleasure in introducing Research Handbook showcasing research and development activities and competency profiles of faculty. At D Y Patil College of Engineering, Akurdi, Pune, attainment of outcomes of students are always been given top priority through learner centric environment. This demands dynamic teaching-learning approaches and practicing newer pedagogies such as active learning, scaffolding of learners and extended engagement in learning.

Every faculty has integrated stakeholders in their subject delivery to students and alumni's participation with stakeholder's seal of approval. In striving to get seal of approval of stakeholders, sustainable technologies, novel methods of research are also getting developed resulting in publications and Intellectual Property Rights, apart from MoU with Industries and Centre of Excellence in relevant arena.

Research Handbook is therefore a welcome step in showcasing and nurturing the activities in students and other stakeholders towards the goal of continual improvement with practicing ethical approaches, development of modern tools and techniques, culminating cost effective solutions, newer materials and mechanisms, finding out security and embedded solutions, networking and IOT based techniques, transportation and cutting edge technological issues.

We are highly thankful to Industries, society, alumni, employers, funding agencies, BOS Savitribai Phule Pune University for helping us in promoting research and development activities. DY Patil College of Engineering, Akurdi, Pune with a legacy of 34 years of Engineering education under the guidance and motivation of Hon. Chairman Shri. Satej D Patil, Campus Director, Col. S. K. Joshi and Principal, Dr Vijay M Wadhav, is committed for rendering Research and Development activities for promoting values in society for the benefits in all facets of Engineering approaches.

Let us once again welcome this step of publication of research handbook.

Dean R&D



Dr. Vijaykumar S. Jatti
Dean (R&D)

Over the years, D Y Patil College of Engineering (DYPCOE) has grown into an outstanding academic establishment in India covering varied areas of academic interests, and attracting an equally diverse faculty and student body.

Research is a precursor to discovery and innovation. DYPCOE recognizing the importance of research, has initiated rigorous Research and Development (R&D) activities in campus. We have envisioned becoming a well known name in R&D activities. Our immediate goal is to encourage excellence in research and publication activities at Department as well as Institute level. We are self motivated to publish quality research results in National and International Conferences and Journals.

To enrich the Learning Process among the faculty members and students, we host Seminars and Workshops of well-known personalities from Academia, R&D organization and Industries. The R&D Cell is also getting inputs from R&D organization, Industries and Funding Agencies.

R&D Cell, invite all the students joining the Institute at graduate, post graduate and doctorate level to make use of the facilities and resources offered by the Institute to nurture their talent and contribute their ideas for the growth of R&D Culture.



Civil Engineering



Civil Engineering Department was founded in 1986 with an intake capacity of 60 which is subsequently increased to 120 in year 2012. As the time progressed with the high level of appreciation and demand Second Shift is also started in 2014 with intake of 60 students. Department runs Masters course in Construction & Management since 2009 and Environmental Engineering since 2012. Along with the PG Course, it also has Research Centre.

The department aims to develop competent and strong Civil engineering community through sound technical knowledge and leadership qualities. It also encourages and give emphasis on innovative ideas, projects related to needs of society, environment towards the development of institute as well as state.

Enthusiastic young faculties with diverse specialization are backbone of the department and are keen in developing themselves to face challenges. Basics and advances in Civil Engineering field are taught in various well-equipped laboratories and computer centers through hands on experience, expert lectures, site or industrial visits.

Department of Civil Engineering has active student's chapters of Indian Plumbing Association and Institution of Engineers. Students participate in internship programs initiated by our Training & Placement cell in association with Builders Association of India. These co-curricular activities promote strong interaction with industry and make students ready to work on field.

With the strong foundation in Civil Engineering, many of our students are enrolled for higher studies in reputed institutes in India and abroad. Students are also employed in government jobs through competitive exams. Our training and placement cell is very active which helps the students in campus as well as off campus placements.

Dr Ashok B More

Civil Engineering



Dr. Ashok Balakrishna More

Civil Engineering

Name of Faculty

Dr. Ashok Balkrishna More

Department and Designation

Civil Engineering
Associate Professor

Domain

Environmental Engineering

Qualification

PhD

About

Interested in utilizing teaching and administrative experience and skills in leading the department and enhance performance of each and every person associated with civil engineering department through healthy and positive environment.

Research Paper

National Journal	02
International Journal	12
National Conference	14
International Conference	12
Books Published	04
Patents	01
Invited as Resource Person	06
Guided PhD	-

Patents (Filed / Published)

Title : CVR-FOR-USW : Continuous flow Vermi-Reactor for fast track solid waste treatment application id 201721027081 ,dated 31/07/2017 is under process

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Continuous flow Vermi-Reactor , Patent filled Three Tier System , ongoing

Awards and Recognition

- ◆ Jay Hanuman Gaurav Puraskar, Shree Hanuman JaisthaNagrik Sangh, Hanmanthvadiye, Tal; Kadegaon, Dist; Sangli, 2011.
- ◆ ISTE, Maha-Goa Section, Best Engineering College Project Award, 2017
- ◆ Best Academician of the Year Award, by Combined Society for Educational Research and Development, Dehradun at N. L. Dalmia IMSR, Mumbai, 2018.

Recent Five Publications

- ◆ Artificial Duplication of Self-Cleansing Property of River Ganga on River Mula-Mutha in order to make River as an Identity of Smart Pune”, in Technical Journal of Institute of Engineers India (IEI), Volume 41, Nov-2017, pp 10-15, ISBN :978-81-924990-5-5.
- ◆ Anaerobic Treatment for Degradation and Stabilization of MSWOF with Post-compost Maturity”, in International Journal for Science and Research in Technology, Vol.3(7)July 2017, pp139-144, ISSN :2395-1052.
- ◆ “Delay Analysis in Construction of Redevelopment Residential Project”, in International Research Journal of Engineering and Technology, Vol.4, Iss.7–July 2017, pp37-44, ISSN:2395-0072, I.F.: 5.181.
- ◆ Water Quality Assessment of Manjra River- Review”, in International Journal of Advance Scientific Research and Engineering Trends (IJASRET), Volume 2, Issue 2–Sept., 2017, pp 19-22, ISSN :2456-0774, Impact Factor: 4.530.
- ◆ Feasibility Analysis of Water Distribution System for Yavatmal City using WaterGems Software”, in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 6, Issue 7–July 2017, pp 13706 - 1 3 7 1 3 , ISSN :2347-6710, Impact Factor: 6.209.



Dr. Basavaraj S. Balapgol

Civil Engineering
Professor

Name of Faculty

Dr. Basavaraj S. Balapgol

Department and Designation

Civil Engineering
Professor

Domain

Structural Engineering

Qualification

B. E. (Civil), M.E.(Structures), Ph.D.

About

Interested in utilizing experience of teaching to make subject easier for students

Research Paper

National Journal	03
International Journal	13
National Conference	06
International Conference	04
Books Published	—
Patents	--
Invited as Resource Person	05
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

A two-dimensional finite element analysis of a shape memory alloy laminated composite plate of 3.0 Lacs Completed.

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Best Educationist Award by International Institute of Education & Management, New Delhi
- ◆ Guru Gaurav Purskar-16 by Apollo Institute and Polish Pravah Weekly Pune
- ◆ Life Member of ISTE,
- ◆ Fellow of Institution of Engineers India .

Recent Five Publications

- ◆ "Demolition of Structure Using Finite Element Analysis Software" ,*Int.Journal for Science and Adv. Research in Technology*, 4(7), July 2016, pp.131-146.
- ◆ Majumder Debashree, Balapgol Basavaraj S. "Waste Stabilization and Treatment of MSW by using Gomutra" , *Int. Adv.Research Journal in Science, Engineering and Technology*, 3,Vol. 7, July 2016, pp.20-23.
- ◆ A Review on : Reduction of inorganic matter in wastewater through use of Titanium Dioxide,*Int.Journal of Advance Research in Science and Engineering*, 4,Vol. 6, April 2017, pp.914-916.
- ◆ Reduction of Inorganic Loading Rate in Dairy Wastewater through Use of Nanomaterials: Zinc Oxide and Mixture of P25 Degussa & Zinc Oxide, *Int. Journal of Science and Research, Engineering*, 5,Vol. 6, May 2017, pp.2243-2244.
- ◆ Bendsure Shraddha S., Balapgol Basavaraj S. " Delay Recovery at Bridge Site Project" , *Int. Journal for Science and Advance Research in Technology*, 4,Vol. 4, April 2018, pp.3267-3269.

Name of Faculty

Dr. N.S.Jain

Department and DesignationCivil Engineering
Associate Professor**Domain**Geology, Geo-hydrology, Remote sensing &
GIS application to Earth Sciences**Qualification**

M.Sc. PhD (Geology), MBA(HRM & Finance),

AboutIs interested in challenging career that
gives better exposure to my skills and abilities
and to be part of a challenging and growing
organization.**Dr. N.S.Jain**Civil Engineering
Associate Professor**Research Paper**

National Journal	--
International Journal	05
National Conference	10
International	06
Books Published	04
Patents	--
Invited as Resource Person	03
Guided PhD	--

NIL

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ Comparative study of Stabilization of soil using fly ash, silica fumes and waste plaster of paris (Ashwin Sakhare, Dr. Narendra S. Jain)
- ◆ GIS based project Information System for Project Management(Achyut Deshmukh, Dr. Narendra S. Jain) (IJISRT), Vol 2 2017
- ◆ Managerial Competencies of female and male managers in construction industry (Dipika Wagh, Dr. Narendra S. Jain) (IJSART, Vol.2)
- ◆ Delineation of groundwater prospecting zones in and around Lonar Tahasil of Buldhana District, Maharashtra State, India.(Dr. Narendra S. Jain, Dr. Ashok V. Tejankar),(International Journal of Advance Foundationand research in Science & Engineering, Vol.1)
- ◆ Utility of Geoinformatics in watershed Management and water Quality Analysis for North-East region of Pune District. (Mr. Anil Dhobale, Dr. N. S. Jain) (International Journal of Scientific & Engineering research, Vol.5,Issue 6 June 2014)

Ms. Smita Pataskar
Civil Engineering
Assistant Professor

Research Paper

National Journal	04
International Journal	32
National Conference	12
International	06
Books Published	03
Patents	--
Invited as Resource Person	03
Guided PhD	--

Name of Faculty

Ms. Smita Pataskar

Department and Designation

Civil Engineering
Assistant Professor

Domain

Construction Management, Traffic Plan-

Qualification

B.E (Civil), M.E.(Construction & Manage-

About



Passionate about teaching and mentoring students to cumulate them as competitive and quality conscious engineers

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of Institution of Engineers (Membership No: M – 133272-9)
- ◆ Member of Indian Society of Technical Education. (Membership No: LM – 41883)

Recent Five Publications

- ◆ Published paper in International Journal for Science and Advance Research in Technology), Publication with ISSN No: 2396-1052 . Topic : Comparative Analysis of Integrated Township
- ◆ Published paper in International Journal for Science and Advance Research in Technology), Publication , ISSN No: 2396-1052 . Topic : Study of Economical & social impact of BRTS & Feeder system on Aundh Ravet Road
- ◆ Published paper in International Journal for Science and Advance Research in Technology), Publication , ISSN No: 2396-1052 . Topic: PPP model for Construction and Development of DP roads in PCMC on Development TDR basis
- ◆ Presented paper in International Conference on Transformations in Engineering Education organized by MITADT, Pune. Dec 2017 Topic : Teaching TQM in Civil Engineering
- ◆ Presented paper in National Conference in Manufacturing & Production engineering (NCRIMPE – 2017) at Pune, Dec 2017, Topic : Applying six sigma principles in construction industry for Quality improvement

Name of Faculty

Mr. Sachin J. Mane

Department and DesignationCivil Engineering
Assistant Professor**Domain**

Environmental Engineering

Qualification

B.E(Civil), M.E.(Civil Environmental)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Mr. Sachin J. ManeCivil Engineering
Assistant Professor**Research Paper**

National Journal	--	NIL
International Journal	15	
National Conference	01	
International	-	NIL
Books Published	—	
Patents	--	NIL
Invited as Resource Person	—	
Guided PhD	--	NIL

of Sponsored Projects**Details of Products (Developed/ Ongoing)****Awards and Recognition****Recent Five Publications**

Published paper in International Journal of Technical Innovation in Modern Engineering & Science , ISSN : 2455-2585 . **Topic:** Artificial Neural Network model for Respirable Particulate Matter Concentration Prediction

Published paper in International Journal of Application or Innovation in Engineering & Management , ISSN : 2319-4847 . **Topic:** Development of SO2 prediction Model with Artificial Neural Network for Pune City

Published paper in International Research Journal of Engineering and Technology ,ISSN 2395-0072 ., **Topic:** Performance evolution of different MBBR media in wastewater treatment

Published Paper in International Journal of Engineering Science and Computing, Topic, **Topic:** Biodegradation of Low Density Polyethylene by Using Mixed Culture of Bacteria and Fungi

Published Paper in International Journal of Science Technology and Management; ISSN: 2394-1529 **Topic**-COAGULATION/FLOCCULATION PROCESS FOR CATIONIC, ANIONIC DYE REMOVAL USING WATER TREATMENT RESIDUALS – A REVIEW



Dr. Alka Y. Pisal
Civil Engineering
Associate Professor

Name of Faculty

Dr. Alka Y. Pisal

Department and Designation

Civil Engineering
Associate Professor

Domain

Structural Engineering

Qualification

BE (Amravati University), M Tech (IIT Roorkee), PhD (IIT Bombay)

About

Interested in utilizing practical knowledge and technical concepts in Teaching. Key Skills: Seismic Analysis & Design, Vibration Control of Struct., RC & Steel Strc.

Research Paper

National Journal	01
International Journal	06
National Conference	00
International Conference	02
Books Published	01
Patents	--
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

Applied for two projects

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Chartered Engineer (India) of IEI
- ◆ MI Membership of Institution of Engineers (India)
- ◆ Worked as a Reviewer for Journal of Vibration and Control, Shock and Vibration, Challenge Journal of Structural Mechanics, Cambridge Press University
- ◆ Appointed as Editorial Board member for international journal of research review in engineering and management (IJRREM) and International Journal of Current Research in Engineering and Technology (IJCRET)

Recent Five Publications

- ◆ Alka Y. Pisal, Yogesh Pisal, "Review of Critical Design Provisions of IS1893 (Part 4): 2015", Indian Concrete Journal (ICJ), Vol. 92, Issue-5, pp 48-54, May 2018
- ◆ Alka Pisal, R.S. Jangid, "Vibration control of bridge subjected to multi-axle vehicle using multiple tuned mass friction dampers", International Journal of Advanced Structural Engineering (IJASE), DOI 10.1007/s40091-016-0124-y, Vol. 08, Issue- 2, pp 213-227. 2016
- ◆ Alka Pisal, R.S. Jangid, "Dynamic response of structure with tuned mass friction damper", International Journal of Advanced Structural Engineering (IJASE), DOI 10.1007/s40091-016-0136-7, Vol. 08, Issue- 4, pp 363-377, 2016.
- ◆ Alka Pisal, R.S. Jangid, "Seismic response of multi-story structure with multiple tuned mass friction dampers", International Journal of Advanced Structural Engineering (IJASE), Vol. 06, Issue- 1, pp 46-1 to 46-13, 2014
- ◆ Alka Pisal, R.S. Jangid, "Seismic Response of Multi-Story Structure With Semi-Active Multiple Tuned Mass Friction Damper", International Journal of Computational Engineering Research (IJCER), ISSN: 2250-3005, Vol. 03, Issue-8, August 2013

Name of Faculty

Dr. Saswati Datta

Department and Designation

Civil Engineering
Associate Professor

Domain

Geotechnical Engg, Geoenvironmental

Qualification

B.E(CE), M.Tech.(Geotech), PhD

About

To produce capable and responsible graduates who build the country's infrastructure and improve people's lives; to conduct research on sustainable development of our built environment and on the protection and conservation of our natural resources.

Dr. Saswati Datta
Civil Engineering
Associate Professor



Research Paper

National Journal	--
International Journal	01
National Conference	01
International Conferences	05
Books Published	--
Patents	--
Invited as Resource Person	01
Guided PhD	--

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Contribution to World Gene Data-Bank: *Bacillus pumilus* DRG1, *Lysinibacillus sp.* DRG3, *Bacillus drentensis* DRG4 and *Bacillus foraminis* DRG5 16S ribosomal RNA gene (HQ436338, HQ436337, HQ436340 and HQ436339). Web source: <http://www.ncbi.nlm.nih.gov/nuccore>.

Awards and Recognition

- ◆ Secured AIR 161 in GATE 2007
- ◆ Awarded Fellowship for M.Tech from MHRD in 2007
- ◆ Awarded Institute Fellowship for Ph.D from MHRD in 2009
- ◆ Membership of American Society for Civil Engineers (ASCE Member ID #10378435)
- ◆ Technical Reviewer of PanAm-UNSAT 2017, 2nd Pan American Conference on Unsaturated Soils, Dallas, Texas, USA
- ◆ Chaired a Technical Session in 4th GeoShanghai International Conference 2018, Shanghai, China.

Recent Five Publications

- ◆ Ghatak S, Roy D and Vinoth G (2017). Effect of microbial activities on permeability of sand. *Geoenvironment and Geohazard* (Springer), 7, 424–433. 4th GeoShanghai International Conference 2018, Shanghai, China.
- ◆ Ghatak S, Roy D and Roy S (2017). Effect of biogenic gas on Skempton's pore pressure parameter B_v . *ASCE - Geotechnical Special Publication, GSP 302*, 359–369, 2nd Pan American Conference on Unsaturated Soils, Dallas, USA.
- ◆ Roy D, Singh DK, Deb A and Ghatak S (2016). Finite element modeling of cone penetration test in weakly cemented sand. *Proceedings of 5th International Conference on Geotechnical and Geophysical Site Characterization*, Australia.
- ◆ Ghatak S, Manna S and Roy D (2015). First-order assessment of the influence of three EPS and calcite producing microbes isolated from a cemented sand site on soil shear strength. *Geomicrobiology Journal* (Taylor & Francis Publication, Impact factor 1.44), 32, 761–770.
- ◆ Ghatak S, Manna S and Roy D (2014). Strengthening of sand by calcite producing bacteria *Lysinibacillus sp.* DRG3 isolated from a naturally cemented site. *Proceedings of 67th Canadian Geotechnical Conference, GéoRegina*, Canada.

Name of Faculty

Dr. Tushar Bagul

Department and DesignationCivil Engineering
Associate Professor**Domain**

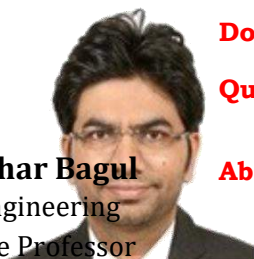
Transportation Engineering

Qualification

B.E(Civil), M.Tech.,Ph.D

About

Is interested in growth oriented and challenging career that gives better exposure to my skills and abilities and to be part of a growing organization.

Dr. Tushar BagulCivil Engineering
Associate Professor**Research Paper**

National Journal	--
International Journal	05
National Conference	04
International Conference	03
Books Published	--
Patents	--
Invited as Resource Person	03
Guided PhD	--

NIL

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Best Paper Award at IIT Roorkee on “National Seminar for Role of Infrastructure for Sustainable Development, The Institution of Engineers” (India), 2012
- ◆ Elected member in Student council at SVNIT, 2015-16
- ◆ Deputy speaker & Ph.D. Councilor in SAC SVNIT, 2015-16
- ◆ Member of Institution of Engineers of India.
- ◆ Member of Institute of Urban Transport (IUT M-1514)
- ◆ Session chair in International conference held at DYPCOE, May 2018.

Recent Five Publications

- ◆ Tushar Bagul , Tanuj; Development of Robust Grout For Cement Grout Bituminous Macadam;IJERT , ISSN 2278-0181,Volume 7, Issue 4, Status: Published.
- ◆ Tushar Bagul, Rakesh Kumar; Travel Time Reliability Analysis Of Three Wheelers: An Indian City Case Study” International Journal Of Traffic And Transportation, E-ISSN: 2325-0070, 2015; 4(4):107-114 Status: Published
- ◆ Tushar Bagul, Ravindra Kumar; Analysis Of Autorickshaw As An Intermediate Para Transit System International Journal Of Engineering And Science, ISSN: 0020-7225, Paper ID 1912. Status: Accepted.
- ◆ Tushar R. Bagul, Ravindra Kumar, Rakesh Kumar ; Analysis Of Urban Ecological Footprint Using Real Word Driving Cycle; Materialtoday Proceedings (Elsevier Publication), Manuscript No. PISC –D-16-00951, Status: Accepted
- ◆ Tushar R. Bagul, Ravindra Kumar, Rakesh Kumar; Analysis Of Autorickshaw As Intermediate Paratransit Mode” Material Today Proceedings (Elsevier Publication), Manuscript No. PISC –D-16-01061 Status: Accepted.



Mr. Viraj R. Kashikar
Civil Engineering
Assistant Professor

Name of Faculty

Mr. Viraj R. Kashikar

Department and Designation

Civil Engineering
Assistant Professor

Domain

Civil Engineering, Environmental Engg.

Qualification

B.E (Civil Engg), M.E.(Env. Engg.)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	00
International Journal	03
National Conference	00
International Conference	01
Books Published	00
Patents	00
Invited as Resource Person	00
Guided PhD	00

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Registered for Ph.D (Civil & Environmental Technology) in Department of Technology, Savitribai Phule Pune University from 21/06/2017
- ◆ Awarded as University topper in ME (1st Year) in the academic year 2013-14

Recent Five Publications

- ◆ Published paper in International Journal of Engineering, Research & Technology, Volume. 7, Issue-4, April-2018 **Topic** : Eco-Friendly Concrete by replacement of coarse aggregates by waste CD's
- ◆ Published paper in International Journal of Engineering, Research & Technology, Volume. 7, Issue-6, June- 2018 **Topic** : Acquiescent Design From Solar En-ergy.
- ◆ Presented paper in International Conference Organized by IRAJ. **Topic:** Wave Height Forecasting using Artificial Neural Network & Fuzzy Logic
- ◆ Published paper in International Journal of Engineering, Research & Technology, Volume. 7, Issue-6, June- 2014 **Topic** : Artificial Neural Network– An effective Tool in Forecasting Wave Height.



Mr. Sudhanshu Pathak
Civil Engineering
Assistant Professor

Name of Faculty

Mr. Sudhanshu Pathak

Department and Designation

Civil Engineering
Assistant Professor

Domain

Construction Management

Qualification

B.E(CE), M.E.(CE) PhD (Pursuing)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	01
International Journal	12
National Conference	01
International	01
Books Published	01
Patents	--
Invited as Resource Person	03
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

Applied (BCUD) in Dec 2017

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Life Member of Indian Society for Technical Education (ISTE), Institute of Engineers (IEI), International Society for Research and Development (ISRD).
- ◆ Appreciation for Efforts taken for forming students chapter by Indian Plumbing Association (IPA).
- ◆ Subject chairman for Construction Management (BE 2012, 2008), Application of statistical methods in Construction (ME -CM -2017), Construction Contracts And Administration management (ME-CM-2017).
- ◆ Paper setter for Gujarat Public Services Commission (GPSC) in 2016 and 2017.

Recent Five Publications

- ◆ Study of Risk factors in Infrastructure projects of Pune region using Relative importance index, IJERT, volume 7, issue 5 May 2018
- ◆ Performance management through quality measurement at construction site, Pune, IJERT, volume 7, issue 5 May 2018
- ◆ Construction Management software packages in India, IJERT, volume 7, issue 5 May 2018
- ◆ Experimental Study of Concrete strengths by partial replacement of Cement with GGBS and Natural sand by copper slag. IJSART, Volume 4, Issue 5, June 2018
- ◆ Parameter Optimization on Compressive strength of Polypropylene fiber concrete, IJSART, Volume 4, Issue 1, January 2018



Mr. Mukund Chougale

Civil Engineering
Assistant Professor

Name of Faculty

Mr. Mukund Pandurang Chougale

Department and Designation

Civil Engineering
Assistant Professor

Domain

Geotechnical Engineering

Qualification

B.E(Civil), M.E.(Geotech)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	01
National Conference	02
International Conference	01
Books Published	00
Patents	--
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

Soil Testing for earthen dams of project Godavari Minor Irrigation Division Nashik. The total consultancy of amount is Rs. 63 Lakh.(2016-17)

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of Indian Society for Technical Education (ISTE)
- ◆ Member of Institution of Engineers India (IEI)
- ◆ Member of Indian Society for Rock Mechanics and Tunnel Technology (ISRMTT)
- ◆ Member of Ferrocement society of India (IFS)

Recent Five Publications

- ◆ Presented paper in 3rd International Conference on Recent Trends in Engineering & Technology (ICRTET 2015), Elsevier Publication with ISBN No: 978-93-5107-220-1. Topic : Impact assessment of ground water pollution at Nashik Landfill.
- ◆ Presented paper in Indian Indian Geotechnical Convergence of Technology IGS-12016, Topic : Assessment of Geotechnical Properties of MSW as a function of landfill placement



Ms. Aarti Hiremath
Civil Engineering
Assistant Professor

Name of Faculty

Ms. Aarti Hiremath

Department and Designation

Civil Engineering
Assistant Professor

Domain

Geotechnical Engineering

Qualification

B.E(CE), M.E.(CE)

About

Interested to pursue PhD and accept challenges in Geotechnical Engineering for benefiting society.

Research Paper

National Journal	--
International Journal	09
National Conference	-
International Conference	02
Books Published	-
Patents	--
Invited as Resource Person	-
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

Nil

Recent Five Publications

- ◆ Paper published in International Journal Advance Research in Science and Engineering ISSN (O):2319-8354, ISSN (P):2319-8346,Vol5, Issue 12, Dec 2016
Title: Ride Sharing System- A Review and Methodology
- ◆ Paper published in International Conference on Recent Trends in Engineering Science ISBN; 978-93-86171-12-2, Vol 5, Issue 12, Dec 2016
Title: Comparison of Shear Strength of Plastic & Non Plastic Fines in soil.
- ◆ Paper published in International Journal of Advance Research in Science and Engineering ISSN (O):2319-8354, ISSN (P):2319-8346,Vol5, Issue 12, Dec 2016
Title: Utilization of Fly Ash and Glass Powder as a Filler material in Flexible Pavement..
- ◆ Paper published in International Journal of Trend in Research and Development Volume 4 Issue 6 (November - December -17)
Title: Behaviour of Confined Aggregate Concrete (The reuse of Waste Tire Tread .
- ◆ International Journal of Innovative Research in Science, Engineering and Technology ISSN(Online): 2319-8753, ISSN (Print): 2347-6710,Vol-6, Issue 10, Oct 2017
Title: Impact of Non Plastic Fines Content On Shear Strength Of Soil.

Name of Faculty

Mrs.Ashwini R Patil

Department and DesignationCivil Engineering
Assistant Professor**Domain**

Civil Engineering

Qualification

BE Civil, ME Construction & Management

AboutWorking since five years in this institute,
Now since months working as PG Coordinator for CM.


Mrs. Ashwini R Patil
Civil Engineering
Assistant Professor

Research Paper

National Journal	--
International Journal	15
National Conference	02
International Conference	03
Books Published	—
Patents	--
Invited as Resource Person	01
Guided PhD	--

NIL

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Life Member of Indian Concrete Institute LM No. 10483
- ◆ Associate Member of Indian Institute of Engineers (India) AM 1677201

Recent Five Publications

- ◆ Paper published in International Journal for Science & Advance Research in TechnolVolume 3,Issue 10, Oct 2017, Title: Waste Minimization of Steel Using BBS Module
- ◆ Paper published in National Conference on Recent Trends in Manufacturing and Production Engineering in association with COEP & ISTE, Title: Fiber Re-inforced Concrete Manufacturing in Construction
- ◆ Paper published in International Conference on “Ongoing Research in Management and IT”, 2012-13 Jan 2018, Pune, Title: Material Management on Construction Project
- ◆ Paper published in International Research journal of Engineering & Technology IRJET, June 2018, Title: Study of Physico Chemical & Bacteriological analysis of Indrayani River Water at Alandi
- ◆ Paper published in International Journal of Science Engineering & Technology Research, June 2018, Title: Assesment of water Quality Index of Indrayani Riv-er,Alandi title Assesment of water Quality Index of Indrayani River,Alandi

Mr. M V Tatikonda
Civil Engineering
Assistant Professor



Name of Faculty

Mr Mahesh V Tatikonda

Department and Designation

Civil Engineering
Assistant Professor

Domain

Structural Engineering

Qualification

B.E, M.Tech in Structural Engineering

About

Interested in Research in the field of Concrete Technology

Research Paper

National Journal	--	NIL
International Journal	06	
National Conference	01	
International Conference	01	NIL
Books Published	00	
Patents	--	NIL
Invited as Resource Person	—	
Guided PhD	--	

Sponsored Projects

Details of Products (Developed/ Ongoing)

Awards and Recognition

- ◆ Life Member of ISTE and no LM 123628

Recent Five Publications

- ◆ Published paper in Mahesh V Tatikonda: —Mechanical Properties Of Floating Concrete By Using Expanded Polystyrene Beads As Replacement Of Aggregates|| International Research Journal of Engineering and Technology, ISSN: 2395-0056, Volume: 05 Issue: 05 | May-2018.
- ◆ Published paper in International Journal of Advanced Research in Science, Engineering and Technology vol 3, Issue 11, November 2016 —Mechanical Properties of Flyash Concrete Containing Metakaolin||
- ◆ Published paper in INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE AND COMPUTING —Impact of factor affecting on labour productivity in construction projects by AHP method|| Volume 6 issue no 6 ISSSN 2250 – 1371
- ◆ Published paper in ||Microstructural study of high performance concrete containing RHAI International Journal of Innovative Research in Science and Engineering Vol. No. 2, Issue 12, December 2016.
- ◆ Study on time history analysis method using staad|| International Journal of Advance Research in Science and Engineering vol.No. 5, issue no 12, December 2016.



Mrs, Aruna Sharma
Civil Engineering
Assistant Professor

Name of Faculty

Mrs. Aruna Sharma

Department and Designation

Civil Engineering
Assistant Professor

Domain

Environmental Engineering

Qualification

B.E(Civil Engg), M.Tech (Env Engg)

About

Interested in Treatment and Design of water and Waste water networks, Solid waste Management, Environmental Sustainability.

Research Paper

National Journal	01
International Journal	07
National Conference	01
International	02
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

◆ NIL

Recent Five Publications

- ◆ A review on: oil spill detection in matlab software using sar Images ,IJSART,Volume 4,Issue 5 in May 2018,ISSN [ONLINE] : 2395-1052
- ◆ A review on: groundwater suitability for drinking and agricultural usage in midc area chakan, pune ,IJSART, Volume 4,Issue 6 in June 2018,ISSN [ONLINE] : 2395-1052
- ◆ Microbial Decolourisation of textile dye, IJSART (ISSN 2395-1052) Volume 3 , Issue 9 , September 2017
- ◆ A review on : Comparison of various catalyst for the Catalytic Depolymerisation of waste polystyrene, IJARSE (ISSN 2319-8334) Volume 06,Issue 04, April 2017
- ◆ An Analytical Approach of Reactor: A new way to treat compost, ijates (ISSN 2348-7550) Vol 05, Issue 04, April 2017.

Name of Faculty

Mrs. Savita V. Jatti

Department and DesignationCivil
Assistant Professor**Domain**

Computer Programming, Networking

Qualification

D.C.E., B.E (Civil), M.E.(Structure)

About

To built up my career with innovative ideas in the organization which is offering me to work in the team and allowing me to take part in the development of organization..

**Mrs. Savita V. Jatti**Civil Engineering
Assistant Professor**Research Paper**

National Journal	--	NIL
International Journal	02	
National Conference	—	
International	—	NIL
Books Published	—	
Patents	--	NIL
Invited as Resource Person	—	
Guided PhD	--	

Details of Sponsored Projects**Details of Products (Developed/ Ongoing)****Awards and Recognition**

- ◆ The Indian society for Technical Education (ISTE)- Life Member(LM 121997)
- ◆ International Society for Research and Development (ISRD)- Membership ID-M4150904024

Recent Five Publications

- ◆ Journal of Applied Pharmaceutical Science and entitled 'Experimental Investigation of Mechanical Properties and Bio-compatibility of Glass Fiber Reinforced Polymer Composite as Bio-implant' (Manuscript Number: JAPS-2018-05-738)- In Process. (submitted)
- ◆ Jordan journal of Civil Engineering and entitled 'Study on the Effect of Steel Fiber and Metakaolin on Mechanical Properties of Hardened Concrete', In Process. (submitted)

Name of Faculty

Ms. Subhashini S. Ramteke

Department and DesignationCivil Engineering
Assistant Professor**Domain**

Structural Engineering

Qualification

B.E(Civil Engg.), M.Tech(Structures)

About2.7 Years completed in this Institute.
Teaching to First Year Engineering Department.

Ms. Subhashini S. Ramteke
Civil Engineering
Assistant Professor

**Research Paper**

National Journal	01	NIL
International Journal	02	
National Conference	---	
International Conference	01	NIL
Books Published	---	
Patents	---	NIL
Invited as Resource Person	---	
Guided PhD	--	

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of the Institution of Engineers (India)(IEI)
- ◆ Member of International Society for Research and Development (ISRDR)

Recent Five Publications

NIL



Ms. Shefali R Ghutke
Civil Engineering
Assistant Professor

Name of Faculty

Ms. Shefali R Ghutke

Department and Designation

CIVIL Engineering
Assistant Professor

Domain

Hydraulics

Qualification

ME in Hydraulics

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	0
National Conference	01
International	00
Books Published	00
Patents	--
Invited as Resource Person	00
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of International Water Works Association, Pune.

Recent Five Publications

NIL

Name of Faculty

Mr.Rajvardhan patil

Department and DesignationCivil Engineering
Assistant Professor**Domain**

Hydrology and Water Resources Engineering

Qualification

B.E(CE), M.Tech.(H &WRE)

Mr.Rajvardhan PatilCivil Engineering
Assistant Professor**About**Interested In Research Field of
Ground Water, Fuzzy Logic, Mathematical
Modelling of Ground Water**Research Paper**

National Journal	01
International Journal	04
National Conference	02
International	02
Books Published	00
Patents	--
Invited as Resource Person	01
Guided PhD	--

NIL

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Mathematical Model for Prediction of Flood of River Basin.

Awards and Recognition

- ◆ Reviewer of International Journal of Environmental Engineering and Management Journal (<http://omicron.ch.tuiasi.ro/EEMJ/>) university of Lasi,Romania.
- ◆ Reviewer of International Journal of Water Management Springer Publication.
- ◆ First prize in EDC in Spring Fest,2012 IITKharagpur.

Recent Five Publications

- Incorporating community detection and clustering techniques into collaborative filtering model
- Measuring disruption from software evolution activities using graph-based metrics .
- Empirical study of software evolution using community detection .
- Probabilistic approach for epistemic analysis of lake tapping of koyna dam for future forecasting.
- Database Keyword Search: A Perspective from Optimization .

Assistant Professor

Name of Faculty

Mr. Avadhut Sitaram Kulkarni

Department and Designation

Civil Engineering
Assistant Professor

Domain

Construction Technology & Management

Qualification

B.Tech. (CWM), M.Tech.(CTM)

About

Interested in responsible job with an opportunity for professional growth and to acquire a position that provides me the opportunity to bring my technical expertise, problem solving skills and willingness to

Mr. Avadhut Sitaram Kulkarni
Civil Engineering



Research Paper

National Journal	—
International Journal	02
National Conference	—
International	01
Books Published	—
Patents	—
Invited as Resource Person	01
Guided PhD	—

NIL

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ “Use of Construction Demolition Waste in Pavement”, International Journal of Advanced Research in Science, Engineering and Technology, Vol. 4, Issue 12 , December 2017.
- ◆ “Enhancement of Comfort in Built Environment: A Review”, “International Journal of Advance Research in Science and Engineering, Vol. 5, Issue 12 , December 2016.
- ◆ Paper presented in International Conference RICS COBRA, IIT Delhi on ‘Experimental investigation of thermal and visual Performance of windows glass material”, (September 2013).



Mr. Kailas K Biradar
Assistant Professor

Name of Faculty

Mr. Kailas K Biradar

Department and Designation

Civil Engineering
Assistant Professor

Domain

Geotechnical Engineering

Qualification

B.E(Civil), M.Tech.(GTE)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	01
National Conference	01
International Conference	01
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

NIL

Awards and Recognition

- ◆ Registered for PhD in the year 2017-18 under Vishveswarayya technological University, Belagavi.

Recent Five Publications

- ◆ Presented paper in 2 days, 5th International Conference on Recent Trends in Engineering, Science & Management (ICRTESM 16), ISBN No: 978-93-86171-12-2. **Topic** : Regression analysis of remoulded soil sample in relationship with coefficient of consolidation and index properties.
- ◆ Published paper in International Journal for scientific research & development, ISSN (online) : 23210613. **Topic**: Properties of Subgrade soil using plastic wastes



Ms. Savita Magadam
Civil Engineering
Assistant Professor

Name of Faculty

Ms. Savita S. Magadam

Department and Designation

Civil Department
Assistant Professor

Domain

Structural Engineering

Qualification

B.E(Civil), M.E.(Structure)

About

To obtain professional and financial heights, both for the organization and self, through skill and knowledge and learn from presents as well as establishment also.

Research Paper

National Journal	--
International Jour-	01
National Conference	02
International	01
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ 3rd International Conference on "Latest Concepts in Science, Technology and Management on "Behavior of Elevated Water Tank under Seismic Forces "

Name of Faculty

Col B K Bhonde

Department and DesignationCivil Engineering
Assistant Professor**Domain**

Construction and Management

Qualification

B.E(Civil), M.E.(C&M)

About

Is interested in challenging assignments that gives me better exposure to my skills and abilities and to be part of a challenging and growing organization.



Col B K Bhonde
Civil Engineering
Assistant Professor

Research Paper

National Journal	--	NIL
International Journal	01	
National Conference	01	
International Conference	00	
Books Published	00	
Patents	--	
Invited as Resource Person	01	
Guided PhD	--	

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Fellow of Institute of Engineers ,Calcutta
- ◆ Associate Member of American Society of Civil Engineers
- ◆ Life Member of Institute of Military Engineers

Recent Five Publications

- ◆ Investigating delay analysis techniques to developing their appropriate frame work for improving their proper usage and reduce frequent delay claims resolu-tion difficulties
- ◆ Construction equipment fleet management
- ◆ Energy simulation in buildings
- ◆ Study and application of line of balance method for mivan construction in resi-dential project.

Mrs. Sharmistha Chakraborty
Civil Engineering

Research Paper

National Journal	--
International Journal	02
National Conference	0
International Conference	05
Books Published	01
Patents	--
Invited as Resource Person	00
Guided PhD	--

Name of Faculty

Mrs. Sharmistha Chakraborty

Department and Designation

Assistant Professor
Civil Engineering

Domain

Structural Engineering

Qualification

B.Tech (Civil Engg) M.Tech (Structural Engg)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.



Patents

NIL

Details of Products (Developed/ Ongoing)

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of International society for research and development. Membership number:M4150904019

Recent Five Publications

NIL

Mr. Sunil J. Payghan
Civil Engineering
Assistant Professor

Research Paper

National Journal	--
International Journal	05
National Conference	01
International Conference	03
Books Published	—
Patents	--
Invited as Resource Person	01
Guided PhD	--

Name of Faculty

Mr. Sunil J. Payghan

Department and Designation

Civil Engineering
Assistant Professor

Domain

Structural Engineering

Qualification

B.E(Civil), M.E.(Structural Engineering)

About



Intend to build a career with leading organization with committed and dedicated people, which will help me to explore myself fully and realize my potential. Willing to work as a key player in challenging and creative environment.

Patents

NIL

Developed

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Associate Member of Institute of Engineers AM-167717-1
- ◆ Member of International Association of Engineers (IAENGG), Membership No: 216510
- ◆ Member of International Society of Research & Development M-4150904015
- ◆ Session Chair at National Level Paper Presentation at COET Akola in 2015

Recent Five Publications

- ◆ Mr. Sunil J. Payghan, Dr. Abhinandan Gupta - Analysis and Design of underground Rectangular RCC Tunnel. In International Journal Of Pure And Applied Research In Engineering And Technology.(ISSN:2319-507X) Published.
- ◆ Mr. Sunil J. Payghan, Mr. K. N. Zamare -A Vision for sustainable Construction: Zero energy building ISSN 2319-507 X Volume 4 Issue 8 April 2016 Published.
- ◆ Mr. Sunil J. Payghan_ Analysis of Underground Road Tunnel subjected to seismic force. ISSN (O) 2319-8354 Volume 5 Issue 12 Dec. 2016 Published.
- ◆ Mr. Sunil J. Payghan, Mrs. Mira Shah- Vulnerability evaluation and management technique for critical bridges towards explosion. ISSN: 2319-507 X IJPRET Volume 6(2), Oct. 2017 Published.
- ◆ Mr. Sunil J. Payghan, Mrs. Mira Shah-Cost Saving Associated to reduced travel time by providing dynamic ride sharing: Case Study of Kalupur- Income tax Stretch, ISSN: 2319-507 X IJPRET Volume 6(2) Oct. 2017 Published.

Name of Faculty

Mrs. Ashwini Satyajit Nangre

Department and Designation

Civil Engineering Department

Domain

Structural Engineering

Qualification

B.E Civil, M.E. Structure

About

She has total 13 years of experience of design experience for various projects located in United Kingdom, Middle East, Australia, New Zealand and India. Over ten years has worked with MWH GLOBAL

Mrs. Ashwini Nangre

Civil Department

Assistant Professor

**Research Paper**

National Journal	01	NIL
International Journal	02	
National Conference	02	
International Conference	01	NIL
Books Published	00	
Patents	--	NIL
Invited as Resource Person	—	
Guided PhD	--	

of Sponsored Projects**Details of Products (Developed/ Ongoing)****Awards and Recognition**

- ◆ Chartered Engineer from Indian Institute of Engineers
- ◆ Associate Member of Indian Institute of Engineers AM0989757
- ◆ Graduate member of ISTRUCTE, United Kingdom, membership no. 078374307
- ◆ Life member of Indian Society For Technical Education (ISTE)
- ◆ Recognition for UK Project S
- ◆ Recognition for Australia –APLNG Project
- ◆ **STAAD Pro** Training by Bentley Systems India Pvt. Ltd at Pune office, 2007

Recent Five Publications

- ◆ A study of seismic analysis considering sloshing in rectangular tank with and without baffle wall, published in - International Journal for Science and advance Research in Technology | Vol. 3, Issue 05, May 2017 | ISSN (online): 2395-1052
- ◆ Hydrodynamic Forces Acting In Rectangular Tank With And Without Baffle Walls.” published in - International Journal of Advanced Engineering Research and Applications | Vol. 5, Issue 03, July 2017 | ISSN (online): ISSN: 2454-2377



Mr. Hardik S. Mandwe

Civil Engineering
Assistant Professor

Name of Faculty

Mr. Hardik S. Mandwe

Department and Designation

Civil Engineering
Assistant Professor

Domain

Structural Engineering

Qualification

B.E(Civil), M.Tech (Structural Engineering)

About

Working as Assistant Professor in D Y Patil College of Engineering Akurdi.
Teaching Experience - 3 Years Area- SOM, SA-I, SA-II, SD-I, SD-II, SD-III, EM.

Research Paper

National Journal	--
International Journal	--
National Conference	-
International Conference	-
Books Published	-
Patents	-
Invited as Resource Person	-
Guided PhD	-

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

◆ Life Time Member of Indian Society of Technical Education LM 120785.

Recent Five Publications

NIL

Name of Faculty

Ms. Rohini Khandelwal

Department and DesignationCivil Engineering
Assistant Professor**Domain**

Structure

Qualification

B.E(CE), M.E.(CE)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Ms. Rohini KCivil Engineering
Assistant Professor**Research Paper**

National Journal	--
International Journal	00
National Conference	01
International	01
Books Published	00
Patents	--
Invited as Resource Person	00
Guided PhD	--

NIL

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of Institution of engineers (india) membership no AM1677215

Recent Five Publications

- ◆ IJSTM Volume 2, Issue 12 Dec 2016 'Elastic Behaviour of building subjected to earthquake load
- ◆ The 1st National P. G. Conference RIT NCon PG- 2015 'Evaluation of Height Ra-tio for Maximum Stiffness in Multi-storeyed RC building Frame



Mrs.Aradhana Chavan

Civil Engineering
Assistant Professor

Name of Faculty

Mrs. Aradhana Chavan

Department and Designation

Civil Engineering
Assistant Professor

Domain

Construction Management

Qualification

B.E(Civil), M.E.(CM)

About

Is interested in Construction Management filed, with skill development which will help organization have more skilled based knowledge

Research Paper

National Journal	--
International Journal	04
National Conference	—
International	-
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Associate Member of ACCE Journal (Association Of Consulting Civil Engineers)

Recent Five Publications

- ◆ IJSART, Vol 4, issue 4 2018: Study of factors for Cost Overrun in Road Construction Projects
- ◆ IJIRSET, Vol 7, Issue %, May 2018: Experimental and Comparative Study of Beams Strengthen with Traditional Techniques (CFRP) and NDT



Mr. Sagar Katwa

Civil Engineering
Assistant Professor

Name of Faculty

Mr. sagar Katwa

Department and Designation

Civil Engineering

Assistant Professor

Domain

Strutural Engineering

Qualification

B.E (Civil), M.Tech (Structures)

About

Worked as Jr. Structural Engineer for 1 year at Rahul Darvekar & Associates, Pune. Worked as Asst Prof for 1 year at DYP-COE&I, Talegaon, Pune. Working as Asst Prof at DYPCOE, Akurdi, Pune.

Research Paper

National Journal	00
International Journal	01
National Conference	00
International	00
Books Published	00
Patents	--
Invited as Resource Person	00
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

ISTE Life member

Recent Five Publications

- ◆ Sagar Katwa, "Seismic Analysis of buildings with Vertical Geometric Irregularities" IJSRD, International Journal for Scientific Research & Development | Vol. 6, Issue 04, 2018 |ISSN (online): 2321-0613

Name of Faculty

Ms. Bhagyashri D. Pardeshi

Department and Designation

Civil Engineering

Assistant Professor

Hydraulic Engineering

Domain**Qualification**

B.E (Civil), M.E.(Hydraulics)

About

4 years of experience in Teaching Field

Teaching to Second Year

Subject - i) Surveying

**Ms. Bhagyashri D. Pardeshi**Civil Engineering
Assistant Professor**Research Paper**

National Journal	00
International Journal	00
National Conference	01
International Conference	00
Books Published	00
Patents	--
Invited as Resource Person	01
Guided PhD	--

NIL

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ Paper Published in Post Graduation Conference—2017 named “Physical Model Study for Reduction of Solids & Turbidity of Thermal Power Effluent using Different Operative Mechanism”



Ms. Supriya Patil

Civil Engineering
Assistant Professor

Name of Faculty

Ms. Supriya Mohanrao Patil

Department and Designation

Civil Engineering

Domain

Water Resources Engineering

Qualification

B.E (Civil), M.E.(WRE)

About

I have Worked on Pipe Network Analysis by using Water Gems software & continuing Research in it.

I have One year experience in teaching & Subjects taught are Fluid Mechanics , Basic Civil Engineering.

Research Paper

National Journal	00
International Journal	01
National Conference	00
International	00
Books Published	00
Patents	--
Invited as Resource Person	00
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ Supriya Patil, R. M. Damgir: Hydraulic Modelling of Water Distribution System with Reference to Technical Sustainability by using Water Gems: IJIRSET, ISSN (Online): 2319-8753, Vol. 6, Issue 6, June 2017, Status: Published



DEPARTMENTAL RESEARCH ACTIVITIES



Department of Civil Engineering gives emphasis on quality research through BE projects. Many projects group has worked on the practical problems and their solution through experimental studies based on the development of experimental set ups and models. Few of them are as mentioned below:

Comparative study of bamboo reinforced slab and steel reinforced slab by experimental method

Bamboo is the strongest natural fiber material economically available abundantly. The applications of bamboo reinforced concrete technology is rarely applied to field due to non-availability of standards and non-acceptance of bamboo as a alternative material to replace steel. Standards available on structural use of bamboo does not clearly state design procedure due to lack of research data on prototype structures of bamboo. Therefore, this research work is undertaken to demonstrate testing of bamboo reinforced slab panels. In this project, six slabs of size 1m x 1m x 0.07 m using M30 concrete reinforced with bamboo splints of 1/4th diameter casted A permanent testing frame made of structural steel section ISMB 100 was fabricated for testing of slab panels. Uniformly distributed load was applied by means of paving blocks in fixed intervals. The corresponding deflection was observed by means of a dial gauge placed below the slab. Unloading was done in the same intervals. Crack pattern due to applied load was noted. It was concluded that the slabs have taken considerable load upto 26 KN.



Manufacturing and Testing of Plastic Tiles

In view of reducing land pollution and making best from waste, this project is undertaken. Also, contribute environmental decontamination. The main purpose of this project was to provide alternative to other traditional building technologies that consumes non-renewable resources and produce negative environmental impact. In this project three samples of tiles size 300x300 mm were made by using a mold of 300x300x15mm. These tiles were tested for flexural and abrasion test. It is found that the strength of these tiles is more than ordinary tiles.



Center of Excellence for Sustainable Construction Material

Proposed Center of Excellence for Sustainable Construction Material

The Center of Excellence will encourage Students and companies to incorporate the latest research and technological innovations to promote more sustainable construction material throughout the region.

It will strive to reduce impact on the environment and provide a long term durable solution for the conservation of environment.

The activities within the center will include: the reduction of carbon emissions in the delivery and maintenance of new construction projects; the selection of materials and components for low carbon building; traditional low energy materials (lime, earth); construction technology for 'green' buildings; the impact of CO₂ in maintenance interventions and approaches to repair of existing buildings; and monitoring and characterisation of civil engineering materials both at the micro and macro scale including concrete durability.

Centre of excellence will establish association with pioneer institutes and companies to explore great opportunities, funding and research projects.

Centre of Excellence will give emphasis on the establishment of state of art research laboratories.

Technical Training Sessions can be arranged:

Expert Lecture on innovation in sustainable construction materials and technology.

Six Sigma Course on Material procurement and handling.

Market research on need and development of Sustainable Construction Material.

Students will participate in Students Exchange Program.

Hands on training on Material testing and development of substitute sustainable construction material.

Experts:

Mr. Cyrus M. Dordi (Consultant, [Ambuja Cements Limited](#))

Mr. Mahendra Parekh (Consultant, Mac Engineers)

Dr. N. Subramanian (Consulting Engineer)



Computer Engineering



Department of Computer Engineering has an assemblage of versatile and experienced faculties imbuing insight intelligence which smack proximity with current research trends and upcoming technologies, offering the students a lifetime knowledge through various academic activities along with technology awareness.

A global perspective is essential to open innovation. The dramatic progress of the information-communications revolution based on the Internet is bringing about massive and sudden changes in social trends and Knowledge base. To stay one step ahead of these changes and continue to provide outcome based teaching -learning, Research and development is the need of the hour. At the same time, the effects of rapid technological progress on social systems and the global environment can no longer be ignored. When seeking out results from R&D, it is essential to give due consideration to the global technological requirements.

This vision is to be embodied by an R&D roadmap that views the present from ten years ahead and views the future from the present. This roadmap will serve as a standard for technology management driving, information sharing and technology development through -out.

While continuing to cultivate the R&D of cutting-edge technologies that drive the evolution of the information and communications technology (ICT) infrastructure, we need to plan creation of ubiquitous technologies to revolutionize Teaching learning approach.

Dr. Mrs. Neeta A. Deshpande

Associate Professor & HOD



Dr. Mrs. N.A. Deshpande
Computer Engineering
Asso. Professor & HOD

Name of Faculty

Dr. Mrs. Neeta A .Deshpande

Department and Designation

Computer Engineering
Associate Professor & HOD

Domain

Image Processing, Data Mining, Artificial Intelligence

Qualification

PhD (CE), M.E.(CE)

About

To exhibit my efforts in viable environment towards organization's excellence. To undertake motivating and challenging tasks in administration and academics.

Research Paper

National Journal	--
International Journal	26
National Conference	07
International Conference	09
Books Published	06
Patents	--
Invited as Resource Person	20
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

Designing Robust Algorithm for Audio Watermarking ,SPPU grant : 3.5 Lakhs

Details of Products (Developed/ Ongoing)

Online Feedback System Copyright IPR Diary Number 13847/2017—CO/L

Awards and Recognition

- ◆ Awarded the Lady Engineering Achievement award by Institution of Engineers on Engineers day 2015.
- ◆ Appreciation award for proficiency in work by the hands of Vice chancellor SPPU for cPGCON 2014, a mega event of Post Graduate students.
- ◆ Elsevier Publications of Proceedings of Post Graduate conference in Computer Engineering in 2014.

Recent Five Publications

- ◆ Neeta Deshpande, "Dual Tree Complex Wavelet Transform based Robust Video Watermarking", International Journal of Advanced Computer Engineering, Vol: 10 (9), PP 303-314, (2017), ISSN: 0974-5572 (Scopus Indexed Publication)
- ◆ Neeta Deshpande, "Robust Invisible Video Watermarking Using Log Gabor Mask ",International Journal of Advanced Computer Engineering, Vol: 10 (9), PP 315-326, (2017), ISSN: 0974-5572 (Scopus Indexed Publication)
- ◆ Neeta Deshpande, "View management approaches for labelling in Augmented Reality: A survey ",International Journal of Advanced Computer Engineering, Vol: 10 (9), PP 619-629, (2017), ISSN: 0974-5572 (Scopus Indexed Publication)
- ◆ Neeta Deshpande, Rahul Pawar, "Attainment of Course Outcome - An empirical case study for Outcome based Education ",Journal of Engineering Education Transformations (JEET), Vol: 30 (3),PP 213-218, (2017), ISSN (Print): 2394-1707.
- ◆ Neeta Deshpande, "Feature Learning and Collaborative Tagging Using Non-Personalized Social Media Images and Tag", "International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE),vol:6(5), PP: 5923-5930 ,(2018).ISSN (Online): 2320-9801.



Dr. Kailash Shaw

Computer Engineering
Associate Professor

Name of Faculty

Dr. Kailash Shaw

Department and Designation

Computer Engineering
Associate Professor

Domain

Data Mining, Bio-Informatics, Artificial Intelligence, Bio-Inspired Algorithms

Qualification

B.E(CSE), M.Tech (CSE), Ph.D (CSE)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	25
National Conference	02
International Conference	06
Books Published	00
Patents	02
Invited as Resource Person	02
Guided PhD	--

Patents (Filed / Published)

- ◆ Patent ID #1: 201721031984 A (2017): Fair Seat Allocation System and Passenger Security System in Public Transport , Dr. Kailash Shaw, Mr. Niket Bhatambher, Dr. P Malathi
- ◆ Patent ID #2. 201721043750 A (2018): Mapping Larger Panoramic Image through Multiple Drone. Dr. Kailash Shaw, Mr. Rahul Pawar, Mr. Suraj Kurde

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Hearing APP Development (Ongoing)

Awards and Recognition

- ◆ Best Paper award in ICETSET 2018 Conference, 2018 & 2012.
- ◆ Visweswarya Prativa Puraskar in recognition for my outstanding performance in research activity under SOA University, BBSR
- ◆ Associate Editor , IJACTE - International Journal of Advanced Computer Theory & Engineering ISSN 2319-2526.
- ◆ Regular Reviewer of Elsevier Journals - INS, JKSS, Karbala. Inderscience Journals, IEEE.

Recent Five Publications

- ◆ Chaudhary P., Shaw K., Mallick P.K. "A Survey on Image Enhancement Techniques Using Aesthetic Community "Advances in Intelligent Systems and Computing, vol 632. Pp 585-596, Springer, Singapore, doi.org/10.1007/978-981-10-5520-1_53, Print ISBN: 978-981-10-5519-5
- ◆ Roomana Hasan, Kailash Shaw, "Medical Data Privacy and Disease Prediction Using Advance Encryption and Machine Learning Approach", International Journal of Pure and Applied Mathematics Volume 118 No. 24 2018, 1314-3395. (Scopus indexed publication)
- ◆ PP Dahake, K Shaw, P Malathi, "Speaker dependent speech emotion recognition using MFCC and Support Vector Machine", Automatic Control and Dynamic Optimization Techniques, IEEE, 2017, 978-1-5090-2080-5.
- ◆ Smita Shedbale, Kailash Shaw, " Filter Feature selection Approaches for Automated Text Categorization", Community", IJCTA, 2017, 0974-5572.
- ◆ Kaberi Das, Debahuti Mishra, Kailash Shaw, " A metaheuristic optimization framework for informative gene selection", Informatics in Medicine Unlocked, Elsevier, Vol 4, pp. 10-20, 2016, 2352-9148.



Dr. Vinayak G. Kottawar
Computer Engineering
Associate Professor

Name of Faculty

Dr. Vinayak Gajanan Kottawar

Department and Designation

Computer Engineering
Associate Professor

Domain

Information Retrieval, Pattern Recognition

Qualification

B.E(CE), M.E.(CE) , Ph.D. (CE)

About

To use the best of my experience and knowledge with honesty and sincerity for the growth of the Organization and to strive for multifaceted growth with dedication, discipline and ethics.

Research Paper

National Journal	--
International Journal	06
National Conference	02
International Conference	04
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

Received a Grant of Rs. 25 Lakhs from Board of research for Nuclear Sciences (BRNS) for the Development of an Automated System for Musculo-skeletal Image Analysis and Interpretation for Quicker Diagnosis

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ Presented paper in IEEE International Conference on Intelligent Systems and Information Management (ICISIM), May 2017, with ISBN No: 978-1-5090-4264-7 Topic : Automatic articular cartilage segmentation with multiple models Present
- ◆ Presented paper in IEEE International Conference on Intelligent Systems and Information Management (ICISIM), May 2017, ISBN No: 978-1-5090-4264-7 Topic : Extraction of whole and torn meniscus in MRI images and detection o meniscal tears
- ◆ Presented paper in IEEE International Conference on Computer and Communications Technologies (ICCCT), Jan 2017,ISBN Number :978-1-4799- 8150-2 Topic: Moment preserving technique for color feature extraction in content based image retrieval
- ◆ Published paper in I.J.C.T.A. International Science press, April 2017. ISBN No: - 2229-6093. Topic : Extraction of Menisci and Detection and Characterization of Meniscal Tears in M.R.I. Images
- ◆ Published paper in International Journal of Science and Research, June 2017 ISBN No : 0975-8887 Topic : Scene Text Recognition Using Part Based Tree Structured Models and Linguistic Knowledge



Mrs. Dhanashree Phalke

Computer Engineering
Asst. Professor

**Name of Faculty Department
and Designation**

Mrs. Dhanashree Ajay Phalke
Computer Engineering
Assistant Professor

Domain

Data Mining, Video Processing

Qualification

B.E(CSE), M.E.(CE), PhD Pursuing

About

Is sincere and dedicated to utilize an opportunity where my skills and knowledge will be added to the challenging and growing organization.

Research Paper

National Journal	--
International Journal	44
National Conference	06
International	19
Books Published	--
Patents	--
Invited as Resource Person	02
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

Co-investigator of Project: Malware detection on linux powered smartphones

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of Indian Society for Technical Education (ISTE), Life Membership No: LM 34932
- ◆ Member of International Association of Engineers (IAENG), Hong Kong. Membership No: 186941
- ◆ Member of Computer Science Teacher Association (CSTA), New York, Membership No: 55016455
- ◆ Member of Computer Society of India (CSI), Membership No: N1202401
- ◆ Member of Internet Society (ISOC), Membership No: 154437.

Recent Five Publications

- ◆ Sentiment Analysis with Multilayer Perceptron using Emoticon Space Model, International Journal of Advance Engineering and Research Development (IJAERD) UGC Approved, DOI: 10.21090/IJAERD.2017Vol: 4, Issue: 7, Pp No.: (410-419).
- ◆ Source camera based image retrieval from Internet using Simplified Total Variation, International Journal of Advance Engineering and Research Development (IJAERD), July-18, Vol: 4, Issue: 7, Pp No.: (420-426).
- ◆ Optimize Video Encryption for Transmission, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), May-18, DOI:10.15680/IJIRSET.2018.0705196, Vol: 7, Issue: 5, Pp No.: (6142-6146).
- ◆ Inference Attack on Users Browsing History with friend recommendation system in Twitter, International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCCE), May -18, DOI: 10.15680/IJIRCCCE.2018.0605060Vol.: 6, Issue: 5, pp. No: (5414-5423).
- ◆ Survey on Inference Attack on Users Browsing History with friend recommendation system in Twitter, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Jun-18, DOI:10.15680/



Mrs. Vaishali Kolhe
Computer Engineering
Assistant Professor

Name of Faculty

Mrs. Vaishali Kolhe

Department and Designation

Computer Engineering
Assistant Professor

Domain

Data Mining, Soft Computing

Qualification

B.E(Comp Tech), M.E.(CE)

About

I am looking forward for a career in an organization that offers me challenges, high degree of responsibilities, varying exposures and opportunities to learn and enhance my skill

Research Paper

National Journal	--
International Journal	53
National Conference	02
International	07
Books Published	—
Patents	--
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

Life Membership of ISTE. (Membership No :LM 56227)

Recent Five Publications

- ◆ Published paper in International Journal of Academic Research and Development, May 2018, ISSN No 2455-4197. Topic: A survey on image scrambling encryption technique.
- ◆ Published paper in International Journal of Innovative Research in Computer and Communication Engineering, May 2018, ISSN No 2320-9801. Topic: Providing Protection on Cloud Video Surveillance using blowfish algorithm.
- ◆ Published paper in International Journal of Applied Science And Computations, June 2018, ISSN No 0076-5131. Topic: Majority Vote Point Classification of Network Data based on Multivariate Correlation Analysis
- ◆ Published paper in International Journal of Advance Research and Innovative Ideas in Education, June 2018, ISSN No 2395-4396 . Topic: Event Information Extraction From E-Mail And Updating Event In Calendar
- ◆ Published paper in International Journal For Scientific Research And Development, June 2018, ISSN No 2321-0613. Topic: Survey on Hand Gestures Recognition using Leap Motion Controller



Mrs. Soudaminie Somvanshi
Computer Engg
Assistant Professor

Name of Faculty

Mrs. Soudaminie Somvanshi

Department and Designation

Computer Engg.
Assistant Professor

Domain

Computer Programming, Algorithms

Qualification

B.E(CSE), M.E.(Computer)

About

Research Paper

National Journal	--
International Journal	22
National Conference	7
International Conference	26
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of Association of Computer Machinery (ACM) , New York

Recent Five Publications

- ◆ Published paper in 'Circulation in Computer Science' with ISSN No: 2456-3692. **Topic:** Secure Examination Management System for M-Learning
- ◆ Published paper in 'International Journal Of Advance Research And Innovative Ideas In Education' with ISSN No: 2395-4396. **Topic:** Digital Tourist Guide System
- ◆ Published paper in ' International Journal of Engg. And Computer Science ' with ISSN No: 2319-7242. **Topic:** Survey on Android application for power efficiency in private cloud
- ◆ Published paper in ' Ictact Journal On Communication Technology ' with ISSN No: ISSN: 2229-6948. **Topic:** Acoustic Speech Recognition For Marathi Language Using Sphinx
- ◆ Published paper in ' IOSR Journal of Mobile Computing & Application (IOSR-JMCA ' with ISSN No:2394-0042. **Topic:** Power Saver: Energy Efficiency for Smartphone Using Sensors



Ms. Deepali Gohil
Computer Engineering
Assistant Professor

Name of Faculty

Mrs. Deepali Mahesh Gohil

Department and Designation

Computer Engineering,
Assistant Professor

Domain

Networks

Qualification

ME Computer, PhD Pursuing

About

I am having 12 Years of teaching experience and interested to work on projects in the field of IoT.

Research Paper

National Journal	--
International Journal	30
National Conference	02
International Conference	04
Books Published	01
Patents	--
Invited as Resource Person	02
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of International Association of Engineers (IAENGG), Hong Kong.
- ◆ Member of California Science Teachers Association
- ◆ Lifetime member of ISTE

Recent Five Publications

- ◆ Ms. Ashwini Athawale, Mrs. Deepali Gohil, "Spam Detection on Collection of Twitter Data Using Naive Bayes Algorithm", International Journal of Innovative Research In Science, Engineering And Technology, Vol. 7, Issue 6, June 2018.
- ◆ Ms. Deepali Gothawal, Dr. S.V.Nagaraj, "Security Issues in IoT Layers and Its Applications: A Review, International Journal of Pure and Applied Mathematics, Vol. 7, Issue 6, June 2018.
- ◆ Ms. Ashwini Athawale, Mrs. Deepali Gohil, "Survey On Various Unsupervised Learning Techniques For Anomaly Detection", International Journal Of Innovative Research In Computer And Communication Engineering, Vol. 6, Issue 5, May 2018.
- ◆ Ms. Puja B. Patil, Mrs. D. B. Gothawal, "Energy Efficient Human Activity Recognition Using Hybrid Mobile Application Development Approach", International Journal On Emerging Trends in Technology, Volume 4, Special Issue, July 2017.
- ◆ Ms. Priyanka Deokar, Ms. Deepali Gothawal, "Selfish Node Detection In Packet Routing For MANET Using Global Watchdog", International Journal of Advance Engineering and Research, Development, Volume 4, Issue 7, July 2017.



Ms. Dipalee A. Chaudhari/Rane
Computer Engineering
Assistant Professor

Name of Faculty

Ms. Dipalee A. Chuadhari/Rane

Department and Designation

Computer Engineering

Assistant Professor

Domain

Software Testing, Algorithms, Internet of Things

Qualification

B.E(CSE), M.E.(CE), PhD Pursuing

About

To strive for the betterment of an organization by utilizing my best of knowledge towards the overall growth of students.

Research Paper

National Journal	00
International Journal	20
National Conference	03
International Conference	02
Books Published	—
Patents	01
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

Patent Id #1: 201821015566 : “Secure Health Care System“, Published.

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Student Branch Counselor (SBC) for Computer Society of India (Institution Membership Number I01993)
- ◆ Member of International Association of Engineers (IAENG). Membership No: 186921
- ◆ Life Member of Internet Society for Technical Education (ISTE)
- ◆ Completed Certification in NPTEL for “Outcome based Pedagogical Activities”2018-19

Recent Five Publications

- ◆ Published paper in 6th International Conference on Recent Trends in Engineering & Technology (ICRTET 2018) with E-ISBN no: 78819371821 . **Topic** : Survey on Information Retrieval Query on cloud Data
- ◆ Published paper in International Journal of Advanced Trends in Technology, Management and Applied Science (IJTTMAS) ISSN No: 2454-5678 . **Topic** : Prediction of Presence of Heart Disease Using Wearable Device
- ◆ Published paper in International Journal of Advanced Trends in Technology, Management and Applied Science(IJTTMAS) ISSN No.:2454-5678 ”. **Topic**: Survey on Smart Swim Aqua Monitor
- ◆ Published paper in International Engineering Research journal (IERJ) with ISSN No.:2395-1621 . **Topic** : Review paper on Multi Keyword top -K Search over encrypted cloud Data
- ◆ Published paper in International Journal of Advance Engineering and Research Development with ISSN No.:2348 - 4470 . **Topic** : Adaptive Cooperation Between Multiple Devices using Business Patterns in CoT cloud Data



Mrs. Shanthi Kumara-guru
Computer Engineering
Assistant Professor

Name of Faculty

Mrs. Shanthi Kumaraguru

Department and Designation

Computer Engineering
Assistant Professor

Domain

Image Processing, Wireless Sensor Networks

Qualification

B.E(ECE), M.E.(Electronics) ,Phd Electronics
(Pursuing)

About

Teaching experience of 17yrs

Research Paper

National Journal	--
International Journal	11
National Conference	03
International Conference	03
Books Published	—
Patents	--
Reviewer	03
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

1. Reviewed IEEE conference-2016 papers conducted by COEP, Pune. and Reviewer for cPGCON twice in years 2015 and 2016.
2. Session Chair for cPGCON -2016.
3. Received Students' Feedback as A+ in every year

Recent Five Publications

- ◆ Image Classification using Naive Bayes Model for Deep Head Pose Estimation (IJAERD -Volume 4, Issue 6, June -2017)
- ◆ Fuzzy Keyword Search for MultipleData Owners in Cloud Computing(IJAERD - Volume 4, Issue 6, June -2017)
- ◆ Remote Automated Cataract Detection System based on Fundus Images(IJIRSET Journal 15th June-2016,Volume 5, Issue 6)
- ◆ Friend Recommendation using FLDA Topic Assignment Model in Microblogging System(IJIRCCE Journal May-2016 ,volume 4, Issue 5)
- ◆ Efficient Road Detection and Tracking for Unmanned Aerial Vehicle in Urban Area(IJIRSET Journal 15th June-2016,Volume 5, Issue 6)



Mrs. Nilam S. Patil
Computer Engineering
Assistant Professor

Name of Faculty

Mrs. Nilam S. Patil

Department and Designation

Computer engineering
Assistant Professor

Domain

Data Mining ,System Programming

Qualification

ME(Computer Engg). Pursuing PhD

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	18
National Conference	02
International	09
Books Published	00
Patents	--
Invited as Resource Person	00
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Recognized as BRONZE Partner Faculty under Inspire-Campus Connect Faculty Partnership Model of Infosys in 2018
- ◆ Life Member of Indian Society of Technical Education(ISTE) : Membership No:LM76310
- ◆ Member of International Association of Engineers (IAENG): Membership No: 214500
- ◆ Elite Certification in NPTEL for “Outcome based Pedagogical Activities ” in 2018-19

Recent Five Publications

- ◆ Published paper in IEEE Conference on Advances in Signal Processing 2016 (CASP-2016) at Pune ,June 9-11,2016 , ISBN NO : 978-1-5090-0850-6 **Topic** :Proximity Based and Security Aware Rewarding System for Mobile Marketing
- ◆ Published paper in International Journal of advanced Engineering and Research and Development June 2017, Volume 4, Issue 6, ISSN 2348-4470 **Topic**: Privacy Preservation of Messages in Vehicular Adhoc Networks.
- ◆ Published paper in International Journal of advanced Engineering and Research and Development ,June 2017 , Volume 4, Issue 6 ,ISSN 2348-4470 **Topic** :Mining Opinion Targets and Opinion Words using Word Alignment model with Positive and Negative Reviews
- ◆ International Journal of Innovative Research in Computer and Communication Engineering (IRCCC),ISSN :2320-9801 Jan 2017,Volume 5,Issue 1 **Topic** : “Survey on Vehicular Adhoc Network Security”
- ◆ International Journal of Science and Research (IJSR), January 2017 ISSN :2319-7064 Volume 6, Issue 1 , **Topic** : Survey on Query Facet Mining Approaches



Mrs. Pallavi V. Ghaste

Computer Engg
Assistant Professor

Name of Faculty

Mrs. Pallavi Vivek Ghaste

Department and Designation

Computer Engg.
Assistant Professor

Domain

Computer Programming, Algorithms

Qualification

B.E(CSE), M.E.(Computer) PhD Pursuing

About

I am having 10 Years of teaching experience and interested to work on projects in the field of Machine Learning and AI.

Research Paper

National Journal	--
International Journal	18
National Conference	2
International	2
Books Published	—
Patents	--
Invited as Resource Person	1
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Life Member of ISTE New Delhi.
- ◆ Certification NPTEL (Machine Learning) 2017/18

Recent Five Publications

- ◆ Published paper in 'International Journals of Mathematics and Computing Techniques' with ISSN No: 2455-7994. **Topic:** A Review on high computational IOT device through splitting and concatenate approach. Jan-Feb 2018.
- ◆ Published paper in 'International Research Journal of Engineering and Technology (IRJET)' with ISSN No: e-ISSN: 2395-0056 **Topic:**-Implementation of High Computational Model Using Splitting and Concatenate Approach on Raspberry Pi May 2018
- ◆ Published paper in. International Journal of Innovative Research in Computer and Communication Engineering ISSN(Online): 2320-9801 ISSN (Print): 2320-9798 **Topic:** Efficient Parallel Mining Of Frequent Itemsets Using MapReduce in Hadoop May 2017
- ◆ Published paper in 'International Journal of Innovative Research in Science, Engineering and Technology ISSN:2319-8753 ISSN 2347-6710. **Topic:** Data Partitioning and Parallel Frequent Itemset Mining using Hadoop April 2017
- ◆ Published paper in 'International Journal of Engineering Science and Computing .DOI 10.4010/2016.1156 ISSN 2321 3361 **Topic:** Vulnerability Assessment using Logs as BIG DATA May 2016.



Mr. RAHUL Y PAWAR
Computer Engineering
Assistant Professor

Name of Faculty

Mr. Rahul Y Pawar

Department and Designation

Computer Engineering
Assistant Professor

Domain

Data Structures, Data Mining, Embedded Systems

Qualification

B.E.(CE), M.E.(CE)

About

To work in a focused and dynamic organization where I can prove and improve my skills and strengths and have a satisfaction of achieving the goals and objectives.

Research Paper

National Journal	--
International Journal	12
National Conference	02
International	05
Books Published	—
Patents	--
Invited as Resource Person	02
Guided PhD	--

Patents (Filed / Published)

1

Details of Sponsored Projects

Malware Detection on Linux Powered smartphones using machine Learning

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Got two bronze level Faculty partnership awards at Infosys campus connect for 2014-15 and 2015-16.
- ◆ Got 1, 00,000 sanction for research project from SPPU, Pune under BCUD scheme (2016-18).
- ◆ Research Paper Selected at JEET Journal in top 50 papers in January 2017.
- ◆ Published 2 Scopus indexed paper on Mobile security.
- ◆ Member of International Association of Computer Science and Information Technology (IACSIT), Singapore. Membership No: 80338718
- ◆ Member of International Association of Engineers (IAENGG), Hong Kong.

Recent Five Publications

- ◆ Published paper in International Research journal of Engineering & Technology (IRJET 2018), IRJET Publication with ISSN No: 2395 0056. **Topic** : Permission based malware detection mobile phishing using side attack.
- ◆ Published paper in International Journal of pure and applied mathematics IJPAM 2018, Academic Publication , ISSN No: 1311-8080 . **Topic** : Detection of malicious Applications on Linux Powered devices using SVM Classifiers.
- ◆ Presented paper in University Level National Conference Innovation 2017 Organized by University of Pune. **Topic**: Anomaly Detection on Linux Powered devices using machine learning.
- ◆ Presented paper in International Conference on Information Technologies and communication 2017, Chennai, India, . **Topic** : Survey on Malware detection techniques
- ◆ Published Paper in International Conference (ICEMESM-2017), At Nagpur, 2017, ISSN No : 2394-8299 **Topic** : Ontology Mapping Using Natural Language Processing for crop cultivation.



Mr Rahul K Ghotekar
Computer Engineering
Assistant Professor

Name of Faculty

Mr.Rahul K Ghotekar

Department and Designation

Computer Engineering
Assistant Professor

Domain

Wireless Sensor Network (WSN), Big Data

Qualification

B.E(I.T), M.E.(Computer)

About

To strive for the betterment of an organization by utilizing my best of knowledge towards the overall growth of students.

Research Paper

National Journal	--
International Journal	06
National Conference	01
International Conference	02
Books Published	—
Patents	01
Invited as Resource Person	03
Guided PhD	--

Patents (Filed / Published)

Mapping Larger Panoramic Image Through Multiple Drone ID:201721043750

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of “The Society of Digital Information and Wireless Communications (SDIWC)” Membership No: 16389
- ◆ Member of International Association of Engineers (IAENG). Membership No: 179838
- ◆ Member of Internet Society (ISOC) Membership ID: 145879
- ◆ Certification in NPTEL for “Outcome based Pedagogical Activities”2018-19
- ◆ Computer Science Teachers Association ID: 51614108

Recent Five Publications

- ◆ Published paper in International Conference on Emerging Trends and Research in Engg with ISSN(Mar 2017) No: 2320-8821. **Topic** : Review on the Challenges in Wireless Sensor Network .
- ◆ Published paper in International Journal of of Engg Education & Tech.(Apr 2017), ISSN No: 2320-883X. **Topic** : Review on the Challenges in Wireless Sensor Network
- ◆ Published paper in International Conference on Emerging Trends and Research in Engg with ISSN(Mar 2017) No: 2320-8821. **Topic** : Review on Sentiment Analysis
- ◆ Published paper in International Journal of of Engg Education & Tech. (. Apr 2017), ISSN No: 2320-883X. **Topic** : Review on Sentiment Analysis
- ◆ Published paper in International Journal of Emerging Technology and Computer Science (IJETCS) ISSN No: 2455-9954.(Dec 2016) **Topic** : Improve The Lifetime of Variable Node Power Through Load Balancing By Reducing The Overhead In Sensor Network



Mrs. Vidya Thorat
Computer Engineering
Assistant Professor

Name of Faculty

Mrs. Vidya Thorat

Department and Designation

Computer Engineering
Assistant Professor

Domain

Networking, Network Security

Qualification

B.E(CE), M.E.(CE)

About

Is interested in acquired knowledge and skills working in a environment, there by continuously growing and contributing to the main objectives of the organization.

Research Paper

National Journal	--
International Journal	08
National Conference	02
International	02
Books Published	00
Patents	--
Invited as Resource Person	00
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of Internet Society Professional body (IS). Membership No: 153312
- ◆ Member of International Society for Research and Development (ISRDR), Member-ship No: M4150903559
- Member of Indian Society for Technical Education (ISTE).
- ◆ Member of The Society of Digital Information and Wireless Communication (SDIWC), Membership No: 17614.

Recent Five Publications

- ◆ Published paper in International Journal of Advance Engineering and Research Development (IJAERD) , with e-ISSN (O): 2348-4470, p-ISSN (P): 2348-6406 . **Topic** : Computer-aided diagnosis: an approach for lung cancer detection.
- ◆ Published paper in ISAR - International Journal of Mathematics and Computing Techniques , with ISSN: 2455-7994. **Topic** : A Survey Paper on “Computer-Aided Diagnosis: An Approach for Lung Cancer Nodule Detection”.
- ◆ Published paper in International Journal of Advance research and innovative ideas in education, with ISSN (o): 2395-4396 . **Topic** : Digital Tourist Guide System
- ◆ Published paper in CIRCULATION IN COMPUTER SCIENCE An International, Professionally Refereed Scholarly Journal , with ISSN(o): 2395-4396 . **Topic** : Secure Examination Management System for M-Learning (SEMS).
- ◆ Published paper in International Journal of Computer Science Trends and Technology (IJCST), with ISSN: 2347-8578 . **Topic** : FRAPPE : Making Facebook More Secure

Name of Faculty

Mrs. Aditi A. Kalia

Department and DesignationComputer Engineering
Assistant Professor**Domain**

Computer Networks

Qualification

B.Tech (I.T) & M.E (Computer Engineering)

About

Interested in Research for Computer Networks and Artificial intelligence to upgrade the skills by learning the new technologies and share the knowledge with the students..

Mrs. Aditi A. KaliaComputer Engineering
Assistant Professor**Research Paper**

National Journal	--	NIL
International Journal	12	
National Conference	-	
International Conference	02	
Books Published	-	
Patents	--	
Invited as Resource Person	-	
Guided PhD	--	

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of Internet Society (ISOC), Membership ID: 144278.
- ◆ The Society of Digital Information and wireless Communication (SDIWC), Membership ID: 17653.
- ◆ The International Association of Engineers (IAENG).
- ◆ Indian Society of Technical Education (ISTE).

Recent Five Publications

- ◆ Machine Transliteration of English to Hindi : A Literature Survey. ISSN: 2320-9801 in International Journal of Innovative Research in Computer and communication Engineering (February 2017).
- ◆ Survey on Contribution of Live Face Recognition in video streaming. in International Journal of advanced research ISSN: 2320-5407 (March 2017).
- ◆ Survey on Finger Print Based Authentication System. SSN: 2319-8753 in international Journal of Innovative Science, Engineering and Technology.
- ◆ Review on the challenges on the Wireless Sensor Networks ISSN: 2320-883X (April 2017) in International Journal of Engineering Education and Technology.
- ◆ Review on the challenges on the Wireless Sensor Networks ISSN: 2320-8821 (April 2017) in International Conference on Emerging Trends and Research in Engineering.

Name of Faculty

Mrs. Suvarna K Kadam

Department and DesignationComputer Engg.
Assistant Professor**Domain**

Computer Programming, Algorithms

Qualification

B.E.(CSE), M.E.(Computer) PhD Pursuing

About

Pursuing PhD in ML (deep learning) at SPPU. Research interests in Computer Vision, Cognitive Sciences. Developed an EEG based prototypical wheelchair as part of PhD course work.

Mrs. Suvarna
K.Kadam
Computer Engg**Research Paper**

National Journal	--
International Journal	6
National Conference	3
International Conference	3
Books Published	—
Patents	--
Invited as Resource Person	2
Guided PhD	--

NIL

NIL

Sponsored Projects**Details of Products (Developed/ Ongoing)**

Online Feedback System

Awards and Recognition

- ◆ Gold Medal in NPTEL Certification Course (Outcome based Pedagogical Activities) 2018/19 Elite Certification NPTEL (Machine Learning) 2017/18

Recent Five Publications

- ◆ Review of Distributed Ledgers: The technological Advances behind cryptocurrency. In Proceedings - International Conference on Advances in Computer Technology and Management on 23rd – 24th February, 2018, Pune
- ◆ Ontology extraction for agriculture domain in marathi language using NLP techniques. ICTACT Journal on Soft Computing, Volume: 07, Issue: 01, pp 1359-1365 ISSN: 2229-6959 (online) DOI: 10.21917/IJSC.2016.0188
- ◆ "Data Distribution Handling on Cloud for Deployment of Big Data". International Journal on Cloud Computing: Services and Architecture (IJCCSA) Vol. 6, No. 3, June 2016 DOI: 10.5121/ijccsa.2016.6302
- ◆ Overview of Agriculture Domain Ontologies. International Conference on Recent Trends in Computing, Communication and Science (ICRTCCS) January 2016 At International Institute of Information Technology, Pune
- ◆ A survey paper on micro-environment Sensing Platform for Smartphones. In International Conference on Recent Trends in Computing, Communication and Science(ICRTCCS), January 2016 At International Institute of Information Technology, Pune



Ms. Vishakha A. Metre
Computer Engineering
Assistant Professor

Name of Faculty

Ms. Vishakha A. Metre

Department and Designation

Computer Engineering
Assistant Professor

Domain

Swarm Intelligence, Data Clustering

Qualification

B.E. (IT), M.E.(Comp. Engg.)

About

To excel in my field of specialization, to learn from my experience and prove to be an asset for the organization I serve.

Research Paper

National Journal	--
International Journal	07
National Conference	--
International Conference	05
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Reviewer of American Journal of Electrical and Comp. Engg (AJECE).
- ◆ Elite certification in NPTEL for "Outcome based Pedagogical Activities (2018-19) and programming in C++ (2017-18)
- ◆ BEST PAPER award in ICCUBEA-2017 IEEE- Pune Section, organized by PCCOE, Nigadi. and cPGCON-2014 at MCERC, Nashik.
- ◆ Received BRONZ Partner Faculty 2016 & 2017 Award under Infosys Inspire-The Campus Connect Faculty Partnership Model.
- ◆ Lifetime membership of ISRD (M4150903561), IAENG(1830219), ISOC (153353).

Recent Five Publications

- ◆ Published paper in IEEE Xplore (1st December 2017) ISBN: 978-1-5090-4264-7 **Topic:** Hierarchical document clustering based on cosine similarity measure.
- ◆ Published paper in ICCUBEA Conference Proceeding (17 August 2017) **Topic:** Optimization of Document Clustering using UNL Document Vector Generation and Swarm Intelligence.
- ◆ Published paper in ICINC Conference Proceeding (17 February 2017) **Topic:** Future Smart Cities using Big Data & Cellular Networks
- ◆ Published paper in IJCTT Volume 42 Number 1 December 2016 **Topic:** Challenges and Opportunities for Categorizing Big Video Data on the Web.
- ◆ Published paper in IJARST Vol 3, Issue 1, ISSN: 2347-8446 **Topic:** Survey on Secure Data Self-Destructing Scheme in Cloud Computing.



Vrushali U. Uttarwar
Computer Engineering
Assistant Professor

Name of Faculty

Mrs. Vrushali U. Uttarwar

Department and Designation

Computer Engineering
Assistant Professor

Domain

Computer Networking & security, MANETs

Qualification

B.E(CSE), M.Tech(CSE)

About

To seek excellence in my chosen field and develop my career as a successful Engineer in esteemed Institution, where there is an ample scope for an individual as well as for Institutional growth.

Research Paper

National Journal	--
International Journal	08
National Conference	03
International	03
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of society of Digital Information and Wireless Communication (SDIWC), Singapore. Membership No: 17622
- ◆ Member of International Association of Engineers (IAENGG), Hong Kong. Membership No: 179160
- ◆ Elite certification in NPTEL for “Outcome based Pedagogical Activities (2018-19)
- ◆ Certification in NPTEL for “programming in C “(2017-18)

Recent Five Publications

- ◆ Published paper International Journal of Scientific Research and Education), with ISSN No.- 2321-7545 . On 06/06/2018 **Topic** : Survey On Various Rout-ing Protocols For Effective Bandwidth Optimization in Manet
- ◆ Published paper in International Research Journal of Engineering and Technol-ogy (IJRET) in 2017 with e-ISSN:2395-0056 . **Topic** : User Preference Based Network Selection in Wireless Networks on 12/12/2017
- ◆ Presented paper in International Conference on Innovative Mechanisms for Industry Applications (ICIMIA) on 13/07/2017 with DOI: 10.1109/ICIMIA.2017.7975595 **Topic** : Alleviation of DDoS attack using advance technique
- ◆ Presented paper in A R Digitech International Journal of Engineering, Education ans Technogy with ISSN:2320-883X on 01/04/2017 **Topic**:A survey on Big data and its research challenges .
- Published paper in International Journal of Advance Research, Ideas and Inno-vations in Technology), on 17/03/2017 , with ISSN: 2454-132X **Topic**: Con-gestion Control in Wireless Communication with Multiple Radio Interfaces

Name of Faculty

Mr. Suraj Kurde

Department and Designation

Computer Engineering
Assistant Professor

Domain

Internet of Things, Programming, Data Structures,
Soft Computing

Qualification

B.E(CSE), M.E.(SE)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.



Mr. Suraj Kurde
Computer Engineering
Assistant Professor

Research Paper

National Journal	02
International Journal	05
National Conference	03
International Conference	04
Books Published	00
Patents	01
Invited as Resource Person	00
Guided PhD	--

01

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of Internet Society (ISOC), Membership No: 739484
- ◆ Life Member of International Association of Engineers (IAENG), Hong Kong. Membership No: 178391
- ◆ Member of International Society of Promising Computer Engineers (ISPCE).
- ◆ Member of Asian Society for Computer Academicians and Professional (ASCAP), New York.
- ◆ Member of International Society for Research and Development (ISRDR), LONDON, UNITED KINGDOM, Membership No: M4150903575.

Recent Five Publications

- ◆ Presented paper in International Conference on Emerging Trends in Science Engineering and Technology (ICETSET'18) Scopus Publication with ISSN No:1314-3395. **Topic** : SURVEY ON TECHNOLOGICAL APPLICATIONS OF INTERNET OF THINGS IN HEALTH MONITORING SYSTEM.
- ◆ Presented paper in National Conference on Convergence of Technology. **Topic** : Steganography Implementation.
- ◆ Presented paper in ICEMESM-2017. **Topic**: Ontology Mapping Using Natural language Processing for crop Cultivation.
- ◆ Presented paper in 11th National Conference on Modern Emerging Engineering Technologies, NCMEET-2017, AVCOE . **Topic** : Big data: Architecture. Applications and Security.
- ◆ Published paper ManTech Publications National journal on Networking, Internet and Security. **Topic** : Big data: Architecture. Applications and Security .



Mr. Pramod Deshmukh

Computer Engineering

Name of Faculty

Mr. Pramod Deshmukh

Department and Designation

Computer Engineering
Assistant Professor

Domain

Deep Learning, Data Analytics

Qualification

B.E(IT), M.Tech.(CSE)

About

To seek excellence in my chosen field of work by putting my all hard work for the betterment of the organization and me.

Research Paper

National Journal	--
International Journal	09
National Conference	03
International Conference	03
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Awarded "Best Teacher of the year in Computer Engg. Department 2015-16" by DYPSOEA, Ambi, Pune
- ◆ Appreciation for "Innovation Teaching Learning Practices" by DYPCOE, Akurdi, Pune.
- ◆ Microsoft Research Certification in 5 (Five) Technical subject such as Data Structure, DDA, Computer Network, TOC, Linear Algebra.
- ◆ Oracle Certification in different 7 (seven) Technologies.
- ◆ National Advisory Board Members in different 5 (Five) International Conference.

Recent Five Publications

- ◆ Presented a Research paper on Hierarchical Document Clustering based on Cosine Similarity measure in **IEEE Xplore**, 1st International Conference on Intelligent Systems and Information Management (ICISIM-2017) at JNEC, Abad.
- ◆ Presented a Research paper on Optimization of Document Clustering using UNL Document Vector Generation and Swarm Intelligence in **IEEE Xplore**, 3rd International Conference on Computing, Communication, Control And Automation (ICCUBEA-2017) at PCCOE, Pune.
- ◆ Presented a Research paper on Big Data and Database Security in International Journal of Control Theory and Applications (IJCTA, ISSN: 0974-5572, **SCOPUS INDEXED**), The Springer International Conference on Intelligent Computing and Applications (ICICA-2016) at DYPCOE,Pune.
- ◆ Published a Paper on "Efficient Big Data Analytical Architecture for Retrieval of Data based on Web Server" has been publishing in the „July, 2016" of (IJMTES ISSN:2348-3121, IF:2.02).
- ◆ Published Paper on "Genetic Algorithm with Feature Selection Technique for Nominal Data" has been publishing in the „March, 2016" of The (IJST,

Name of Faculty

Mr.Vivek T.Patil

Department and DesignationComputer Engineering
Assistant Professor**Domain**

Data Mining, Networking

Qualification

M.Tech.(CE)

About

Teaching Experiante:5.5 Years

Mr.Vivek T.PatilComputer Engineering
Assistant Professor**Research Paper**

National Journal	--	NIL
International Journal	02	
National Conference	04	
International Conference	00	NIL
Books Published	—	NIL
Patents	--	
Invited as Resource Person	02	
Guided PhD	--	

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ Presented paper in National Conference 2017. Topic : Nano Technology
- ◆ Published paper in IRJET, Topic : Improved Preserving Location Privacy in Geo-Social Applications
- ◆ Presented paper in NCACM2016 ". Topic: Different Types of Selfish Attack and Detection Mechanism in Cognitive Radio Ad-Hoc Networks
- ◆ Presented paper in NCACM2016 ". Topic: Data Mining and Data Warehousing



Mrs. Soniya Bastwade
Computer Engineering.
Assistant Professor

Name of Faculty

Mrs. Soniya Kapil Bastwade.

Department and Designation

Computer Science & Engg.
Assistant Professor

Domain

Cloud Computing.

Qualification

B.E(CSE), M.Tech(CSE)

About

Interested in research for Cloud Computing area.

Research Paper

National Journal	--
International Journal	04
National Conference	01
International Conference	02
Books Published	00
Patents	--
Invited as Resource Person	00
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of ISTE.
- ◆ Member of SDIWC

Recent Five Publications

- ◆ Published paper in International Conference (International conference on Emerging Trends and Research in Engg) Review on Sentiment Analysis ISSN 2320-8821 March 2017
- ◆ International Journal (International Journal of Engg Education & Tech.) Review on Sentiment Analysis ISSN 2320-883X April 2017 .



Ms. Pooja Deshpande
Computer Engineering
Assistant Professor

Name of Faculty

Ms. Pooja M.Deshpande

Department and Designation

Computer Engineering
Assistant Professor

Domain

Cyber Security, Networking

Qualification

B.E(C.T), M.Tech.(CSE)

About

To strive for the betterment of an organization by utilizing my best of knowledge towards the overall growth of students.

Research Paper

National Journal	--
International Journal	03
National Conference	00
International Conference	01
Books Published	—
Patents	--
Invited as Resource Person	-
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of —The Society of Digital Information and Wireless Communications (SDIWC) Membership No: 19682
- ◆ Member of International Association of Engineers (IAENG). Membership No: 205003
- ◆ Member of Internet Society (ISOC)
- ◆ Elite Certification in NPTEL for —Outcome based Pedagogical Activities 2018-19

Recent Five Publications

- ◆ Published paper in International Journal of Scientific Research and Education (IJSRE 2018) with ISSN (e) No: 2321-7545. **Topic** : Survey On Various Routing Protocols For Effective Bandwidth Optimization in MANET .
- ◆ Published paper in International Journal of Computer Science and Information Technologies (IJCSIT- 2014), ISSN No: 0975-9646. **Topic** : Dynamic Role Assignment in Loose-Virtual-Clustering- Based Networks for Power Efficient MANETs
- ◆ Published paper in International Journal —International Journal Of Computer Engineering And Applications (IJCEA-2014) ISSN No.:2321-3469. **Topic**: Dynamic Loose Clustering Approach For Power Heterogeneous MANET .



Ms.Neha D. Patil

Computer Engineering
Assistant Professor

Name of Faculty

Ms. Neha D. Patil

Department and Designation

Computer Engineering
Assistant Professor

Domain

Image Processing, Web Technology

Qualification

M.E.(CSE)

About

Research Paper

National Journal	--
International Journal	02
National Conference	01
International Conference	01
Books Published	—
Patents	--
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of ISTE
- ◆ Member of SDIWC

Recent Five Publications

Providing highly accurate service recommendation for semantic clustering over big data (IRJET) Volume: 04 Issue: 02 | Feb -2017 e-ISSN: 2395 -0056

Providing highly accurate service recommendation over big data using Adaptive sys-tem Volume: 04 Issue: 07 | July -2017 e-ISSN: 2395 -0056



Mr. Jayant K. Shimpi
Computer Engineering
Assistant Professor

Name of Faculty

Mr. Jayant K. Shimpi

Department and Designation

Computer Engineering
Assistant Professor

Domain

Data Mining and Information Retrieval

Qualification

B.E(IT), M.E.(CE) ,PhD (Appearing)

About

To utilize my personal and professional qualities in a big organization which gives me opportunities to demonstrate my competency, professional growth and development.

Research Paper

National Journal	02
International Journal	04
National Conference	03
International	03
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of International Society for Research and Development (ISRD). Membership No: M4150904820
- ◆ Member of International Association of Engineers (IAENGG), Hong Kong. Membership No: 203640
- ◆ Member of Internet Society ,Membership No:175594
- ◆ Member of The Society of Digital Information and Wireless Communications, Membership No:19683
- ◆ Member of Computer Science Teachers Association (CSTA), Membership No:51901984

Recent Five Publications

- ◆ Presented Paper in International Conference on Emerging Trends in Science Engineering & Technology (ICETSET-2018), 8-9 May 2018 **Topic:** Survey on Technological applications of Internet of Things in health Monitoring System.
- ◆ Presented Paper in International Conference on "Emanations in Modern Engineering, Science & Mangement(ICEMESM-2017)" Organized by Smt.RP College of Engg, Nagpur. E-ISSN 2394-8299.**Topic:** Ontology Mapping using Natural Language Processing for Crop Cultivation
- ◆ Presented Paper in National Conference On "Emerging Trends And Research In Engineering and Science VIDYUTZEP 2015" **Topic:** An Efficient Query Processing for Personalized Web Search Engine
- ◆ Published Paper on International Journal Of Engineering, Education and Technology, ISSUE 2,Volume 3,ISSN 2320-883X.**Topic:** An Efficient Query Processing for Personalized Web Search Engine.
- ◆ Published Paper on International Journal Of Emerging Technology and Advanced Engineering, Issue 8,Volume 5,ISSN 2250-2459.**Topic:** Efficient and Secure Retrieval of Query in Personalized Web Search.



DEPARTMENTAL RESEARCH ACTIVITIES



"SAARANSH 2K18" Project Exhibition

The Department of Computer Engineering conducted Project Exhibition on 01/06/2018 in Department of Computer Engg. organized centrally by D.Y.Patil College of engg.Akurdi. We invited three Experts from industry, the details of the experts is given below:

1. **Mr. Kashinath Kokil** Scientist DRDO,Pune
2. **Mr. Aditya Dange** Associate Consultant, TCS,Hinjewadi,Pune
3. **Mr. Sanket Jain** Senior Software Engineer ,Behr Process Paints Pvt. Ltd,Hinjewadi Pune.



2 Classroom Automation :- Using IOT, By third year Computer Engineering Students



3. Workshop on IPR and Copyrights by Mr.Kunal Sarpal (White Collar LLP)





Electronics & Telecommunication Engineering



Department of E&TC was established during the inception of the Institute in 1984 as the department of Electronics Engineering. It was converted to Electronics and Telecommunication in 2001 to remain synchronized with the modern trends at present and in the foreseeable future with an intake capacity of 120 students for under graduation. The department also runs two post graduate programs on VLSI and Embedded systems & Communication networks to cater the ever challenging needs of Industry, Public and Service sectors. The department is also a recognized Ph.D. Research centre.

The objective of the department is to impart quality education, training and research by providing the healthy and conducive environment. Department has well-equipped technical infrastructure with latest software and hardware for design, simulation and testing.

A blend of experienced, highly qualified and motivated faculty contribute to achieve academic excellence by providing the best possible education and training to the students. Most of the faculty members are having extensive teaching / research experience and have many International / National Journal publications and conference presentations to their credit.

A very strong Industry institute interaction is established to identify and fill the curriculum gap by emphasis on the latest trends in the field of Electronics and communication. To develop multidimensional personality of students, the academic studies are balanced with various co- curricular and extra-curricular activities. Our students have got great openings in multinational companies and many have completed their higher education in renowned foreign universities. Department is fully dedicated to enhancement and spread of knowledge in the field of engineering and technology.

I am confident enough that with our motto “In pursuit of Excellence”, in next to no time we will expand in all dimensions to deal with the needs of the corporate world.

Dr. D. G. Khairnar
Professor & HOD



Dr. D. G. Khairnar
E&TC Engineering
Professor , HOD

Name of Faculty

Dr. D.G. Khairnar

Department and Designation

E&TC, Professor , HOD

Domain

Signal Processing,
Control & Instrumentation

Qualification

B.E.(Electronics), M. Tech.(Control and Instrumentation), Ph.D (IIT-Bombay E&TC)

About

I have Completed Ph.D from IIT Bombay in the year 2008. I am a Dynamic, resourceful, and innovative professional with 23 years of experience in teaching.

Research Paper

National Journal	07
International Journal	25
National Conference	06
International Conference	10
Books Published	03
Patents	04
Invited as Resource Person	05
Guided PhD	05

Patents (Filed / Published)

- ◆ Patent ID #1: No.201721039713 A : An innovation in Interleaver with high dimensional encoding using hybrid group search optimizer, Mrs. Rutuja A. Deshmukh , Dr. Ashish Panat, Dr. Mrs. P. Malathi, Dr. D.G.Khairnar.
- ◆ Patent ID# 2: No.201821024242(2018) Scalable and energy efficient comm. using multirate sampling for 5G, Lina Desai and Dr D.G. Khairnar. Patent ID# 3: 201621036232 (2017): Des. of Swing Restored GDI Based Self Timed Adder , P. Mane, Dr. M.Sharma , Dr. D.G. Khairnar and Dr. P.Malathi

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Pitch Detection strategy for Indian classical music

Awards and Recognition

- ◆ Completed **CMI Level 5** Certificate in Management and Leadership sponsored by AICTE - UKIERI on 12th March, 2018.
- ◆ Appointed as the Session Chair in ITNG-2007 (International Conference Information Technology for New Generation), Lon Angeles (California) & Las Vegas, USA, 2007.
- ◆ Worked as the technical program Committee member for ITNG-2008, International Conference Information Technology for New Generation, L A, USA.

Recent Five Publications

- ◆ Radhika Jagtap, Dr. D.G. Khairnar “A Design and Development of a low cost Multisensor Inertial Data Acquisition System” in International Journal of Innovative Research in Science ,Engineering and Technology, 10.15680/IJRSET.2017.0607174, July 2017
- Manjusha M. Kinage, Dr. D.G. Khairnar “Design and Implementation of FPGA soft core processor for low power multicore Embedded system using VHDL” in International Conference on Automatic Control and Dynamic Optimization Techniques, 10.1109/ICACDOT.2016.7877603, March 2017
- ◆ Vandana D. Rathi, Dr. D.G. Khairnar “Design of truncated multiplier with Column bypassing Technique in Digital Signal”, In IEEE,International Conference on Information,Communication, Instrumentation and control(ICICIC-2017) , August 2017
- Jayashree P. Rithe , Dr. D.G. Khairnar “Performance of Cooperative Massive MIMO 5G Cellular System”, in IEEE,International Conference on Information,Communication,Instrumentation and control(ICICIC-2017), August, 2017.
- Jayashree P. Rithe , Dr. D.G. Khairnar “Removal of Impulsive Noise from Long Term Evolution Handset Using Double Detection Method” in International Journal of Innovative Research in Computer and Communication Engineering,



Dr. Vijay M. Wadhai
Electronics & Telecommunication

Name of Faculty

Dr. Vijay M. Wadhai

Department and Designation

Electronics &
Telecommunication, Professor

Domain

VLSI

Qualification

PhD, Electronics and Telecommunication Engineering, M.E, Power Electronics, B.E, Electronics Engineering,

About

30+ years teaching experience, 5 year industry experience, Recognized PhD supervisor in Computer Engg. and E&TC, Technical Director, international radio frequency group IRF India.

Research Paper

National Journal	24
International Journal	94
National Conference	18
International Conference	60
Books Published	04
Patents	21
Invited as Resource Person	10
Guided PhD	16

Patents (Filed / Published)

- ◆ Design & Implementation of Intelligent Integrated System for Detection & Analysis of Cervical Cancer Stages with Deep Learning Approach(2018)
- ◆ A Down Draft Wood Gasifier, tuned for steady Gas generation (2018)
- ◆ Piezoelectric sensors integrated Hand Gesture Recognition device (2018)
- ◆ IoT enabled brain cancer detection and analysis with advanced imaging technologies using Deep Learning (2017)
- ◆ Smart Dash Board for auto mobiles using NFC (2016)
- ◆ Fabrication And Design Of ECG Electrode For Long Term Health Monitoring Applications (2015)
- ◆ NFC Based Library Automation Using Smart Phone (2015)
- ◆ NFC-Based Loyalty Management System (2015)
- ◆ Real Time Depression Detection and Analysis using Multi Parametric Fusion Approach (2015)
- ◆ Method for Music based computing of human emotions and evaluating the Rage of Indian Classical Music for stress release and emotion control (2014)
- ◆ Optimization of Handoff Latency using Efficient Spectrum Sensing for Cognitive Radio in 4G Wireless Networks (2013)
- ◆ Phonetic based Digital Watermark in Text Data Repository (2013)
- ◆ Dynamic Spectrum Management Techniques Using Cognitive Radio (2012)
- ◆ A Standalone RFID and NFC Based Healthcare System (2012)
- ◆ Security of Cognitive Radio Using Smart Radio Channel Change protocol (2011)
- ◆ Congestion Avoidance and Control near Sink in Wireless Sensor Network for Random Topology(2011)
- ◆ Method and apparatus for Wireless sensor Network based intelligent framework for Mobile Real time Health care System (2010)
- ◆ Method and Apparatus for Outlier Detection for High Dimensional Categorical Data Sets(2010)
- ◆ Indoor Localization System for Mobile Device with Integration of Wireless and RFID Technology (2010)
- ◆ Embedded Device for Real Time Pregnancy Monitoring (2017)
- ◆ PRAGAT EAKATMIK KRISHI VYAVASTHAPAN (2016)

Details of Sponsored Projects

- ◆ Product on classification, detection and analysis on cancer (Brain and cervical)
- ◆ NFC based system for healthcare sector
- ◆ Smart dashboard For Two Wheelers Using NFC

Details of Products (Developed/ Ongoing)

- ◆ Product on classification, detection and analysis on cancer (Brain and cervical)
- ◆ Depression Detection and Analysis of Adolescent with Multimodal Approach
- ◆ Smart dashboard For Two Wheelers Using NFC
- ◆ NFC based system for healthcare sector
- ◆ Real time apnea detection, real time arrhythmia detection
- ◆ Real time depression analysis by speech, EEG signal and emotional expression signal processing
- ◆ Design and development of wearable biosensor node for body area network

Awards and Recognition

- ◆ Invited as key note speaker in 10th IEEE CONFERENCE : To conduct a session on application and communication technology AICT 2016 at BAKU, RUSSIA
- ◆ Award for incredible support Pradnya Chakshu (2016), Kshitij Foundation : Service to Blind Community (Student)
- ◆ Yashodeep Award (2016), Deepstambh Foundation: For educating the physically challenged people
- ◆ Sad Manuskichi, 2016, Deeper.co.in Organization: Driving the nation for educating the students for entrepreneurship skill, Health and education
- ◆ Indira Gandhi Gold Medal Award, 2015, GEPRA(Global Economic Progress and Research Association)—Gandhi Bhavan Bangalore : Outstanding Individual achievement and distinguished service in Engineering & Research
- ◆ SamwaadParivartancha, 2014, Pune Shahar Police Aayuktalay: For contribution of crime reduction and rehabilitation of criminal and also For data analysis and mind transformation work
- ◆ National Integrity –VidharbhaMahotsav,2014,VidarbhaSahayog Mandal, Pune :A Social contribution for uplifting the unprivileged students from villages by appreciating their merits and giving them the direction to serve the country
- ◆ MAHATMA PHULE-DR AMBEDKAR SAMATA PARVA - April 2011 : For bringing the social harmony , exploring importance of education and humanity
- ◆ Shivam Pratishthan : Pratishthan,As a key note speaker in Yuva sammelan for building value based India
- ◆ Best Student Councilor for IEEE,2008, IEEE Bombay section : Fostering the skill development in technology
- ◆ IETE award,2003, IETE Mumbai Chapter : Significant Contribution towards IETE chapter, Navi Mumbai
- ◆ Institute Engineer Award (IE), Naashik Institute, Nashik : Best Engineer
- ◆ University Topper, Master Degree,1995 PDA college of Engg, Gulbarga

Recent Five Publications

- ◆ SP Bobde, ST Mantri, DD Patil, V Wadhai, —Cognitive Depression Detection Methodology Using EEG Signal Analysis, Intelligent Computing and Information and Communication, 557-566, 2018
- ◆ RS Kale, VM Wadhai, JB Helonde, —Novel Threshold Formulation for Energy Detection Method to Efficient Spectrum Sensing in Cognitive Radios, Sensors and Image Processing, 25-35, 2018.
- ◆ DH Gawali, VM Wadhai, —Recent trends in energy management of wireless wearable bio sensor design, 11th International Conference on Intelligent Systems and Control (ISCO), 2017
- ◆ DH Gawali, VM Wadhai, —Mixed signal SoC based Bio-Sensor Node for long term health monitoring, IEEE International Conference on Electrical and Computer Engineering (WIECON-ECE), 2016
- ◆ DP Patil, VM Wadhai, S Antonov, —An Adaptive Approach in Dual Point Energy Detection Spectrum Sensing for Cognitive Radio Networks, IJETT 3 (3), 2016



Dr. Mrs. P. Malathi
E&TC Engineering
Professor & Vice Principal

Name of Faculty

Dr. Mrs. P. Malathi

Department and Designation

Professor & Vice Principal

Domain

Wireless Communication

Qualification

B.E(ECE), M.E. (Electronics), Ph.D (E&TC)

About

Excellent teacher, researcher, administrator, good human being for the improvement and betterment of the society and having 25 years of teaching experience

Research Paper

National Journal	03
International Journal	40
National Conference	21
International Conference	39
Books Published	03
Patents	03
Invited as Resource Person	10
Guiding PhD	06

Patents (Filed / Published)

- ◆ 201621036232 (2017): Design of Swing Restored GDI Based Self Timed Adder, Prathamesh Mane, Dr. Manish Sharma and Dr. P.Malathi
- ◆ 201721024960A (2017): A Novel System for Image Denoising using Frame Validation & Reconstruction, Dr. Mrs. P. Malathi, S. Ramitha Rajan
- ◆ 201721031984A (2017): Fair Seat Allocation System & Passenger Security System in Public, Dr. Mrs. P. Malathi, Kailash Shaw Niket Bhatembere

Details of Products (Developed/ Ongoing)

- ◆ Vehicle Monitoring and tracking system
- ◆ The Virtual Touchpad: Real-Time, Wireless, Embedded Hand Gesture Control System Using ANN

Details of Sponsored Projects

- ◆ Completed Research Project on "Frequency allocation in Mobile Communication using Genetic Algorithms" sponsored by ISRO-DRDO-UOP Interaction Cell (3 Lacs).
- ◆ Research Project On' Quality Of Service Enhancement In Routing For Mobile Ad-Hoc Network Based On Bandwidth Estimation" Sponsored By UOP (2 Lacs).

Awards and Recognition

- ◆ National Mahila Rattan Gold Medal Award By Indian Solidarity Council For Outstanding achievements in the Field of Education at New Delhi on 20th Feb, 2015.
- ◆ Bharat Vidya Shiromani Award By International Institute for outstanding achievements in the Field of Education at New Delhi on 20th Feb, 2015.
- ◆ Best Teacher Award for outstanding performance in Teaching During Academic Year 2013-14 In D. Y. Patil College of Engineering, Akurdi.
- ◆ Recognition of Leadership by SkyFi Labs and IUCEE for completing project based online course on "Robotic Arm" on 25 June 2016.

Recent Five Publications

- ◆ Mahua Bhowmik, P. Malathi, "Sensing Optimization of Cognitive Radio by using Artificial Neural Network," in IETE National Journal, Vol- II, Issue IV on 28th April 2017.
- ◆ P.H.Kulkarni, P. Malathi, Dhanashri Kadam "To Maximize Energy Efficiency in WSN using ACO"(ICCUBEA-2017).
- ◆ Mahua Bhowmik, P. Malathi, "Optimal Threshold and Energy Detection in Cognitive Radio", in SPRINGER International Conference on Smart Innovations in Communications and Computational Sciences [ICSICCS-2017], at North West Group of Institutions, Moga, Punjab, on 23rd and 24th June 2017.
- ◆ Harshali Kumbhar, P.Malathi, "The Virtual Touchpad: Real Time Wireless Embedded Hand Gesture Control System Using ANN", International Journal of Pure and Applied Mathematics, 25 May 2018, Volume 118 No. 24,
- ◆ Aarti awathare, P.Malathi "Development of an Offline Simulation Tool to Test the On-Board Diagnostics Software for BS-VI", Journal on Software Engineering, January - March 2018 issue Volume No.12, Issue No.3



Dr. Manish Sharma

E&TC Engineering
Associate Professor

Name of Faculty

Dr. Manish Sharma

Department and Designation

E&TC, Associate Professor

Domain

Artificial Intelligence and Intelligent Control,
Advanced Communication

Qualification

B.E(EC), M.E. (Electronics), Ph.D (E&TC)

About

Dedicated, resourceful, and innovative professional, having 14 years of experience. Possess Research Interest in Adaptive Control, Wavelet neural network, Signal processing, Uncertain nonlinear systems, Advances Communication Systems, Cognitive Radios, Software Defined radios, Biomedical Signal Analysis, FPGA implementation.

Research Paper

National Journal	02
International Journal	35
National Conference	18
International Conference	32
Books Published	02
Patents	02
Invited as Resource Person	02
Guided PhD	--

Patents (Filed / Published)

- ◆ Patent ID #1: 201621036232 (2017): Design of Swing Restored GDI Based Self Timed Adder , Prathamesh Mane, Dr. Manish Sharma , Dr. D.G. Khairnar and Dr. P.Malathi
- ◆ Patent ID #2. 201721021132 (2017): Low Comp. Complexity Strategy For Spectrum Detection In Cognitive Radio N/w Using Compressive Sensing Prachi Kumari, Dr. Manish Sharma

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Reviewer of IEEE trans. on Ind. Elect., IEEE Trans. on Cybernetics, IEEE Transactions on Sys., Man and Cybernetics, IET Control Theory and Applications, International Journal of Automation and Computing (IJAC), Inderscience, Automatica, Sciencedirect.
- ◆ Two papers have been adopted in E-LETTER on Systems, Control, and Signal Processing and one paper selected for multi author monograph, Advances in Systems Theory and Applications, Cambridge Scientific Publishers (UK)

Recent Five Publications

- ◆ A. Shinde and M. Sharma, "Low Power , Area Efficient Dynamic Voltage Comparator with Reduced Activity Factor", Jour. of comm technology, Electronics and Computer Science (Free Journal), Vol.5, Issue 12, pp.20-25, 2017.
- ◆ J. Rithe, D.G. Khairnar and M. Sharma, "Performance of Cooperative Massive MIMO 5G Cellular System", in the proc. of IEEE Int. Conf. on Information, Communication, Instrumentation and control(ICICIC-2017), Indore, 2017.
- ◆ R. B. Urade, M. Sharma and D.G. Khairnar, "An Intelligent eNodeb for LTE Uplink based on Neural Network", in the proc of IEEE Int. Conf. on Information, Communication, Instrumentation and control(ICICIC-2017), Indore, 2017.
- ◆ A D. Shinde and M. Sharma, "Low Power, Area Efficient Dynamic Comparator with Reduced Activity Factor", IEEE International Conference on Information, Communication, Instrumentation and control(ICICIC-2017), Indore, 2017.
- ◆ Chaitali P.Kadu and Manish Sharma, "Area -Efficient High-Speed Hybrid 1-bit Full Adder Circuit Using Modified XNOR Gate", in the proceedings of 3rd International conference on Computing ,Communication, Control and Automation (ICCUBEA-2017), Pune.



Mrs. Kamal M Jadhav

E&TC Engineering
Assistant Professor

**Name of Faculty Department
and Designation**

Mrs. Kamal.M. Jadhav
E&TC, Assistant Professor

Domain

Power Electronics

Qualification

B.E.(Elect)

About

Hardworking, committed and sincere in work with teaching experience 26 years in the field of Power Engineering, Electromagnetic, Network theory and Electricals Machines.

Research Paper

National Journal	1
International Journal	—
National Conference	1
International Conference	—
Books Published	—
Patents	—
Invited as Resource Person	1
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Rooftop Ventilator for Electricity generation

Awards and Recognition

NIL

Recent Five Publications

- ◆ A.S.Shinde and K.M.Jadhav,Recent Trends in Electronics and communication system. Review of IOT Based Smart Housekeeping Robot.STM Journals.Volume 5 , Issue 1, ISSN:2393-8757



Aparna S. Shinde
E&TC Engineering

Name of Faculty

Aparna S. Shinde

Department and Designation

E&TC, Assistant Professor

Domain

Embedded Systems

Qualification

B.E. (Electronics), M.E. (Electronics)

About

Dedicated, sincere, innovative professional, having 19 years of experience in field of Digital Electronics, Microprocessor, Microcontroller etc. Pursuing Ph. D from Pune university and my research area is Wireless sensor Network.

Research Paper

National Journal	2
International Journal	7
National Conference	-
International Conference	7
Books Published	-
Patents	-
Invited as Resource Person	-
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Health Monitoring System using WSN

Awards and Recognition

NIL

Recent Five Publications

- ◆ "Review of IoT Based Smart Housekeeping Robot", Recent Trends in Electronics & Communication Systems, STM Journal, ISSN: 2393-8757 (Online) Volume 5, Issue 1
- ◆ "High-Performance FIR Filter Architecture for Fixed and Reconfigurable Application" in International Journal of Engineering Research in Electronics and Telecommunication Engineering, Vol. 4, issue 8, August 2017.
- ◆ "Efficient Design of a Reconfigurable FIR Filter using Distributed Arithmetic for FPGA Implementation" International Journal of Engineering Research in Electronics and Communication Engineering (IJERECE) Vol. 4, Issue 8, August 2017, ISSN (Online) 2394-6849.
- ◆ "An Embedded Real-Time Finger-Vein Recognition System for Security Levels", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, Issue 11, November 2016.
- ◆ "An Embedded Real-Time Finger-Vein Recognition System for Security Levels", International Journal of Scientific & Engineering Research, Volume 7, Issue 6, June-2016, ISSN 2229-5518



Mrs. Usha Jadhav
E&TC Engineering
Assistant Professor

Name of Faculty

Mrs. Usha Jadhav

Department and Designation

E&TC, Assistant Professor

Domain

VLSI and Embedded System

Qualification

B.E(Electronics), M.E.(E&TC)

About

I am passionate and dedicated about teaching with 12.5 years of experience. The area of research is VLSI and Embedded system for eHealth applications. A friendly and congenial relations with students and inspires them towards greatness.

search

Research Paper

National Journal	01
International Journal	12
National Conference	03
International Conference	01
Books Published	00
Patents	00
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Automatic Safe Load Indicator for Crane

Awards and Recognition

- ◆ Recognition of Leadership for successful completion of “Solar based project “ by Sky-fi Labs.

Recent Five Publications

- ◆ K .Priyanka Sahu Usha Jadhav,”Design and Implementation of FIR Filter Structure using High Adders and Wallace Tree Multiplier”, IJAREEIE,vol. 6, Issue 6,2017, pp 4590-4596
- ◆ Prof. Usha Jadhav Omkar C. Mane,” Power Optimized Transmitter for Future Switched Network”, IRJET, vol. 4, Issue 9, 2017, pp 569-575
- ◆ K .Priyanka Sahu Usha Jadhav,”Design and Implementation of Improved FIR Filter using Wallace Tree Multiplier”, IJIRCCE, vol. 5, Issue 5,2017, pp 10367-10371
- ◆ Usha Jadhav Amol Gulab Patil,” Implementation of Fault Tolerant Embedded Signature Analyzer”, IJERECE, vol. 4, Issue 8,2017, pp 37-40
- ◆ Poonam s.wankhede Usha Jadhav, “study and analysis probability of soft error in combinational circuits using NOR gate” IJSART, vol. 3, Issue 5,2017, pp ISSN [ONLINE] : 2395-1052



Mrs. Trupti Wagh
Electronics Engineering
Assistant Professor

Name of Faculty

Mrs.TruptiWagh

Department and Designation

E&TC, Assistant Professor

Domain

WSN,Solid state devices,Wireless Communication

Qualification

M.E. (Electronics)

About

Honest and innovative professional, having 14 years of teaching experience. Passionate about teaching with research publications and one research grand. Continuous learning approach having aim for doing Ph.D.research work.

Research Paper

National Journal	01
International Journal	09
National Conference	02
International Conference	04
Books Published	-
Patents	-
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

Sponsored Research Project Title	Funding Agency	Funding Amount	Duration	Year
Dual Band triangular „U” slot Microstrip Antenna for WLAN application	BCUD,Pune	Rs.2,20,000/-	2Yrs	2013-15

Details of Products (Developed/ Ongoing)

Dual Band Microstrip Antenna

Awards and Recognition

NIL

Recent five Publications

- ◆ Sanjyot Godase, Trupti Wagh, “Dynamic Spectrum Allocation Maximization in Hy-brid Access Cognitive Femtocell Network”,InternationalJournal of Innovative Re-search in Computer and Communication Engineering ,Vol. 5, Issue 6, June 2017ISSN(Online): 2320-9801 ,ISSN (Print): 2320-9798
- ◆ Sanjyot Godase, Trupti Wagh, “Dynamic spectrum allocation for hybrid access cognitive femtocell network “,05 February 2018,IEEE INSPEC ACCESSION 17560661
- ◆ Pranjali Koli, Trupti Wagh, “Trusted lightweight authentication protocol used in wireless sensor network”,IJCA,2015
- ◆ Swati Kasar, Trupti Wagh “A Survey on Intrusion Detection Techniques in Wireless Sensor Networks” IJCA 2015
- ◆ Vaibhav Gaikwad, Manish Sharma, Trupti Wagh, “DTX mechanism at Evolve Node for Efficient Power Saving in LTE NetworkPP.47-55, Pub. Date: 2015-9-8 DOI: 10.5815/ijwmt.2015.05.05 : ISSN :2076-1449(PRINT).ISSN 2076,9539



Mrs. Sayali N. Mane Asst. Prof

Name of Faculty	Mrs.Sayali N. Mane
Department and Designation	E&TC, AssistantProfessor
Domain	Wireless Network
Qualification	B.E(E&TC), M.E. (E&TC)
About	Passionate about teaching with other Innovative learning activities with sincerity and hard-working professional having 12 years of teaching experience

Research Paper

National Journal	--
International Journal	19
National Conference	8
International Conference	11
Books Published	0
Patents	0
Invited as Resource Person	0
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NOVEL SECURITY FRAMEWORK FOR WSN

Awards and Recognition

NIL

Recent Five Publications

- ◆ Mr. Gursimran Singh, Mr. Digvijay Dhamale, Mrs. Sayali N. Mane CETSET-18, "Migration from IPv4 to IPv6" @ DYPCOE on 8th & 9th May 2018
- ◆ Mrs. Sayali N. Mane, Ms Ruta Kale, ICEEER "Improvement of NFCA an efficient routing Protocol by combining MODLEACH and PIGASIS in WSN", 23rd July 2017
- ◆ Mrs. Sayali N. Mane, Akshay Patil, IJOAEM, "Wireless Self Control System For Domestic Appliances" Vol. 2, No. 6, pp. 131-134, 2017.
- ◆ Mrs. Sayali N. Mane, Kiran Rampurkar, Nikhil Lavande, IJOAEM, "Study of routing overhead and its Protocol", Vol.2, pp52-55, 2017
- ◆ Bajoria Saket, Malik Sahil, Mrs. Sayali N. Mane IJR-TEM, "Security in MANET using FL-SAODV", Vol.-3, ISSN:2455-3689, May 2016



Mrs. Manisha Rajput
E&TC Engineering
Assistant Professor

Name of Faculty

Mrs. Manisha Rajput

Department and Designation

E&TC, Assistant Professor

Domain

Wireless Communication

Qualification

B.E(E&TC), M.E. (Electronics),

About

I am Passionate & devoted towards teaching profession. Recently registered to Ph.D as a part of research with 11 years of teaching experience.

Research Paper

National Journal	--
International Journal	05
National Conference	01
International Conference	01
Books Published	—
Patents	—
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

Completed SPPU-BCUD research Project on “Quality of Service enhancement in routing for Mobile ad-hoc network based on bandwidth estimation ” of Rs.2,00,000 for the year 2013-2015.

Details of Products (Developed/ Ongoing)

Efficient Spectrum allocation technique for 5G network

Awards and Recognition

NIL

Recent Five Publications

- ◆ Yogesh Waghmare, Prakash Choudhary, Mohit Rochlani and Manisha Rajput, “Fuzzy Logic Based Flood Warning and Floodgate Control System”, International Journal of Advanced Engineering and Management, Vol. 2, No. 7, pp. 172-175, 2017, ISSN 2456-8066.
- ◆ Sagar S. Mahajan, Nikhil S. Rane, Prasad R. Sonawane, Manisha R. Rajput, “Delay Analysis of AODV Routing Protocol”, International Journal of Research in Computer and Communication Technology, Vol 5, ISSN (Online) 2278- 5841, Issue 4, pp.200-203, April 2016.
- ◆ M. R. Rajput, Prof. V. S. Jadhav, Dr. Mrs. P. Malathi, “Improvement in QoS based on bandwidth estimation in MANET”, IJCCEC, Sept 2012
- ◆ M. R. Rajput, Prof. V. S. Jadhav, “Provisioning of QoS Routing based on Bandwidth estimation in Mobile Ad-Hoc Network”, International Journal of Science & Technology, ISSN (online): 2250-141X, Vol. 2 Issue 3, June 2012



Mrs. V.M.Lakshe (Bagal)
E&TC Engineering
Assistant Professor

Name of Faculty

Mrs. V.M. Lakshe(Bagal)

Department and Designation

E&TC, Assistant Professor

Domain

Digital Electronics, Wireless Communication

Qualification

B.E(EC), M.E(E&TC)

About

Hardworking, Sincere for 11 years of experience. Dedicated to work for Welfare of Society. Currently doing PhD and research on Moving Object tracking for WSN

Research Paper

National Journal	--
International Journal	03
National Conference	01
International Conference	—
Books Published	—
Patents	-
Invited as Resource Person	-
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Moving object tracking for WSN

Awards and Recognition

NIL

Recent Five Publications

- ◆ “A review on Mobility Tracking in Cellular Network”, IJETT-Volume 59 Issue4-May 2018.
- ◆ “Identification of Person by Fusion and using Scale Invariant Feature Transform”, IJCTA-Volume 4 Issue 2-April 2013 .
- ◆ “Human Identity System by Employing Scale Invariant Feature Transform” , IJECCE- Volume 3 Issue 6-Nov 2012 .



Mrs. Rohini P. Gaikar
E&TC Engineering
Assistant Professor

Name of Faculty

Mrs. Rohini P. Gaikar

Department and Designation

E&TC, Assistant Professor

Domain

Machine Learning, Artificial Intelligence, Digital Signal Processing in Bio Medical application, Embedded System.

Qualification

B.E(Electronics), M.E. (E&TC)

About

Professional experience in Academics is of 12 Years. Area of research is bio-medical signal processing. Pursuing Ph.D. in optimal signal detection of Electroencephalography electrodes for epilepsy disorder detection.

Research Paper

National Journal	--
International Journal	01
National Conference	4
International Conference	01
Books Published	—
Patents	-
Invited as Resource Person	00
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Optimized Channel selection of Real Time EEG Signal for classification and seizure detection using Machine Intelligence.

Awards and Recognition

NIL

Recent Five Publications

- ◆ Paper published in National level Conference NCETACT 2014 in DYP-COE, Akurdi , “Development of Depth measurement system and wireless transceiver using GPS and echo sounder for survey applications” , 9th -10th Jan 2015.
- ◆ Paper presented in National Level Conference at MIT Alandi, “ Design and Implementation of high speed 16 X16 multiplier using vedic mathematics”
- ◆ State level Project Exhibition DIPEX-2013 displayed a project “3D display Cube”6th- 10th March 2013
- ◆ Paper presented in National Level Conference at MIT Alandi, “Self Decisive Digital Robot” , 8th February 2013
- ◆ Ms Rohini More, Mr. R.S. Kawitkar, “Disorder approximation using EEG signal analysis” in National Conference on Advances in Digital Signal Processing NCADSP-2010, October 22-23,2010/pp 12-13.
- ◆ R M More, R S Kawitkar , “ Ancient Indian Vedic Mathematics for VLSI and Embedded System Implementation” in National Conference on Pervasive Computing NCPC-2010, April 9-10, 2010 \ PP 100.



Mrs. Snehal S. Gaikwad
E&TC Engineering
Assistant Professor

Name of Faculty

Mrs. Snehal Sanjay Gaikwad

Department and Designation

E&TC, Assistant Professor

Domain

Wireless Communication

Qualification

B.E(E&TC), M.E. (E&TC), Ph.D Pursuing (Communication)

About

Dedicated, hardworking and sincere assistant professor with professional experience of 11years. Well skilled in communication related subjects. Actively work to connect students to the academics n other activities.

Research Paper

National Journal	—
International Journal	02
National Conference	01
International Conference	01
Books Published	—
Patents	-
Invited as Resource Person	
Guided PhD	-

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

MIMO OFDM for Optical Communication

Awards and Recognition

NIL

Recent Five Publications

- ◆ Shikha Nema, Snehal Gaikwad, “ Transmission of MIMO-OFDM signal using optical ink”, International Organization of Scientific Research Journal of Engineering (ISSN 2250-3021), Vol 2, Issue 5, pp 1207-1211, May 2012.
- ◆ Shikha Nema, Snehal Gaikwad, “MIMO-OFDM for Optical Communication”, International Conference on Recent Technologies, Organized by Institute of Knowledge college of Engineering Shirur at Pune, Feb 2012.
- ◆ Shikha Nema, Snehal Gaikwad, “MIMO Technology for Wireless Sensor Network”, International Journal of Computer Science and Communication Networks (ISSN:2249- 5789), Vol1(2), pp.105-110, Oct-Nov 2011.
- ◆ Shikha Nema, Snehal Gaikwad, “MIMO-OFDM A Review”, National Conference on Innovations in Electronics, Computer and IT(IECIT)-2011, organized by Vidyalkar Institute of Technology, Vadala, Mumbai, March 2011.



Mr. Yogesh Shirke
E&TC Engineering
Assistant Professor

Name of Faculty

Mr. Yogesh Shirke

Department and Designation

E&TC, Assistant Professor

Domain

Communication Networks, Hardware & Networking, ANN

Qualification

B.E.(E&TC), M.E.(E&TC-Communication Networks)

About

Passionate, enthusiastic, Expertise in hardware & networking, Integrated Circuits, communication networks with 6 years of experience.

Research Paper

National Journal	--
International Journal	04
National Conference	—
International Conference	01
Books Published	—
Patents	—
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ Raosaheb Pawar, Yogesh Shirke, Prashant Titare, "Speed Control of DC motor using Programmable Logic Controller", International Journal Of Advanced Research in Engineering & Management (IJAREM) 2017, Vol. 03, Issue 02, ISSN: 2456-2033, PP14-16
- ◆ Raosaheb Pawar, Yogesh Shirke, Prashant Titare, "Noise reduction in MEMS Accelerometer by using Kalman Filter", Asian Journal of Conver-gence in Technology, Volume III, Issue II Issn No.:2350-1146
- ◆ Raosaheb Pawar, Yogesh Shirke, Prashant Titare, Supriya Narwade, "Performance Evaluation of an Anti-Lock Braking System" at the international Conference on Recent Innovation in Electrical, Electronics, Computer and Mechanical Engineering (ICRIIEECME) held at Nagpur, India on 27th August, 2017



Mrs. Aditi Chaudhuri
ELEX Engineering
Assistant Professor

Name of Faculty

Mrs. Aditi Chaudhuri

Department and Designation

E&TC, Assistant Professor

Domain

VLSI Design, Microwave Engineering

Qualification

B.E(EC), MTech. (Electronics)

About

Versatile, Innovative and energetic about teaching learning profession with total teaching experience of 10 years. Expertise in VLSI Design, Mobile Communication and Microwave Engineering.

Research Paper

National Journal	01
International Journal	01
National Conference	-
International Conference	02
Books Published	-
Patents	-
Invited as Resource Person	-
Guided PhD	-

Patents (Filed / Published)

NIL

Details of Sponsored Projects

Swarm Robotic Application in agriculture application

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ “Controlling a Raspberry Pi Robot over Internet with HTML & Shell Scripts” by Chaudhuri Aditi, G. Jadhav Ashish, Ranjan Ashish, Ankit - International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395 -0056 Volume: 04 Issue: 03 Mar -2017 www.irjet.net p-ISSN: 2395-0072 2017, IRJET Impact Factor value: 5.181 ISO 9001:2008 Certified Journal Page 2045
- ◆ “Wireless Animatronic Hand Using Control Glove” ” By Chaudhuri Aditi, Abhishek Sarode, Mahadev Tidke, Omkar Kulkarni - International Journal Of Pure And Applied Research In Engineering And Technology, IJPRET 2016 Volume 4 Issue 9 page no 83
- ◆ “Face detection system for security purpose using raspberry Pi” Mrs. Aditi Chaudhuri, Ajay shep, rahul padune, Deepak kumar International Conference on Engineering Innovations and Solutions (ICEIS – 2016)



Mrs. Rutuja A. Deshmukh
E&TC Engineering
Assistant Professor

Name of Faculty

Mrs. Rutuja A. Deshmukh

Department and Designation

E&TC, Assistant Professor

Domain

Signal Processing, VLSI, Communication

Qualification

B.E(E&TC), M.E. (VLSI), Ph.D Pursuing (Electronics)

About

I have submitted my Ph.D in 2017. I am a resolute, diligent, and innovative professional. Working in this institute from 2013, having total 6.5 years of experience. My area of interest is Signal Processing, VLSI, Artificial Intelligence, and Communication.

Research Paper

National Journal	--
International Journal	08
National Conference	—
International Conference	03
Books Published	—
Patents	02
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

- ◆ Patent ID #1: No.201721039713 A (2017): An innovation in Interleaver with high dimensional encoding using hybrid group search optimizer, Mrs. Rutuja A. Deshmukh , Dr. Ashish Panat, Dr. Mrs. P. Malathi, Dr. D.G.Khairnar.,2017
- ◆ Patent ID #2. No.201621039336 A (2016): An Alteration In Turbo Encoder And Its Interleaver For Optimal Transmission Of High Dimensional Data

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Low Power Voltage Regulator

Awards and Recognition

- ◆ Working as Operations consultant with Duralloy India Pvt.Ltd from 2017-18.
- ◆ Successfully competed a two weeks AICTE approved Foundation Program in ICT, organized by IIT Bombay.
- ◆ Elite certification in NPTEL for the course of “ Outcome Based Pedagogy Principles for Effective teaching.

Recent Five Publications

- ◆ Rutuja Deshmukh, Dr. A.R. Panat “Designing Interleaver for High Dimensional Data Transmission Using Hybrid GSO” in IEEE International Conference on Wireless Communications, Signal Processing and Networking held at Chennai, India during 22-24 March 2017
- ◆ Rutuja Deshmukh, Dr. A.R. Panat “Interleaver with High Dimensional Encoding Principle Using Hybrid Group Search Optimizer” in IEEE International Conference on Wireless Communications, Signal Processing and Networking held at Chennai, India during 22-24 March 2017
- ◆ Rutuja Deshmukh, Dr. A.R. Panat “On theory and performance of high throughput parallel block and S-random interleavers for Turbo Codes” in IJECS, International Journal of Engineering and Computer Science Volume 5, Issue 12, December 2016, ISSN: 2319-7242,
- ◆ Kajal Bambole, Rutuja Deshmukh “Mapping of Turbo Encoded bits with 64-QAM modulator for spectral efficiency in LTE” in IJARCCCE, International Journal in Advanced Research in Computer and Communication Engineering Volume 5, Issue 6, June 2016, ISSN: 2319-5940.
- ◆ Kajal Bambole, Rutuja Deshmukh, Dr. A.R. Panat “A review on Adaptive Modulation and Turbo coding in LTE” in IJETER, International Journal of Emerging Technologies in Engineering Research Volume 4, Issue 7, July 2016, ISSN- 2454-6410.



Mr. Prabhu Raddy
E&TC Engineering
Assistant Professor

Name of Faculty

Mr. Prabhu Raddy

Department and Designation

E&TC, Assistant Professor

Domain

Wireless Communication

Qualification

B.E(EC), M.E. (Digital Communication)

About

Teaching Passionate, Innovative approach, 5 years of experience. Interested to work with wireless technologies and to come up with better communication solutions

Research Paper

National Journal	--
International Journal	05
National Conference	1
International Conference	5
Books Published	—
Patents	01
Invited as Resource Person	02
Guided PhD	--

Patents (Published)

Patent ID 201821014988 Smart Lighting & Signaling System for efficient Usage of Battery Power in Vehicles by Mr. Prabhu Raddy & Mr. Niket Bhathambre published on 11th May 2018

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Adaptive carrier aggregation for next generation networks

Awards and Recognition

NIL

Recent Five Publications

- ◆ Prabhu Raddy, "Multiple Attributes Based Vertical Handover Decision Algorithm For Next Generation Networks", Jour. of comm technology, Electronics and Computer Science (Free Journal), Vol.5, Issue 12, pp.20-25, 2017.
- ◆ Arathi R Shankar, Prabhu Raddy, V Sambhasiva Rao "Concurrent Scanning for High Quality Hand Over Support in Mobile WiMAX Networks",
- ◆ Arathi R Shankar, Prabhu Raddy, V Sambhasiva Rao "Efficient Routing Protocol for Hand over Delay Minimization in Mobile WiMAX using Concurrent Scanning",
- ◆ Arathi R Shankar, Prabhu Raddy, "Analysis of Mobile WiMAX 802.16e Physical Layer Performance for Multimedia Communication
- ◆ Mr. Prabhu Raddy & Mr. Niket Bhathambre "Smart lighting & signaling system for efficient usage of battery power in vehicles"



Mr. Sagar Bhavsar
E&TC Engineering
Assistant Professor

**Name of Faculty Department
and Designation**

Mr. Sagar Bhavsar
E&TC, Assistant Professor

Domain

Electronics & Telecommunication

Qualification

B.E(E&TC), M.Tech (Digital Comm)

About

Hardworking, Sincere, Motivated Electronics & Telecommunication Engineer with 8 years Experience. Research domain is digital communication

Research Paper

National Journal	--
International Journal	03
National Conference	04
International Conference	—
Books Published	—
Patents	—
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Multicarrier Power Reduction using simulation Software.

Awards and Recognition

NIL

Recent Five Publications

- ◆ Paper Published in Synthetic Speech Spoofing Detection using MFCC and SVM in IOSR Journal of Engineering (IOSRJEN)
- ◆ PAPER PUBLISHED IN “International Journal of Electronics Communication & Computer Engineering” ON TOPIC “An Partial Transmit Sequence (PTS) techniques for PAPR Reduction in OFDM Signal” ISSN(online):2249-071X ISSN(print):2278-4209 Volume 4, Issue 5, Page No. 1510-1513.
- ◆ PAPER PUBLISHED IN “International Journal of Electronics, Communication & Soft Computing Science & Engineering” ON TOPIC “An Overview On PAPR Reduction In OFDM By PTS Technique” ISSN:2277-9477, Volume 2, Issue 5,Page No. 1-4.



Mr. Prashant Titare
E&TC Engineering
Assistant Professor

Name of Faculty

Mr. Prashant Titare

Department and Designation

E&TC, Assistant Professor

Domain

Embedded System & VLSI

Qualification

B.E(E&TC), M.Tech (VLSI Design)

About

Dedicated, passionate and deterministic E&TC engineer, having 3 years of experience with expertise in Embedded System & VLSI Design. Would like to do more research on Embedded Systems, Robotics and VLSI design

Research Paper

National Journal	--
International Journal	3
National Conference	--
International Conference	1
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Faster FPGA development Board

Awards and Recognition

NIL

Recent Five Publications

- ◆ Kishor Bhangale, Prashant Titare, Raosaheb Pawar, Sagar Bhavsar, "Synthetic Speech Spoofing Detection Using MFCC and Radial Basis Function SVM" IOSR Journal of Engineering (IOSRJEN) www.iosrjen.org ISSN (e): 2250-3021, ISSN (p): 2278-8719 Vol. 08, Issue 6 (June. 2018), ||V (I) || PP 55-61
- ◆ Supriya Narwade, Yogesh Shirke, Prashant Titare "Performance Evaluation of an Anti-Lock Braking System" International Journal of Mechanical And Production Engineering, ISSN: 2320-2092, Volume-5, Issue-10, Oct.-2017
- ◆ Raosaheb Pawar, Yogesh Shirke, Prasahant Titare, "Speed Control of DC motor using Programmable Logic Controller" International Journal named IJAREM Vol. 03, Issue 02, 2017
- ◆ Raosaheb Pawar, Yogesh Shirke, Prasahant Titare "Noise reduction in MEMS accelerometer by using Kalman Filter" in Asian journal of Convergence of Technology, Vol. 3, issue2, ISSN no 2330-1146, www.asianssr.org, April-2017

Name of Faculty

Mr. Raosaheb Pandurang Pawar

Department and Designation

E&TC, Assistant Professor

Domain

Control system

Qualification

B.E(E&TC), M.Tech (Control and Automation)

About

Dedicated, resourceful, and innovative professional, having 3 years of experience. Interested to do research in Control System

Mr. Raosaheb PawarE&TC Engineering
Associate Professor**Research Paper**

National Journal	--	NIL
International Journal	03	
National Conference	01	
International Conference	--	
Books Published	--	
Patents	--	
Invited as Resource Person	--	
Guided PhD	--	

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Noise reduction in MEMS accelerometer by using kalman filter

Awards and Recognition

NIL

Recent Five Publications

- ◆ Kishor Bhangale, Prashant Titare, Raosaheb Pawar, Sagar Bhavsar, "Synthetic Speech Spoofing Detection Using MFCC and Radial Basis Function SVM" IOSR Journal of Engineering (IOSRJEN) www.iosrjen.org ISSN (e): 2250-3021, ISSN (p): 2278-8719 Vol. 08, Issue 6 (June. 2018), ||V (I) || PP 55-61
- ◆ Supriya Narwade, Yogesh Shirke, Prashant Titare "Performance Evaluation of an Anti-Lock Braking System" International Journal of Mechanical And Production Engineering, ISSN: 2320-2092, Volume- 5, Issue-10, Oct.-2017
- ◆ Raosaheb Pawar, Yogesh Shirke, Prasahant Titare, "Speed Control of DC motor using Programmable Logic Controller" International Journal named IJAREM Vol. 03, Issue 02, 2017
- ◆ Raosaheb Pawar, Yogesh Shirke, Prasahant Titare "Noise reduction in MEMS accelerometer by using Kalman Filter" in Asian journal of Convergence of Technology, Vol. 3, issue2, ISSN no 2330-1146, www.asianssr.org, April-2017



Mr. Kishor Bhangale
E&TC Engineering
Assistant Professor

Name of Faculty

Mr. Kishor B. Bhangale

Department and Designation

E&TC, Assistant Professor

Domain

Machine Learning, Pattern Recognition,
Deep learning

Qualification

B.E (Electronics), M.E. (Embedded System
& VLSI)

About

Goal oriented, agile, & deterministic Electronics & Telecommunication engineer, having 7 years of experience with expertise in pattern recognition & machine learning

Research Paper

National Journal	--
International Journal	06
National Conference	01
International Conference	04
Books Published	—
Patents	—
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Multiview Object detection and recognition in videos using DNN

Awards and Recognition

◆ Nil

Recent Five Publications

- ◆ A. Sonawane, M. U. Inamdar and K. B. Bhangale, "Sound based human emotion recognition using MFCC & multiple SVM," **IEEE** International Conference on Information, Communication, Instrumentation and Control (ICICIC), Indore, 2017, pp. 1-4.
- ◆ N. Kure, M. S. Biradar and K. B. Bhangale, "Local neighborhood analysis for fabric defect detection," **IEEE** International Conference on Information, Communication, Instrumentation and Control (ICICIC), Indore, 2017, pp. 1-5.
- ◆ Kishor B. Bhangale, Raosaheb Pawar, Prashant Titre, Sagar Bhavsar, "Synthetic Speech Spoofing Detection using MFCC and Radial Basis Function SVM," IOSR Journal of Engineering(UGC Approved), Vol. 8, Issue 6, June 2018.
- ◆ Vaibhav Karlekar, Kishor Bhangale "Fabric Defect Detection using Wavelet Filter," **IEEE** International Conference on Computing, Communication, Control and Automation, Feb 2015.
- ◆ Gayatri Jabshetty, M. S. Biradar, K. B. Bhangale "Object Detection using Regionlet Transform," **IEEE** International Conference on Computing, Analytics and Security Trends (IEEE CAST-2016), 2016.



Ms. Lina Desai
E&TC Engineering

Name of Faculty

Ms.Lina Desai

Department and Designation

E&TC, Assistant Professor

Domain

Digital Signal Processing, Wireless Communication

Qualification

B.E(EC), M.E. (E&TC)

About

Dynamic, sincere and innovative professional, having 09 years of experience in area of Digital Signal Processing, Communication field and Networks

Research Paper

National Journal	--
International Journal	—
National Conference	04
International Conference	03
Books Published	—
Patents	—
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

- ◆ Patent Id#201821013833 (2018)Magnesium Monitoring In Banana Crop Using Contactable Wireless Sensor Network ,Lina Desai.
- ◆ Patent Id#201821024242(2018)Scalable And Energy Efficient Communication Using Multirate Sampling For 5g , Lina Desai, Dr.D.G.Khairnar.

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Magnesium Monitoring Wireless Sensor

Awards and Recognition

NIL

Recent Five Publications

- ◆ Lina Desai, Vandana Rohokale, Dilip Khairnar, "Scalability and Energy Efficient Communication using Multirate sampling for 5G", Vol. 1, PP 32-35; AREEE, ISSN 2349-5812, Delhi, 2014.
- ◆ Lina Desai, Ankit Jain, V. N. Patil, "Laser Rapid Manufacturing using Image Processing" PP-308-312, ICACM, ISBN 978-81-921768-0-2, Pune, 2012 3
- ◆ Lina Desai, "Closed Loop Manufacturing using Signal Processing", National Level Paper Presentation, ePGCON, Pune, 2012.
- ◆ Lina Desai, "Image Processing – LRM", National Level Technical Symposium – Converges, Shirpur, 2012.
- ◆ Lina Desai, "LRM Using Digital Image Processing", National Level Techmate, RAIT, Mumbai, 2011



Swati Subhash Jadhav

E&TC Engineering
Assistant Professor

Name of Faculty

Swati Subhash Jadhav

Department and Designation

E&TC, Assistant Professor

Domain

Machine Learning , Deep Learning, VLSI

Qualification

B.E(E&TC),M.E. (VLSI and ES)

About

Dedicated, resourceful professional, having 12 years of experience with knowledge of basic fundamentals in telecommunication field.

Research Paper

National Journal	--
International Journal	01
National Conference	--
International Conference	02
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

Nil

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Object tracking on FPGA

Awards and Recognition

Nil

Recent Five Publications

- ◆ Hardware Implementation of Object Tracking, International Conference on Advances in Science, Engineering and Technology, pp.33-35, Pune,14th August,2016
- ◆ Particle Filter Based Object Tracking in Video”, International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE), Vol. 5, Issue 6, pp. 1790-1793, June 2016.
- ◆ Optimized PID controller for FOPDT processes with constraints on maximum sensitivity and measurement noise sensitivity”, International Conference on Process Automation, Control and Computing (PACC), Coimbatore, 20 - 22 July 2011.

Name of Faculty

Mrs. Swati Aswale

Department and Designation

E&TC, Assistant Professor

Domain

Embedded System.

Qualification

B.E(E&TC), M.E. (E&TC)

About

14 years of experience in Teaching Field with all resourceful knowledge for VLSI and Embedded systems Design and Technology.

Mrs. Swati Aswale

E&TC Engineering
Assistant Professor

**Research Paper**

National Journal	--
International Journal	02
National Conference	--
International Conference	02
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

NIL

NIL

NIL

Sponsored Projects**Details of Products (Developed/ Ongoing)**

Smart Garbage Collection system

Awards and Recognition**Recent Five Publications**

- ◆ S.P.aswale, "MP3 File Retrieval", international conference on advances in Computer technology and Management (ICActm-2018).
- ◆ Mrs. Swati Aswale, "Dairy automation system", in the proc. of International Journal for Engineering Applications and Technology, e-ISSN:2321-8134, March 2017
- ◆ Mrs. Swati Aswale, "Smart Garbage Collection system", in the proc. of International Journal for Engineering Applications and Technology, e-ISSN:2321-8134, March 2017.
- ◆ Mrs. Swati Aswale, "Music file Retrieval", in the proc. of International Conference on Paradigm Shift commerce, engineering, technology and social science., February 2014.

Name of Faculty

Mrs. Shilpa Swapnil Jagtap

Department and Designation

E&TC, Assistant Professor

Domain

Digital Communication

Qualification

B.E.(Electronics), M.E. (E&TC)

About

Dedicated, Resourceful, having expertise in VLSI design and FPGA programming, interested in doing research in the domain of Deep Learning. Area of interest is Object tracking in video, video Audit, action tracking in video.



Mrs. Shilpa S. Jagtap
E&TC Engineering

Research Paper

National Journal	--
International Journal	01
National Conference	—
International Conference	01
Books Published	—
Patents	—
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Unmanned aerial vehicle

Awards and Recognition

NIL

Recent Five Publications

- ◆ “WATER MANAGEMENT FOR PRECISION AGRICULTURE USING AN- DROID APPLICATION “, Pratik Chopade and Shilpa Jagtap, International Journal of Computer Engineering and Applications , Dec. 2017.



Mrs. Shailaja S. Yadav
E&TC Engineering
Assistant Professor

Name of Faculty

Mrs. Shailaja Sandip Yadav

Department and Designation

E&TC, Assistant Professor

Domain

Mechatronics

Qualification

B.E(E&TC), M.E. (E&TC)

About

Resourceful, Hardworking and Passionate professional having 13 years of teaching experience with Artificial Intelligence and Electronics system Design.

Research Paper

National Journal	--
International Journal	01
National Conference	--
International Conference	--
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Speaker Identification system using VQ model

Awards and Recognition

NIL

Recent Five Publications

- ◆ Shailaja S Yadav and D.G.Bhalke, "Speaker Identification System Using Wavelet Transform and VQ Modeling Technique" International Journal of Computer Applications, Feb.2015.



DEPARTMENTAL RESEARCH ACTIVITIES

Six months report of Research Center from January 2018 to June 2018

Head of Research Center : Dr. Vijay M. Wadhai, Principal DYPCOE-Akurdi

**Co-ordinators : Dr. Manish Sharma, Associate Professor, DYPCOE- Akurdi
Mrs. Rutuja A. Deshmukh, Assistant Professor, DYPCOE- Akurdi**

**Guides : 1. Dr. Mrs. P. Malathi, Vice Principal DYPCOE-Akurdi
2. Dr. D.G. Khairnar, Professor DYPCOE-Akurdi
3. Dr. Mrs. A.V.Kulkarni, Principal DYPIEMR-Akurdi
4. Dr. Mrs. Sangeeta Jadhav, Professor, AIT-Pune**

**No. of Selected students : 1. 10 students are selected in round I for AY 2017-18.
2. 04 students are selected in Round II of Personal Interview
and report is submitted to SPPU for approval.**

List of Selected Students :

Round I of Personal Interviews for AY 2017-18		
Sr. no.	Name	Status
1	Saraf Kundankumar Rameshwar	Selected
2	More Rohini Manohar	Selected
3	Patil Dhanashri Vishwasrao	Selected
4	Gaikwad Snehal Sanjay	Selected
5	Rajput Manisha Ranjitsing	Selected
6	Vitankar Pankaj Shankar	Selected
7	Doorwar Minaxi	Selected
8	Pandit Dipti Pratik	Selected
9	Ranawade Smita Atmaram	Selected
10	Hire Dnyanda Namdeo	Selected
Round II of Personal Interviews for AY 2017-18		
Sr. no.	Name	Status
1	Shahin Sirajuddin Shaikh	Selected
2	Titare Prashant Sheshrao	Selected
3	Kharat Shraddha Ramesh	Selected
4	Bagal Vishwalata Laxman	Selected

Publications of Guides (From Jan. 2018 to June 2018) :

Sr. No.	Name of Author	Publication	Conference	Patents
1	Dr. Mrs. P. Malathi	1	2	-
2	Dr. D.G. Khairnar	-	1	-
3	Dr. Mrs. A. V. Patil		-	
4	Dr. Mrs. Sangeeta Jadhav		-	

Activities under Research Center:

- 1. Workshop on “Automotive Electronics” from 30th January, 2018 to 1st February, 2018.**
- 2. FDP on “Design flow Automation and Testing in VLSI using Perl” by– Mr. Pankaj Vitankar, was organized on 27th Jan 2018.**



Information Technology



It is indeed my great pleasure to host this research handbook for the first time for the department of information technology. It brings a great feeling of creativity with innovations. The handbook depicts the research achievements of the department faculty members. The faculty members are highly committed and experienced with their vibrant potential to excel with diversified domain of specialization in the field of multidisciplinary and software domains. Their various expertise has always been illustrated in the department through various Innovative students projects, publications of faculty members and students in high reputed research journals at national and international standards. The creativity and intelligence of faculty and students has been exhibited through various live applications developed under software development centre of the department sponsored by M/s Elite Software's. The proposed centre of excellence in data science in association with Aegis school of data science and many industries will also add many ideas to nurture. Various student research activities such as "Saaransh" is a platform for the students to exhibit their ideas to all the stakeholders of the institute.

This is a proud moment for me to share our research achievements and culture under the umbrella of our Esteemed institute. My heartfelt gratitude to our Honourable management members, our respected Principal and Vice Principal for motivating us with their valuable guidance and all the resources and required infrastructure furnished to us, which makes all the innovations and distinguished research possible in the department.

Dr. Preeti Patil
HOD and Associate Professor



Dr. Preeti Patil
Information Technology
Head & Associate Professor

Name of Faculty

Dr. Preeti Patil

Department and Designation

Information Technology
Head & Associate Professor

Domain

Data Analytics, Data Mining

Qualification

PhD in Computer Engg, M.E in Computer Engineering

About

Completed my PhD in Domain of Data ware housing and Mining and currently working in the field of Data Analytics and Business Intelligence.

Research Paper

National Journal	--
International Journal	21
National Conference	43
International Conference	04
Books Published	02
Patents	03
Invited as Resource Person	06
Guided PhD	01

Patents (Filed / Published)

- ◆ Title: Renewable Energy Generation System at Gymnasiums for Smart cities Application, ID : 201721008653, Date : 13/3/2017, Status : Published.
- ◆ Autosensing Mechanism for user friendly vehicle parking in smart cities, Application ID : 201721008654, Date : 13/3/2017, Status : Published
- ◆ System of providing informed decision to the farmer for sustainable agriculture, Application ID : 201721015231, Date : 28/4/2017, Status : Published

Details of Sponsored Projects

- ◆ Sponsored Research Project Title : MODROB, Funding Agency : AICTE, Funding Amount : 6.5 lakhs, Year : 2017.

Details of Products (Developed/ Ongoing)

- ◆ Product Title : Water Level Alert system for Kolhapur, Domain : Security, IP Valuation : 25000, Year : 2017, Status : Completed.
- ◆ Product Title : E—Mandi for Kaneri, Kolhapur, Domain : E commerce, IP Valuation : 25000, Year : 2016, Status : Completed.
- ◆ Product Title : MIS, CSE Dept, KITCoEK, Domain : Database, IP Valuation : 10000, Year : 2016, Status : Completed.

Awards and Recognition

- ◆ “Distinguished HOD” Award BY CSI Mumbai During TECHNEXT 2016
- ◆ Member of IAENG, Life Member of CSI, ISTE.
- ◆ Headed the BOS Committee as chairman for Computer Dept. at KIT CoEK under Autonomous status.
- ◆ Managing Editor for 7 International Journals with high impact factor.
- ◆ Reviewer for 5 International Journals of High Repute.

Recent Five Publications

- ◆ “Improvement in the efficiency of web based search engines by Increasing the page rank based on referring factors”. In international Journal of Information Technology & Management Information System (IJITMIS), volume 5, Issue 1, January - April (2014), pp. 53-59. Journal Impact Factor (2014): 6.2217 Calculated by GISI
- ◆ “Network Traffic Optimization For Performance Improvement In The Web Service Infrastructures By Categorization Of The Web Contents With Size Reduction Approach”. In in International Journal of Advanced Research in Engineering & Technology (IJARET), Volume 5, Issue 4, April (2014), pp. 198-204 Journal Impact Factor (2014): 7.8273 Calculated by GISI
- ◆ “Integrated ERP System For Improving the Functional Efficiency of the Organization by Customized Architecture”, International Journal of Computer Engineering & Applications, ISSN 23221-3469, Volume IV, Issue III, May 2014, Pages 112-120. (Journal Impact Factor: 2.849)

Name of Faculty

Dr Mrs Madhuri A Potey

Department and DesignationInformation Technology
Associate Professor**Domain**

Information Retrieval, Software Engineer-

Qualification

B.E. M.B.A. M.E. PhD.(Computer Engg.)

About

Wish to contribute to the cause of quality education and Research.



Dr Madhuri Potey
Information Technology
Associate Professor

Research Paper

National Journal	—
International Journal	25
National Conference	07
International	28
Books Published	—
Patents	—
Invited as Resource Person	02
Guided PhD	—

NIL

of Sponsored Projects

BCUD funded research project going on - Multilingual Question Answering System for Indic and Dravidian Languages (2016-18)

BCUD funded research project completed on - Developing New Strategies for Performance Improvement of Data Mining & Business Intelligence System (2008-10)

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Professional Member of Association of Computing Machinery since 2009.
- ◆ Life Member of ISTE India.
- ◆ Editor of Magazine "Abhiviyakti" which received first prize from SPPU in 2012-13

Recent Five Publications

- Published paper in International Journal of Information Retrieval Research on "Personalization Approaches for Ranking: A Review and Research Experiments" (2017)
- Published paper in International Conference on Computing, Analytics and Security Trends (CAST), on "Human activity monitoring using incremental SVM in health care domain " (2016)
- Published paper in International Conference on Computing Communication Control and automation (ICCUBEA), on "Extending hybrid Conditional Random Fields approach of Named Entity Recognition for Marathi tweets" (2016)
- Published paper in Imperial Journal of Interdisciplinary Research on "A Style based Instrumental Music Retrieval using Codebook Ap-proach" (2016)
- ◆ Published paper in Journal of Computer Engineering (IOSR-JCE) "Associated Edge Weight Approach to Improve Personalized Rank-ing" (2016)



Mr. Abhijit J. Patankar
Information Technology
Assistant Professor

Name of Faculty

Mr. Abhijit J. Patankar

Department and Designation

Information Technology
Assistant Professor

Domain

Data Mining, Data Science

Qualification

B.E(Computer),M.E(Computer),
PhD Persuing

About

Persuing PhD from VTU Belgavi. having 17 years of Teaching experience and interested in real time problem solving and solution at Industry & Academic level

Research Paper

National Journal	--
International Journal	03
National Conference	03
International Conference	01
Books Published	04
Patents	--
Invited as Resource Person	02
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ Secure Fragment and Replica Allocation of Data Using Geo-Social Attributes in Cloud Dr. Kotrappa Sirbi ,Mr. Abhijit Janardan Patankar, Dr. Kshama V. Kulhalli International Journal of Innovative Research in Computer and Communication Engineering (An ISO 3297: 2007 Certified Organization) Website: www.ijirce.com Vol. 5, Issue 6, June 2017.
- ◆ LINKZONE: SOCIAL NETWORKING RECOMMENDER SYSTEM Dr. Kotrappa Sirbi ,Mr. Abhijit Janardan Patankar, Dr. Kshama V. Kulhalli, International Conference on Advances in Computer Technology and Management (ICACTM) In Association with Novateur Publications IJPET-ISSN No: 2454-7875 ISBN No. 978-81-921768-9- 5 February, 23rd and 24th, 2018 pp12
- ◆ AN EFFICIENT NEAREST KEYWORD SET SEARCH IN MULTI-DIMENSIONAL DATASETS Dr. Kotrappa Sirbi ,Mr. Abhijit Janardan Patankar, Dr. Kshama V. Kulhalli, International Conference on Advances in Computer Technology and Management (ICACTM) In Association with Novateur Publications IJPET-ISSN No: 2454-7875 ISBN No. 978-81-921768-9- 5 February, 23rd and 24th, 2018 pp 27
- ◆ A TEXT BASED GRAPHICAL PASSWORD SYSTEM TO OVERCOM SHOULDER SURFING ATTACKS Dr. Kotrappa Sirbi ,Mr. Abhijit Janardan Patankar, Dr. Kshama V. Kulhalli, International Conference on Advances in Computer Technology and Management (ICACTM) In Association with Novateur Publications IJPET-ISSN No: 2454-7875 ISBN No. 978-81-921768-9- 5 February, 23rd and 24th, 2018 pp31
- ◆ “Re-balancing approach using CACO approach in Multi cloud environment” Dr. Kotrappa Sirbi , Mr. Abhijit Janardan Patankar, Dr. Kshama V. Kulhalli, Paper published in International conference ICTSET2018 on 9th and 10th may 2018 and also selected for publication in Scopus Indexed Journal.

Name of Faculty

Mrs. Aarti S.Gaikwad

Department and DesignationInformation Technology
Assistant Professor**Domain**

Image Processing, Wireless Mobile N/W

Qualification

B.E(E&E),M.E.(Digital System). PhD Pursuing

About

To excel in my work area and to add value to the present education system. To make the most of my potential and discover new horizons in the field of Teaching.

Mrs. Aarti S.Gaikwad
Information Technology
Assistant Professor

**Research Paper**

National Journal	--
International Journal	05
National Conference	01
International Conference	02
Books Published	01
Patents	--
Invited as Resource Person	--
Guided PhD	--

NIL

or Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

Membership of IAENG NPTEL Online Certification

Recent Five Publications

- ◆ Published a Research paper entitled “**Design Low-Power and Area-Efficient Shift Register Using SSASPL pulsed Latch**” in International Journal & Magazine of Engineering, Technology, Management and Research.(Website: www.ijmetr.com, ISSN (Online): 2348-4845, Volume 4, Issue 6,Page No.341-348 June 2017).
- ◆ Published a Research paper entitled “**Design of Power and Area optimized 6T Latch for Shift Registers Using Pulsed Latches**” International Journal of Innovative Research in Computer and Communication Engineering. (Website:www.IJIRCCE.com,ISSN(Online):2320 -9801,ISSN(Print):2320 - 9798 ,Volume 5,Issue 4,April 2017).
- ◆ Published a Research paper entitled “**Personalized News Recommendation System Based on Consumers Click Behavior**” International Journal of Innovative Research in Computer and Communication Engineering. (Website:www.IJIRCCE.com,ISSN(Online):2320 -9801,ISSN(Print):2320 - 9798 ,Volume 5,Issue 4,April 2017).
- ◆ Published a Research paper entitled “**Enhancement of video on FPGA using guided filter**” International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT) International Institute of Information Technology (I²IT), Pune, 2016. 978-1-5090-2080-5/16
- ◆ Published a Research paper entitled “**Area and Power efficient High Speed VoltageComparator**” International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT) International Institute of Information Technology (I²IT), Pune, 2016. 978-1-5090-2080-5/16



Mr.Kalyan Bamane
Information Technology

Name of Faculty

Mr. Kalyan Bamane

Department and Designation

Information Technology
Assistant Professor

Domain

Networking ,Software Engg. Distributed systems

Qualification

B.E(CSE), M.E.(CE) ,PhD Pursuing

About

Very Eager to face Challenges and solve problems that gives better exposure to my skills and abilities .Always thinks about betterment of organization.

Research Paper

National Journal	--
International Journal	08
National Conference	03
International Conference	05
Books Published	02
Patents	--
Invited as Resource Person	02
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

3

Details of Products (Developed/ Ongoing)

01

Awards and Recognition

PG Teacher recognition in computer engineering of SPPU.

Recent Five Publications

- ◆ Published a Research paper entitled in 3rd International Conference on Recent Trends in Engineering & Technology (ICRTET 2014), Elsevier Publication with ISBN No: 978-93-5107-220-1. **Topic** : “Secure Data Aggregation In Wireless Sensor Network: Filtering Out Attackers Impact”
- ◆ International conference on Advances in Computer Technology and Management 2018(ICACTM-18). Topic : Secure Data Aggregation In Wireless Sensor Network: Filtering Out Attackers Impact”
- ◆ Presented a Research paper “in 3rd International conference on Computing, Control and Automation (ICCUBEA-2017)Technically
- ◆ Co-sponsored by IEEE Pune Section. **Topic**: “Secure Data Aggregation In Wireless Sensor Network : Filtering Out Attackers Impact”
- Published a Research paper in International Journal of Innovative Research in Computer and Communication Engineering. (Website: www.ijircce.com (A ISO 3297:2007 Certified), ISSN (Online): 2320-9801, ISSN (Print): 2320-9798 Volume 5, Issue 7,july 2017 Topic : “Web Services Hash Table based Automation Testing” .
- Published a Research paper in in International Journal of Innovative Research in Computer and Communication Engineering. (Website: www.ijircce.com (A ISO 3297:2007 Certified), ISSN (Online): 2320-9801, ISSN (Print): 2320-9798 Volume 5, Issue 6,june 2017 Topic : “Two level duplication using SHA-256 Algorithm for resemblance Detection”



Mrs. Amita Jajoo
Information Technology
Assistant Professor

Name of Faculty

Mrs. Amita Jajoo

Department and Designation

Information Technology
Assistant Professor

Domain

Data structure, Software Engineering

Qualification

B.E(CE), M.E.(CE)

About

For my Master degree my research area was computer vision in which I have done extraction of scene content from images and video.

Research Paper

National Journal	--
International Journal	10
National Conference	05
International Conference	01
Books Published	03
Patents	--
Invited as Resource Person	03
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Resource person for Outcome Based Education- Best Practices Workshop at D Y Patil College of Engineering and Technology , Kolhapur.
- ◆ Resource person for LText workshop at Alard college of Engineering and Mnaagment , Pune.
- ◆ Runner-up in Technical Track-Distinguish Facilitator of Inspire Faculty Excellence Award by Campus Connect INFOSYS

Recent Five Publications

- ◆ Published a Research paper entitled "Autonomous RC Car Using Neural Network and Deep Learning" in International Journal of Innovative Research in Computer and Communication Engineering.(Website: www.ijircce.com (A ISO 3297:2007 Certified), ISSN (Online): 2320-9801, ISSN (Print): 2320-9798 Volume 6, Issue 6,Page No.6208-6215 June 2018).
- ◆ Published a Research paper entitled "Identifying The Interest Factors Affect Purchase Behavior In An Online Shopping Context" in International Journal For Science and Advance Research in Technology.(Website: www.ijsart.com , ISSN (Online): 2395-1052, Volume 3, Issue 4,Page No. 1026-1030, April 2017).
- ◆ Published a Research paper entitled "Customer Profiling and Anomaly Detection in Telecommunication Industry" in International Journal of Innovative Research in Computer and Communication Engineering.(Website: www.ijircce.com (A ISO 3297:2007 Certified), ISSN (Online): 2320-9801, ISSN (Print): 2320-9798 Volume 4, Issue 11, Page No. 19292-19296 November 2016).
- ◆ Published a Research paper entitled "Personalized Photograph Protection by Assigning Policies" in International Journal For Science and Advance Research in Technology.(Website: www.ijsart.com , ISSN (Online): 2395-1052, Volume 3, Issue 5 ,Page No. 67-71, May 2017).
- ◆ Published a Research paper entitled "Web Services For Social Network" in International Journal For Science and Advance Research in Technology.(Website: www.ijsart.com , ISSN (Online): 2395-1052, Volume 3, Issue 4,Page No. 1324-1328, April 2017).



Ms. Ashwini Abhale
Information Technology
Assistant Professor

Name of Faculty

Ms. Ashwini Abhale

Department and Designation

Information Technology
Assistant Professor

Domain

Computer Programming, Networking

Qualification

B.E(CE), M.E.(CE)

About

Having 2 years of teaching experience in Computer Science and Engineering stream as well as well to engineering tools and techniques as per current trend.

Research Paper

National Journal	--
International Journal	06
National Conference	02
International Conference	05
Books Published	04
Patents	--
Invited as Resource Person	02
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of International Association of Computer Science and Information Technology (IACSIT), Singapore. Membership No: 80338718
- ◆ Member of International Association of Engineers (IAENGG), Hong Kong. Membership No: 108780
- ◆ Member of Computer Science Teacher Association (CSTA), New York
- ◆ Member of Association of Computer Machinery (ACM) , New York
- ◆ Member of International Innovative Scientific Research Organization (IISRO), Malaysia, Membership No: 2012 1164

Recent Five Publications

- ◆ Presented paper in 3rd International Conference on Recent Trends in Engineering & Technology (ICRTET 2014), Elsevier Publication with ISBN No: 978-93-5107-220-1. **Topic** : Accident Prevention and Air pollution control using VANET under Cloud Environment
- ◆ Presented paper in International conference on Convergence of Technology I2CT- 2014, IEEE Publication , ISBN No: 9781-4799-3759-2. **Topic** : Motivation towards cost effective roadside communication techniques in vehicular ad hoc network
- ◆ Presented paper in National Conference “35 Year of Relentless Journey Towards Engineering Advancement of Nation Building” Organized by IEI Pune. **Topic**: Implementation the VANET for secure and compport transportation for future in India.
- ◆ Presented paper 2015 International Conference on Technologies for Sustainable Development (ICTSD-2015), Feb. 04 – 06, 2015, Mumbai, India, IEEE Publication, ISBN No: 978-1-4799-8187-8. **Topic** : Monitoring Vehicles and Pollution on Road Using Vehicular Cloud Environment.
- ◆ Presented paper 2016 IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT), At Pune, Dec 2-3, 2016, ISBN No : 978-1-5090-3662-2 **Topic** : Intelligence Transportation Service Using Vehicular Cloud Network.



Mrs. Vishnupriya G S
Information Technology
Assistant Professor

Name of Faculty

Mrs. Vishnupriya G S

Department and Designation

Information Technology
Assistant Professor

Domain

Database Management System, Networking

Qualification

B.Tech.(CSE), M.E.(CSE)

About

I have completed my M.E. in Computer Science and Engineering. My Domain is Wireless sensor Networking. I am interested in Networking, Computer Algorithms and Database Management System.

Research Paper

National Journal	--
International Journal	07
National Conference	04
International Conference	03
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

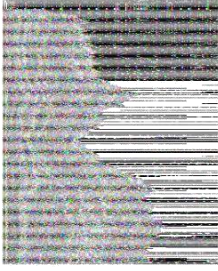
NIL

Awards and Recognition

- ◆ Member of International Association of Engineers (IAENGG), Hong Kong. Membership No: 193353

Recent Five Publications

- ◆ Published paper in International Journal of Advance Research in Science and Engineering: Vol 7 No 5 (2018). **Topic** : Decision Support and Data Mining for Priority Based Donation System.
- Published paper in International Journal of Emerging Technology and Computer Science: Vol 2 No 3 (2017) **Topic** : Promising Direction and Opportunity using Content Centric Network .
- Published paper in International Journal of Emerging Technology and Computer Science: Vol 2 No 3 (2017) **Topic** : DoS and DDoS Attacks: Defence and Detection Mechanism.
- ◆ Published paper in International Journal of Innovative Research in Computer and Communication Engineering, Vol 4 No 11 (2016). **Topic** : Customer Profiling and Anomaly Detection in Telecommunication Industry.
- ◆ Published paper in Imperial Journal of Interdisciplinary Research, Vol 2 Issue 5 (2016) **Topic** : Extraction of film Characters by Matching Graphs Logically.



Mr. Akarsh R Kapasi
Information Technology
Assistant Professor

Name of Faculty

Mr.Akarsh R Kapasi

Department and Designation

Information Technology
Assistant Professor

Domain

Cloud Computing,Networking

Qualification

B.E(ISE), M.Tech.(CSE)

About

I am a researcher, teacher, mentor, positive thinker, motivator and abilities to be part of a challenging and growing organization

Research Paper

National Journal	--
International Journal	05
National Conference	04
International Conference	00
Books Published	01
Patents	--
Invited as Resource Person	00
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of International Association of Engineers (IAENGG), Hong Kong. Membership No: **215139**

Recent Five Publications

- ◆ Published a Research paper entitled **“Autonomous RC Car Using Neural Network and Deep Learning”** in International Journal of Innovative Research in Computer and Communication Engineering.(Website: www.ijircce.com (A ISO 3297:2007 Certified), **ISSN (Online): 2320-9801, ISSN (Print): 2320-9798 Volume 6, Issue 6,Page No.6208-6215 June 2018**).
- ◆ Published a Research paper entitled **“A Report on Improving Website Content by Measuring Site Engagement”** in International Journal of Advance Re-search in Computer and Communication Engineering (website:www.ijarcce.com, (A ISO 3297:2007 Certified), **ISSN (Online): 2278-1021, ISSN (Print): 2319-5940 Volume 5, Issue 11,Page No. 386-390 November 2016**).
- ◆ Published a Research paper entitled **“Image Steganography using Chaotic and Henon Map”** in International Journal of Innovative Research in Engineering and Technology.(Website: www.ijiret.com **Volume 1 , Issue 4, July 2014**).
- ◆ Published a Research paper entitled **“Data hiding in image using Chaotic and Henon Map”** in International Journal of Advance Foundation and Research in Computer (IJAFRC)-**Volume-2,SpecialIssue,January 2015 Page No. 794-799 ISSN: 2348-4853** (website: www.ijafr.com).
- ◆ Published a Research paper entitled **“Character Identification in Movie Using Movie Script”** in International Journal of Research in Information Technology



Mr. Ashish K Saxena
Information Technology
Assistant Professor

Name of Faculty

Ms. Ashish K Saxena

Department and Designation

Information Technology
Assistant Professor

Domain

Digital Image Processing, Cyber Forensics

Qualification

B.E(IT), M.Tech.(CSE), PhD(CSE)(Persuing)

About

I can utilize my skills & abilities to acquire sound knowledge in various fields while at the same time help an organization to achieve their objectives.

Research Paper

National Journal	--
International Journal	13
National Conference	04
International Conference	04
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Editorial Board Member of INTERNATIONAL JOURNAL OF ADVANCE TECHNOLOGY AND ENGINEERING RESEARCH
- ◆ Member of International Association of Engineers (IAENGG), Hong Kong. Membership No: 192099

Recent Five Publications

- ◆ Paper Published in International Journal of Advance Engineering and Research Development March 2018 Volume 5, Issue 3, Title : Indian Railway System Monitoring Regards Passenger Allocation and Reservation.
- ◆ Paper Published in International Engineering Research Journal May 2018 MD Infotech special edition page 1-6 ISSN: 2395-1261 , Title : RestoVilla
- ◆ Paper Published and published in International Journal of Advance Research in Science and Engineering, 9th International Conference On Recent Developments In Engineering Sciences, Humanities And Management, December 2017, Volume 6, Issue 12.
- ◆ Paper Published in International Journal of Advanced Technology & Engineering Research, November 2017 Volume 7, Issue 6 Title : Efficient Method For Haze Removal From Image Captured In Foggy Environment
- ◆ Paper Published in International journal of innovative research in science and engineering , December 2016 Volume 2, Issue 12 Title : Simulation of seamless vertical handoff between UMTS-WLAN



Mrs. Shraddha Shelar
Information Technology
Assistant Professor

Name of Faculty

Mrs. Shraddha T. Shelar

Department and Designation

Information Technology
Assistant Professor

Domain

Information and Network Security

Qualification

B.E(I.T), M.E.(CN)

About

I am an energetic and Enthusiastic person who accepts many challenges for achieving personal goals. My future career aims to work in Information Technology through my abilities, skills, potential in the field of academics.

Research Paper

National Journal	--
International Journal	11
National Conference	01
International Conference	02
Books Published	--
Patents	--
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Membership of IAENG
- ◆ Membership of SDIWC

Recent Five Publications

- ◆ Published a Research paper entitled "Survey on Detection and Prevention of Intrusion" International journal of Trend in scientific research and development (website: www.ijtsrd.com, ISSN (Online): 2456-6470, Volume 2, Issue 4, Page No. 2500-2502 May 2018.
- ◆ Published a Research paper entitled "Secure Cloud Based Centralized Health Improvement through Homomorphic Encryption" in International Research Journal of Engineering and Technology (website: www.irjet.net ISO 3297:2007 Certified), ISSN (Online): 2395-0056, ISSN (Print): 2395-0072 Volume 4, Issue 12, Page No. 1087-1090 December 2017.
- ◆ Published a Research paper entitled "Enhancing Efficiency for ABE through Homomorphic Encryption in Cryptography" International Conference on Transforming Engineering Education International Conference on Transforming Engineering Education. Dec 2017.
- ◆ Published a Research paper entitled "Review of Lucene Indexing Algorithm on public cloud" International Journal for Research in Applied Science & Engineering Technology.(Website: www.ijraset.com, ISSN (Online): 2321-9653 Volume 5, Issue 07, Page No. 265-270.July 2017.
- ◆ Published a Research paper entitled "A Cryptographically Imposed dcp-abe-m Scheme with Attribute based Proxy Re-encryption and Keyword Search in Untrusted Public Cloud" in IIOAB Journal.(Website: www.iioab.org, ISSN (Online): 0976-3104Volume-8, Issue-2, Page No. 21-25 February 2017.



Mr. Vinod Mane
Information Technology
Assistant Professor

Name of Faculty

Mr. Vinod Mane

Department and Designation

Information Technology
Assistant Professor

Domain

Data Mining

Qualification

B.E(CE), M.E.(CE)

About

Having 2 years of teaching experience in Computer Science and Engineering stream as well as well to engineering tools and techniques as per current trend.

Research Paper

National Journal	--
International Journal	06
National Conference	01
International	05
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

Member of International Association of Engineers (IAENGG), Hong Kong. Membership No: 192094

Recent Five Publications

- ◆ Published a Research paper entitled “**Survey on Detection and Prevention of Intrusion**” in International Journal of Trend in Scientific Research and Development (IJTSRD).(Website: www.ijtsrd.com (Open Access International Journal, Peer Reviewed Indexed Journal), ISSN: 2456-6470, Volume 2, Issue 4, June 2018).
- ◆ Published a Research paper entitled “**EFFICIENT METHOD FOR HAZE REMOVAL FROM IMAGE CAPUTERED IN FOGGY ENVIRONMENT**” in International Journal of Advanced Technology & Engineering Research (IJATER) (website:www.ijater.com, (ISO certified: 9001-2008), ISSN: 2250-3536, Volume 7, Issue 6,Page No. 36-41 November 2017).
- ◆ Published a Research paper entitled “**Effective Measurement of Website Engagement to Improve Website Content**” in International Journal of Advance Research in Science and Engineering (IJARSE).(Website: www.ijarse.com, ISSN (Online): 2319-8354, ISSN (Print): 2319-8346 Volume 6, Issue 12, Page No. 1831-1837 December 2017).
- ◆ Published a Research paper entitled “**Simulation of seamless vertical handoff between UMTS-WLAN**” in International Conference on Recent Trend in Engineering, Science & Management, ISBN:978-93-86171-12-2, Page No. 570-575, December 2016).
- ◆ Published a Research paper entitled “**Survey of Privacy Issues in Social Networking**” in International Journal of Science Technology and Engineering-Volume-2,Issue-10,April 2016 Page No. 530-533 ISSN: 2349-784X (website: www.ijste.org).



Ms. Deepali D. Rane
Information Technology
Assistant Professor

Name of Faculty

Ms. Deepali D. Rane

Department and Designation

Information Technology
Assistant Professor

Domain

Cloud Computing, Web Technology

Qualification

B.E(IT), M.E.(CSE)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	05
National Conference	03
International Conference	01
Books Published	--
Patents	--
Invited as Resource Person	02
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of International Association of Engineers (IAENGG), Hong Kong. Membership

Recent Five Publications

- ◆ Published a Research paper entitled "Survey on Detection and Prevention" in International Journal of Trend in Scientific Research and Development. (Website: @ www.ijtsrd.com International Open Access Journal), ISSN No: 2456-6470, Volume 2, Issue 4, Page No.2500-2502) June 2018.
- ◆ Published a Research paper entitled "Review of Lucene Indexing Algorithm on public cloud" in International Journal for Research in Applied Science & Engineering Technology (ISSN: 2321-9653, Volume 5, Issue 7) July 2017.
- ◆ Published a Research paper entitled "Secure Cloud Based Centralized Health Improvement through Holomorphic Encryption" in International Research Journal of Engineering and Technology. ISSN (Print): 2320-9798 Volume 4, Issue 12) December 201
- ◆ Published a Research paper entitled "Secure Multi-Keyword Rank Search on Encrypted Cloud Data for Multiple Users" in International Journal of Innovative Research in Science, Engineering and Technology (An ISO 3297:2007 Certified organization) ISSN: 2347-6710 ,Volume 5 Issue 11, November 2016
- ◆ Published a Research paper entitled "Superiority of Twofish over Blowfish" in International Journal of scientific research and management , (Website: @ www.ijstrm.com)Volume 4, Issue-11 November 2016



MrInformation.NiketBhatambreTechnology

Assistant Professor

Name of Faculty Mr. Niket Bhatambre

Department and Designation Information Technology
Assistant Professor

Domain Data Analytics, Artificial Intelligence

Qualification B.E(CSE), M.Tech.(CSE)

About Completed my M.Tech Project in Cloud Computing domain and currently working in field of Data Analytics and UAVs with Artificial Intelligence.

Research Paper

National Journal	--
International Journal	05
National Conference	01
International Conference	01
Books Published	--
Patents	02
Invited as Resource Person	01
Guided PhD	--

Patents Filed / Published

- ◆ **“Smart Lighting & Signaling System for Efficient Usage of Battery Power in Vehicles”** Mr.Niket Bhatambre, Application ID:201821014988A 11/05/2108 ,Status: Published
- ◆ **“Fair Seat Allocation System & Passenger Security System in Public Transport”**Mr. Niket Bhatambre Application ID:201721008654A 22/09/2017. Status: Published

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

NIL

Awards and Recognition

- ◆ **Completed NCC ‘A’ Level Certificate in Air SQN Technical NCC.**
- ◆ Member of International Association of Engineers (IAENGG), Hong Kong. Membership No: 189579.
- ◆ Community Member of Network Professional Association (NPA) San Deigao CA with member ID-2000 0 .

Recent Five Publications

- ◆ Published a Research paper entitled **“Autonomous RC Car using Neural Network & deep Learning”** in International Journal of Innovative Research in Computer and Communication Engineering (ISSN:2320-9801,Vol.6 Issue 6),June 2018.
- ◆ **Published a Research paper entitled “A Report on Improving Website Content by Measuring Site Engagement”** in International Journal of Advance Research in Computer and Communication Engineering (ISSN:2319-5940,Vol. 5 Issue 11),November 2016.
- ◆ Published a Research paper entitled **“Customer Profiling & Anomaly Detection in Telecommunication Industry”** in International Journal of Innovative Research in Computer and Communication Engineering (ISSN:2320-9798,Vol. 4 Issue 11),November 2016.
- ◆ Published a Research paper entitled **“An Adaptive Downloading Service for Effective Business Management”** in International Journal of Scientific Engineering & Applied Science (ISSN:2395-3470,Vol. 1 Issue 9),December 2015.
- ◆ Published a Research paper entitled **“Trust Based Data Aggregation in Wireless Sensor Networks”** in International Journal of Ethics in Engineering & Management Education(ISSN:2348-4748,Vol. 1 Issue 4),April 2014.



Mrs. Parvati Bhadre
Information Technology
Assistant Professor

Name of Faculty

Mrs. Parvati Bhadre

Department and Designation

Information Technology
Assistant Professor

Domain

Networking, Network Security

Qualification

B.E(IT), M.E.(CE)

About

Completed Master of Engineering in Computer Engineering. Interested in Networking, Network Security, Machine Learning domains.

Research Paper

National Journal	--
International Journal	03
National Conference	--
International Conference	01
Books Published	--
Patents	--
Invited as Resource Person	02
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Invited to review Online Manuscript ID SCIS-2017-0821.R1, entitled "CATH: an Effective Method to Detect DoS Attacks for Software Defined Network."
- ◆ Received Elite Certificate on completion of NPTEL Course "Outcome Based Pedagogic Principles for Effective Teaching"
- ◆ Received Certificate on Successful completion of MOOC Course "ET701x:Elements of Learning-Centric MOOCs" offered by IITBombayX
- ◆ Member of International Association of Engineers

Recent Five Publications

- ◆ "Distributed Image Processing using Different Techniques in Hadoop", International Journal Of Emerging Technology and Computer Science, Vol-3, Issue-3, June 2018.
- ◆ "Promising Direction and Opportunity using Content Centric Network", International Journal Of Emerging Technology and Computer Science, Vol-2, Issue 3, Dec 2017.
- ◆ "DoS and DDoS Attacks: Defence and Detection Mechanism", International Journal Of Emerging Technology and Computer Science, Vol-2, Issue 3, Dec 2017.
- ◆ "Detection and Blocking of Spammers using SPOT Detection Algorithm", IEEE conference on Network and Soft computing 2014, Aug 14, pg 97-101



Ms. Krutika Bang
Information Technology
Assistant Professor

Name of Faculty

Ms. Krutika Bang

Department and Designation

Information Technology
Assistant Professor

Domain

Database Management System,
Algorithmics

Qualification

B.E(I.T), M.E.(CSE)

About

teaching,

To work in a challenging environment, where I can make best use of my knowledge in order to achieve excellence in learning and research for improvement of institution, society and my career and prove myself as a valuable asset of the organization .

Research Paper

National Journal	--
International Journal	09
National Conference	-
International Conference	02
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Lifetime Member of “Indian Society of Technical Education” (ISTE) Membership No: LM 90808
- ◆ Member of International Association of Engineers (IAENG) Membership No: 204823

Recent Five Publications

- ◆ Published a paper entitled “ **DoS and DDoS Attacks: Defence and Detection Mechanism**” in International Journal of Emerging Technology and Computer Science **ISSN: 2455-9954, Volume 2, Issue 3, December 2017**
- ◆ Published a paper entitled “**Promising Direction and Opportunity using Content Centric Network**” in International Journal of Emerging Technology and Computer Science **ISSN: 2455-9954, Volume 2, Issue 3, December 2017**).
- ◆ Published a paper entitled “**MeChat: A social networking website for instant messaging**” in Imperial Journal of Interdisciplinary research **ISSN: 2454-1362, Volume 2, Issue 4, 2016**
- ◆ Published a paper entitled “**An Interactive Online Employee Training and tracking System**” in International Journal of Research in Applied Science & Engineering Technology **ISSN 2321-9653, Volume 3, Issue 2, February 2015.**
- ◆ Published a paper entitled “**Content based Recommendation and Opinion Retrieval in Blogosphere**” in International Journals of Multidisciplinary Research Academy ISSN :2347-6532 **Volume 2, Issue 5, May 2014**

Name of Faculty

Mr. Gajanan P. Babhulkar

Department and Designation

Information Technology
Assistant Professor

Domain

Computer Programming, Cloud, IoT

Qualification

B.E(IT), M.E.(IT)

About

Interested in a research domain of Cloud Computing, IoT, Programming and Database.

Mr. G. P. Babhulkar
Information Technology
Assistant Professor



Research Paper

National Journal	01
International Journal	05
National Conference	01
International Conference	03
Books Published	—
Patents	--
Invited as Resource Person	01
Guided PhD	--

NIL

NIL

NIL

of Sponsored Projects

Details of Products (Developed/ Ongoing)

Awards and Recognition

- ◆ Member of The Indian Society for Technical Education (ISTE).
Membership No: 121180
- ◆ Member of International Association of Engineers (IAENGG), Hong Kong.
Membership No: 196700
- ◆ Second Prize at National Level in NPTEL exam in 2018.

Recent Five Publications

- ◆ International Conference on Emerging Trends in Engineering & Technology on Information Security and Analytics ICETET- ISA 2018 .HELIX Journal in 2018
Topic : Fuzzy based Adaptive Two Phase Traffic Signal Controller
- ◆ International Conference on Emerging Trends in Engineering & Technology on Information Security and Analytics ICETET- ISA 2018 HELIX Journal in 2018 .
Topic : Traffic Congestion Index and Level Estimation using Two Phase Fuzzy Controller
- ◆ Presented paper in International Journal of Innovative Research in Computer and Communication Engineering [IJIRCCCE] volume 5, issue 10, October 2017.
Topic: A Review on Globalize Internet of Things (IoT) and Applications
- ◆ Presented paper in International conference on science and technology for sustainable development Kaulalampur Malaysia 2016 **Topic** : A Computational Model with Trusting Belief and Security .
- ◆ Presented paper in National Conference on Sustainable Computing and Communication for Development during February 12th and 13th 2016 of IJSER **Topic** : Exit Survey Analysis Using Opinion Mining.



Ms. Rajasree RS
Information Technology
Assistant Professor

Name of Faculty

Ms. Rajasree RS

Department and Designation

Information Technology
Assistant Professor

Domain

Information Security

Qualification

B.E(CSE), M.E.(CSE)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	08
National Conference	—
International Conference	03
Books Published	—
Patents	--
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of International Association of Engineers (IAENGG), Hong Kong. Membership No: 202682

Recent Five Publications

- Published a paper in on the topic “DoS and DDoS Attacks: Defence and Detection Mechanism “, International Journal Of Emerging Technology and Computer Science: Vol 2 No 3 (2017):
- Published a paper in on the topic “Promising Direction and Opportunity using Content Centric Network “, International Journal Of Emerging Technology and Computer Science: Vol 2 No 3 (2017)
- Published a paper in on the topic “Distributed Image Processing Using Different Techniques in Hadoop “, International Journal Of Emerging Technology and Computer Science: Vol 2 No 3 (2017)
- ◆ Presented a paper in 2015 in IEEE International Conference on Computing Communication Control and Automation <https://ieeexplore.ieee.org/abstract/document/7155846/> At Pune, **Topic** : An Abuse-Free Optimistic Signature Exchange Protocol Using Block Cipher



Information Technology

Mr. Anup B. K
Assistant Professor

Name of Faculty

Mr. Anup Kalyanshetti

Department and Designation

Information Technology
Assistant Professor

Domain

Wireless Sensor networks,
Machine Learning

Qualification

B.E(CSE), M.Tech(CSE)

About

Seeking a job, where in learning is involved and which gives the best opportunity and a platform to showcase my skills and abilities in tasks assigned.

Research Paper

National Journal	--
International Journal	03
National Conference	01
International Conference	03
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

NIL

Awards and Recognition

- ◆ Member of **The Institution of Engineers (India)** .
- ◆ Member of International Association of Engineers (IAENGG), Hong Kong. Membership No: **5 77**

Recent Five Publications

- Published a Research paper entitled **“Autonomous RC Car Using Neural Network and Deep Learning”** in International Journal of Innovative Research in Computer and Communication Engineering.(Website: www.ijrcce.com (A ISO 3297:2007 Certified), **ISSN (Online): 2320-9801, ISSN (Print): 2320-9798 Volume 6, Issue 6,Page No.6208-6215 June 2018**).
- ◆ Published a Research paper entitled **“Content-Based file sharing detached MANET’s for existing Social Network”** in Innovative Research in Computer and Communication Engineering on 30th October, 2017 (website:www.ijarcce.com, (A ISO 3297:2007 Certified), **ISSN (Online): 2320-9798, Volume 5, Issue 10,October 2017**).
- Published a Research paper entitled **“Dynamic Assessment of Router Links by Generation of Test Packets”** in International Journal of Emerging Technology in Computer Science and Electronics.(Website: www.ijetcse.com (A ISO;9001-2008 Certified) **Volume 14 , Issue 2, April 2015 ISSN:0976-7353**).

Name of Faculty

Mrs. Sonam Patil

Department and DesignationInformation Technology
Assistant Professor**Domain**

Data Mining, Image Processing

Qualification

B.E(CSE), M.Tech.(CST)

About

I aspire for a challenging position in a professional Organization where I can enhance my professional skills and strengthen my performance in adding with Organization's motto.



Mrs. Sonam S. Patil
Information Technology
Assistant Professor

Research Paper

National Journal	--
International Journal	07
National Conference	--
International Conference	04
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ Published a Research paper entitled "A Review on Advanced Decision Trees for Efficient & Effective k-NN Classification" in International Journal on Future Revolution in Computer Science & Communication Engineering- Volume: 4 Issue: 2, Feb 2018, ISSN: 2454-4248
- ◆ Published a Research paper entitled "Review paper on Answers selection and Recommendation in community Question Answers system" in International Journal on Future Revolution in Computer Science & Communication Engineer-ing- Volume: 4 Issue: 1, Jan 2018, ISSN: 2454-4248
- ◆ Published a Research paper entitled "Efficiency measurement with different demodulation techniques by designing picturesque 2D barcode" in International Journal of Scientific & Engineering Research, Volume: 8 Issue: 7, July 2017 ISSN 2229-5518
- ◆ Published a Research paper entitled "Decompression of JPEG Document and Natural Images" in International Journal of Scientific & Engineering Research Volume: 8 Issue: 6, June 2017, ISSN 2229-5518
- ◆ Published a Research paper entitled "Automatic Era: Presentation slides from Academic Paper" in 2016 International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT), 10th Sept 2016, 978-1-5090-2080-5/16/\$31.00 ©2016 IEEE



Ms. Ekta Choudhari
Information Technology

Name of Faculty

Ms. Ekta Choudhari

Department and Designation

Information Technology
Assistant Professor

Domain

Networking

Qualification

B.E(IT), M.E.(Comp)

About

To pursue a challenging career and be part of a progressive Organization that gives scope to enhance my knowledge, skills and to reach the pinnacle in the computing and research field with sheer determination, dedication and hard work.

Research Paper

National Journal	--
International Journal	03
National Conference	01
International Conference	04
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of Society of Digital Information and Wireless Communications (SDIWC) , USA. Membership No: 17272
- ◆ Member of International Association of Engineers (IAENG), Hong Kong. Member-ship No: 185371.
- ◆ Member of Internet Society ,USA . Membership No: 154538

Recent Five Publications

- ◆ Published paper in International journal of scientific research & education with ISSN No: 2321-7545. Vol 6, Issue 6 , June -18, **Topic** : Survey On Various Routing Protocols For Effective Bandwidth Optimization in MANET
- ◆ Presented paper in International Conference on Innovative Mechanisms for Industry Applications (ICIMIA-2017), Bengaluru , Feb-17 , IEEE Publication , **DOI No** 10.1109/ICIMIA.2017.7975603 . **Topic** : Secure Data Aggregation in WSN using Iterative filtering algorithm.
- ◆ Published paper in International journal of scientific research & education with **ISSN No** : 2321-7545. Vol 5, Issue 1 , Jan -17, **Topic**: Biometrics Authentication Technique in Cloud Computing .
- Presented paper in International Conference on Innovations & Development for Future Smart Cities (ICIDFSC 2017) , Nagpur , India, March 17, ISSN No: 2394-2320. **Topic** : Review Paper on Intelligent Toll Tax System for the the Smart Cities .



DEPARTMENTAL RESEARCH ACTIVITIES



"SAARANSH 2K18" Project Exhibition

The Department of Information Technology conducted Project Exhibition on 28th May 2018 in **Department of Information Technology organized centrally by D. Y. Patil College of engineering. Akurdi.**

We invited three Experts from industry ,the details of the experts is given below:

1. Mr Dipak Jagtap , Persistant Systems, Pune
2. Mr.Sumit Kataria, Accusia Softwares, Pune





Students Discussion with Evaluator



Student demonstrating their project

Proposed Centre of Excellence in Data Science

The Proposed Center of Excellence in data science offers support for students and faculty members of the institute in the following areas:

Research: Generate innovative technologies and methods

Commercialization and incubation: Drive growth of large and small commercial partners by supporting the commercialization of new products and services, and providing access to business acceleration programs

Consultations and resources: Facilitate access to advanced computing and data visualization facilities, resources, and expertise

In addition to the resources listed above, students and faculty members can work with CoE to find talented interns or participate in student capstone projects, where student teams will apply their knowledge to address real world data driven industry needs.

Need for Centre of Excellence on Data Science


- ◆ The development of doctrine on use of big data and analytic
- ◆ The setting of standards as they apply to big data and analytics
- ◆ Determining the skills requirements and training and development for analytics staff
- ◆ Liaising with professional associations and academic institutions on registration and educational requirements for analytics professionals
- ◆ Centre of Excellence will give emphasis on the establishment of state of art research laboratory in data science.
- ◆ Explore many models, build and tune hybrids
- ◆ Understand empirical properties of models
- ◆ Develop/use tools that can handle massive datasets

Key Technological Features of Data Science Centers of Excellence

- ◆ High Performance
- ◆ High Reliability
- ◆ High Flexibility
- ◆ High Scalability
- ◆ High Data availability
- ◆ High Data Confidentiality
- ◆ Low Maintenance cost
- ◆ High Exposure to current Industry Practices

Benefits of Data Science Centers of Excellence

- ◆ Recurring costs of current solution upgrades
- ◆ Increase adoption of analytics
- ◆ Standardization of analytics tools across the organization
- ◆ Being able to accelerate the go to market of new analytics projects
- ◆ Functional limitation of the current solution
- ◆ Rationalizing analytics investments with Microsoft Offering
- ◆ Improved data management, data quality and reporting
- ◆ Better collaboration between Education sector business and IT
- ◆ To make analytics accessible to the business
- ◆ Expert Lecture on innovation in Data Science.
- ◆ Students will participate in Data Science Projects.
- ◆ Hands on training on data Science projects and exposure to meet Industry Experts



Instrumentation and Control Engineering



Welcome to the Instrumentation and Control Engineering Department.

The Department of Instrumentation and Control Engineering is established in the year 1993 with an intake of 60 seats. The department got accredited by National Board of Accreditation twice in year 2005 and 2013.

This is a multi-disciplinary branch of engineering deals with automation and control. This discipline of Engineering plays a vital role in any modern industry. Control and computing are becoming increasingly important in automating industrial processes. This has created a strong demand for trained instrumentation professionals. This is one of most preferred disciplines in the well known universities in India and abroad. As our provincial industrial sector grows, instrumentation and controls continues to be an extremely important field of technology.

Our department has state of art infrastructural facilities and well equipped laboratories like Process, Control Systems, Sensors and Transducers, Electronics Design, Embedded Systems and Software Laboratories. A team of well qualified and highly experienced faculty with experience in research in allied domains taking efforts for all round development of our students. We have active collaboration with Instron Technologies LLP, Pune. Under this joint venture we conduct regular courses in PLC, SCADA, HMI and Drives like important domains of Automation. The objective of this tie-up is to develop the competency of the students to meet challenges of technological advancements in the area of Industrial Automation and Control Engineering.

Involvement of faculty in research and development brings a unique combination in teaching-learning process. Department has a track record of excellent results every year. Invited talks and quality improvement program are routine activities of the department to provide exposure to the recent technologies used in practices. Department encourage the students for their participation in co-curricular and extracurricular activities. The implementation of outcome based education in the department enhanced the knowledge of staff and students to meet the challenges of new technological world and corporate sector so as to mold the budding graduates as successful professional engineers, researchers and entrepreneurs.

Dr. B. B. Musmade
HOD, Instrumentation and Control Engineering



Dr. Bhausaheb B. Musmade
Instrumentation & Control
Professor

Name of Faculty

Dr. Bhausaheb Bhanudas Musmade

Department and Designation

Instrumentation & Control
Professor

Domain

Control System

Qualification

Ph.D Instrumentation Engineering

About

I strongly believe that honesty and sincerity are essential for any job well done. I am confident I will add value to organization and do my best in all facets of life.

Research Paper

National Journal	--
International Journal	06
National Conference	03
International Conference	15
Books Published	--
Patents	--
Invited as Resource Person	03
Guided PhD	01

Patents (Filed / Published)

NIL

Details of Sponsored Projects

- ◆ Received funding of 50,000 from BCUD on topic Design of Sliding Mode Controller for Nonlinear Processes in year 2011-12
- ◆ Worked co-investigator on received funding of 8.8 lakhs from AICTE on topic Computer Based Plant Automation in year 2003-2005.

Details of Products (Developed/ Ongoing)

- ◆ Developed three control strategies using Distributed Control Systems with the help of Microverse Automation Pune in 2003-2004.

Awards and Recognition

- ◆ Appointed as Board of Studies (BOS) coordinator for Instrumentation and Control Engineering, SPPU, Pune.
- ◆ Regular reviewer for Journals like ISA Transactions, Measurement, Transaction of the Institute of Measurement and Control, Journal of Process Control and International Journal of System Science.
- ◆ Appointed as Vice-Chairman, IET Nashik Local Network.
- ◆ Chaired sessions in IEEE International Conference

Recent Five Publications

- ◆ Published paper in International Journal of Dynamics and Control, 2017. **Topic** : Sliding mode control design for robust tracking of open loop stable processes with experimental application.
- ◆ Presented paper in IEEE International Conference on Intelligent Systems and Control, Coimbatore, 2017 **Topic** : Robust control design using discrete sliding mode control for uncertain systems.
- ◆ Presented paper in IEEE Annual India Conference, IISc Bangalore, 2016. **Topic**: Robust control design using sliding mode observer for uncertain systems.
- ◆ Presented paper in IEEE International Conference on Instrumentation and Control 2015, Pune, India, May 28-39, 2015 **Topic** : Design of Sliding Mode Control scheme for nonlinear processes for improved performance.
- ◆ Published paper on International Journal of Transactions of Institute of Measurement and Control , Vol. 37, No. 6, pp. 699-700,2015. **Topic**: Design Sliding Mode Controller for Time-Delay Processes.

Name of Faculty

Nitin V. Mane

Department and DesignationInstrumentation & Control
Assistant Professor**Domain**

Electronics, Automation

Qualification

Ph.D Pursuing, M. E (Instrumentation & Control)

About

Expertise in building automation and integrated circuits.

Nitin. V. ManeInstrumentation & Control
Assistant Professor**Research Paper**

National Journal	--	NIL
International Journal	—	
National Conference	—	
International	02	
Books Published	--	
Patents	--	
Invited as Resource Person	—	
Guided PhD	--	

of Sponsored Projects

Received funding amount of 1,20,000 Rs. from BCUD for the topic Boiler Modeling and Control for two years (2014-16)

Details of Products (Developed/ Ongoing)

- ◆ Development of boiler modeling and control using IOT.

Awards and Recognition

- ◆ Nilima Rosvshen Creative and Innovative Events Certificate of Achievement for The best project during Entrepreneurship Week – India 2011

Recent Five Publications

- ◆ Presented a paper on Banana ripeness assessment by impedance spectroscopy at IEEE International Conference on Power, Control, Signals and Instrumentation Engineering, September 2017
- ◆ Presented a paper on Performance of mobile node between different manet with mobile IP at IEEE International Conf. on Industrial Instrumentation & Control, May 2015.



Vipin S Vibhute

Instrumentation & Control
Assistant Professor

Name of Faculty

Vipin S. Vibhute

Department and Designation

Instrumentation & Control
Assistant Professor

Domain

Embedded, Microcontroller, Robotics

Qualification

Ph.D pursuing, ME (Instrumentation &

About

Expertise in designing of embedded system and robotics.

Research Paper

National Journal	--
International Journal	04
National Conference	06
International Conference	05
Books Published	01
Patents	--
Invited as Resource Person	05
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

Received funding of 1,40,000 Rs. from BCUD for the topic Enhancement of Dexter-ous Movement of Anthropomorphic Robot Finger using Stretch Sensor

Details of Products (Developed/ Ongoing)

- ◆ Development of Autonomous Robot.

Awards and Recognition

- ◆ Best paper of the session in National Conference on Signal Processing & Automa-tion, 2007.
- ◆ Best Paper Award in International Conference on Electrical, Electronics and Computer Engineering.
- ◆ Nilima Rosvshen Creative and Innovative Event's certificate of achievement for The best project during Entrepreneurship Week – India 2011.
- ◆ Certificate of Excellence award for Excellent contribution in ABU Robocon 2012 & Robotron Workshop.
- ◆ Technical Advisor for SCADA Automation for Water Supply Distribution Network in Chakan, Talegaon and PCMC Industrial Area.

Recent Five Publications

- ◆ Presented a paper on Industrial internet of things: Future of Programmable Logic Controller at International Conference on Advances in Computer Technology and management, February 2018
- ◆ Published a paper on Reinforcement learning in robotics in International Journal on emergjng Technologies, vol. 7, no 2, nov 2016.
- ◆ Published a paper on Approximation of hysteresis density function in stretch sensor-TM in International Journal of Electrical and Electronics Engineering, vol. 2, issue 2, 2012.

Name of Faculty

Ms. Rachana R. Sangitrao

Department and Designation

Instrumentation & Control Engineering;

Assistant Professor

Process Instrumentation

Domain**Qualification**

M.Tech (Instrumentation)

About

To work in esteemed organization for enhancement and skill development of the organization as well as personal.



Ms. Rachana R Sangitrao

Instrumentation & Control
Assistant Professor

Research Paper

National Journal	--
International Journal	03
National Conference	—
International	—
Books Published	--
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

NIL

NIL

Details of Products (Developed/ Ongoing)

- ◆ Development of agricultural seed sowing using IOT.

Awards and Recognition

- ◆ Appreciation Letter for Work related to NAAC Criteria 6

Recent Five Publications

- ◆ Automation of Sewage treatment plant using PLC & SCADA; International Journal of advanced research in electrical, electronics and instrumentation Engg; 01 -11-2016, 10.15662/IJAREEIE.2016.0511017,Vol. 5, issue 6, ISSN (Print) : 2320 – 3765, ISSN (Online): 2278 – 8875
- ◆ Automation & Treatment Sewage plant; International journal of Advance re-search in Science & Engineering, Nov 2016.
- ◆ Automated Cleaning in Dairy Industry using CIP Method; International Journal of Innovative Science and Research Technology, 01-04-2017, Volume 2, Issue 4 274-277, ISSN No: - 2456 – 2165



Mr. Nirlipta R. Mohanty

Instrumentation & Control
Assistant Professor

Name of Faculty

Mr. Nirlipta R. Mohanty

Department and Designation

Instrumentation & Control
Assistant Professor

Domain

Process Control, Industrial Automation

Qualification

PhD (Pursuing) M. Tech.(Biomedical Instrumentation)

About

Seeking a professional environment where I utilize my potential to the best which leads to growth advancement.

Research Paper

National Journal	--
International Journal	02
National Conference	—
International	—
Books Published	--
Patents	--
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

- ◆ Received funding of 14000 Rs. from SCADA Technologies for Automatic colour mixing using PLC in 2018.

Details of Products (Developed/ Ongoing)

- ◆ Development of batch reactor using IOT.

Awards and Recognition

NIL

Recent Five Publications

- ◆ A Sliding Mode Control Algorithm For Artificial Pancreas in International Journal of Pure & Applied Research in Engineering & Technology, Vol. 3, no. 9, May 2015.
- ◆ Wireless sensor network design for greenhouse automation in International Journal of Engineering and Innovative Technology, vol. 3, issue 2, August 2013.

Pauroosh Kaushal
Instrumentation & Control
Assistant Professor

Research Paper

National Journal	--
International Journal	05
National Conference	02
International Conference	02
Books Published	--
Patents	--
Invited as Resource Person	03
Guided PhD	--

Name of Faculty

Pauroosh Kaushal

Department and Designation

Instrumentation & Control

Domain

Sensors, Pattern Recognition

Qualification

Ph.D pursuing, M.Tech (Instrumentation & Control)

About



I aspire to work where I can perform to the best of my abilities, while assimilating knowledge from my colleagues and surroundings.

Patents

NIL

Details of Products (Developed/ Ongoing)

NIL

Details of Products (Developed/ Ongoing)

- ◆ Completed development of weight measurement using load cell for which the project won 2nd prize at state level.
- ◆ Completed designing of Temperature Controlled Waterbath for which the project was presented and published at national conference and international journal.

Awards and Recognition

- ◆ Qualified Graduate Aptitude Test of Engineering (GATE), 2010 examination conducted by IIT Guwahati in Instrumentation Engineering and secured 93.5 percentile with AIR 929.
- ◆ Secured topper position for the certification course on Industrial Instrumentation conducted by NPTEL, IIT-Kharagpur, 2017.

Recent Five Publications

- ◆ An automatic electronic tongue system for classification of Indian wine, 2017 Eleventh International Conference on Sensing Technology (ICST), 4-6 Dec. 2017
- ◆ Modeling And Optimization Of Drug Release From Levofloxacin Hemihydrate Floating Matrix Tablet Using Artificial Neural Network, World Journal Of Pharmacy And Pharmaceutical Sciences, Volume 6, Issue 5, 659-667, Apr-17.
- ◆ Gas Sensor Array for Quantitative Detection of Gas Mixture, International Journal of Advance Research, ideas and innovations in technology, Vol. 5, issue 6, Nov-16
- ◆ A Sliding Mode Control Algorithm For Artificial Pancreas, International Journal of Pure & Applied Research in Engineering & Technology, Vol. 3, no. 9, May-15
- ◆ Pellet sensor based asthma detection system using exhaled breath analysis, International Conf. on Industrial Instrumentation & Control, may 2015

Name of Faculty

Mrs. Arti Utikar

Department and DesignationInstrumentation & Control
Assistant Professor**Domain**

Biomedical Instrumentation

Qualification

M. E.(Biomedical Instrumentation)

About

Expertise in biomedical instrumentation

Mrs. Arti UtikarInstrumentation & Control
Assistant Professor**Research Paper**

National Journal	--	NIL
International Journal	02	
National Conference	02	
International	02	
Books Published	--	
Patents	--	
Invited as Resource Person	05	
Guided PhD	--	

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Completed Product developed on Smart Material handling & Quality testing using Image Processing & IOT in Feb 2018
- ◆ Completed Product developed on Smart water leakage Detection for which the team won 9th Prize on National Level

Awards and Recognition

- ◆ Appreciation as resource person for One Day FDP- Workshop on Outcome based Education- Best practices at Educational Technologies.

Recent Five Publications

- ◆ Published paper in International Journal of Innovative Research in Science, Engineering and Technology, Vol. 6, Issue 1, January 2017 ISSN : 2319-8753 .
Topic : Analysis of Control system Stability using Scilab
- ◆ Published paper in International Journal of Innovative Research in Computer and Communication Engineering Vol. 4, Issue 11, November 2016 ISSN 2320-9801 .
Topic : Relative Study of Image Processing Filters with MATLAB, SCILAB and Raspberry Pi
- ◆ Presented paper in International Conference on Communication and Signal Processing .
Topic: PDR Localization in Retinal Image Using Gabor Wavelet and Bayesian Classifier .
- ◆ Presented paper IEEE International Conference on Communication and Signal Processing pp. 797-800, ISBN: 978-1-4673-1620-0.
Topic : Blood Vessel Segmentation & Classification of Retinal Images for Detection of Proliferative Diabetic Retinopathy.
- ◆ Presented paper on **Topic : Morphological Feature Extraction for Diabetic Retinal Analysis.**

Name of Faculty

Mrs. Archana R. Kesti

Department and Designation

Instrumentation & Control
Assistant Professor

Domain

Biomedical Instrumentation

Qualification

M. E. Instrumentation & Control(Biomedical In-

Mrs. Archana R. Kesti About

Instrumentation & Control
Assistant Professor



Expertise in biomedical instrumentation and image processing.

Research Paper

National Journal	--
International Journal	02
National Conference	02
International	—
Books Published	--
Patents	--
Invited as Resource Person	01
Guided PhD	--

NIL

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Development of face detection using IOT.

Awards and Recognition

- ◆ Third rank in B.E., Visveswaraiah Technological University, Belgaum

Recent Five Publications

- ◆ Published paper in International Journal of Engineering Trends and Technology , Vol. 42, Issue 4, ISSN 2231-5381, 2016 . **Topic** : Review on Various Image Compression Techniques.
- ◆ Published paper in International Journal of Advanced and Innovative Research, vol. 1, issue 3, ISSN 2278-7844, 2012. **Topic** : ECG Data Reduction using Thresholding and LZW method.
- ◆ Presented paper in National Conference in Sinhgad Academy of Engineering 16-18 March 2012. **Topic**: A Robust approach of ECG Signal Compression using Wavelet Transform.
- ◆ Presented paper in National Level Paper Presentation in PDEAs College of Engineering , Manjari, Pune, during 10-11 Feb 2012 . **Topic** : A Robust approach for ECG Signal Compression using Wavelet Transform.

Name of Faculty


Mrs. Vinita V. Yerande

Department and DesignationInstrumentation & Control
Assistant Professor**Domain**Process Instrumentation
Digital Image processing**Qualification**

M.Tech. Instrumentation & Control

About

Expertise in automation and instrumentation.



Mrs. Vinita V. Yerande
Instrumentation & Control
Assistant Professor

Research Paper

National Journal	--
International Journal	04
National Conference	01
International Conference	—
Books Published	--
Patents	--
Invited as Resource Person	03
Guided PhD	--

NIL

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Development of IoT based smart automation.

Awards and Recognition

NIL

Recent Five Publications

- ◆ Published paper in International Journal of Innovative Research in Science, Engineering and Technology, Vol. 6, Issue 1, January 2017. **Topic** : Analysis of Control system Stability using Scilab.
- ◆ Published paper in International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, Issue 11, November 2016. **Topic** : Relative Study of Image Processing Filters with MATLAB, SCILAB and Raspberry Pi.
- ◆ Published paper in International Journal of Modern Trends in Engineering and Research , Volume 04, Issue 5, May- 2017. **Topic** : INSPECTION AND STORAGE OF PRODUCT USING PLC.
- ◆ Published paper in International Journal of Innovative Research in Computer and Communication Engineering, Vol. 5, Issue 3, March 2017. **Topic** : A Survey on RF-ID based Automatic Pesticide **Dosing**.
- ◆ Presented paper at National Conference in Instrumentation, Control and Signal Processing, pp. 155-159, ISBN 978-93-82880-47-9, 2013 **Topic** : Palmprint Biometrics: A Review Paper.



Name of Faculty

Mrs. Rashmi Deshpande

Department and Designation

Instrumentation & Control
Assistant Professor

Domain

Biomedical Instrumentation

Qualification

M.E. Instrumentation & Control

Mrs. Rashmi Deshpande
Instrumentation & Control
Assistant Professor

About

Expertise in biomedical instrumentation—heart rate variability and Obstructive Sleep Apnea.

Research Paper

National Journal	--
International Journal	01
National Conference	—
International Conference	03
Books Published	--
Patents	--
Invited as Resource Person	03
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Development of CCAP machine for Obstructive Sleep Apnea.

Awards and Recognition

Received Young Investigator Award in May 2012.

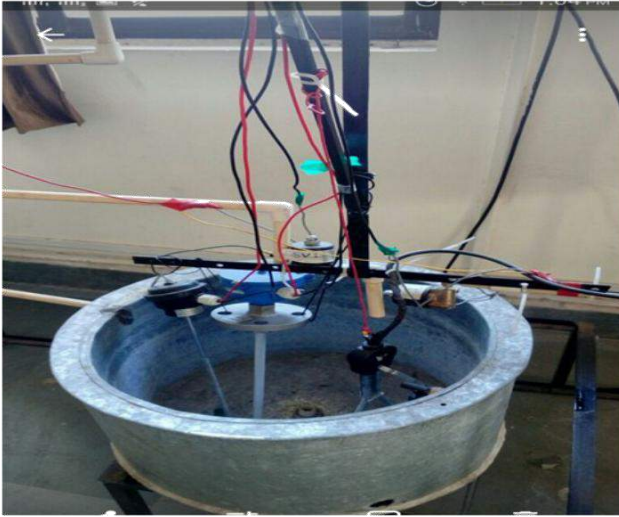
Recent Five Publications

- ◆ Published paper in International Journal of Engineering Trends and Technology Vol. no. 42, 2017. **Topic** : Review on various Image Compression Techniques.
- ◆ Presented a paper in International Conference on Science and Technology, 2014 **Topic** : HRV Analysis using MATLAB.
- ◆ Presented a paper in International Conference on Electrical Engineering & Computer Science 2012. **Topic** : Extracting HRV data from ECG.



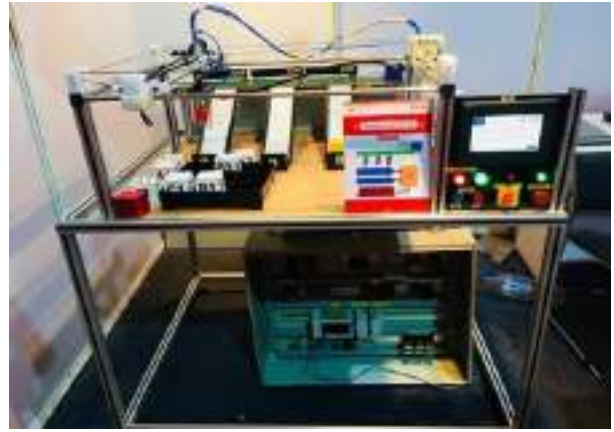
DEPARTMENTAL RESEARCH ACTIVITIES





Automation of reactor using PLC and SCADA with IoT

Heat Exchanger



Non contact type level measurement

Smart Material handling & Quality testing

Centre of Excellence

Virtual Instrumentation (LabVIEW)

Mission

To achieve sustained excellence and leadership by introducing innovative techniques of computer based Design, Anal-yses, Measurement and Control.

Vision

To serve as perennial resources of computer-based Design, Analyses, Measurement and Control expertise for the Engi-neering and Research Institutions in the region and contribute in the development of Engineering and Engineers.

Outcomes:

Experience and certification in LabVIEW can improve students' career opportunities around the world - providing gradu-ates and potential employers with benefits such as:

- ◆ Reliable validation and demonstration of skills and knowledge.
- ◆ Accelerated professional development, improved productivity, and enhanced field credibility.
- ◆ Listing in the NI Certified Professionals database to demonstrate certification status.
- ◆ The outcome of these activities shall benefit the college in terms of gaining domain expertise through research pro-jects.
- ◆ Students shall learn industry prevalent methods of making measurements and shall be able to better conduct their experimental work.
- ◆ Faculty of colleges around will get trained in latest measurement techniques.

Activities:

- ◆ Amend existing UG and PG experiments and coursework.
- ◆ Under & Post graduate research and thesis work in various disciplines.
- ◆ In-house and external research projects.
- ◆ QIP / FDP / SDP for faculty and industry professional in and around the region.
- ◆ NI LabVIEW Training for students & faculties.

Benefits: To Students:

- ◆ Meet curriculum requirement
- ◆ Do experiments beyond the curriculum
- ◆ Do in-house final year real time project
- ◆ Do globally recognized certification
- ◆ Opportunity to get in to core engineering industries
- ◆ Competing with globally challenging students with strong knowledge in fundamentals
- ◆ Participating in National & International Conferences

To Faculty:

- ◆ Teaching engineering with more practical way and industry standard technology
- ◆ Completion of PhD using the industry standard technology
- ◆ Publications in National & International journals
- ◆ Joint proposal submission to funding agencies in association with NI technology
- ◆ Revenue generation by doing training & Consultancy



Mechanical Engineering



Mechanical Engineering Department is established since the inception of the college in 1984 with an intake capacity of 60. The intake was increased to 120 later. The second shift was started in the year 60 with an intake capacity of 2013 Masters course in Mechanical Design was started in the year 2006 and in Heat Power Engineering in the year 2013, both with intake capacity of 18 each.

Department consists of highly dedicated, motivated, qualified and competent faculty. The department possesses state of the art laboratories catering to the needs of the students and research scholars. Laboratories are modernized from time to time through the funds received under various Research Proposals and MODROB schemes of A.I.C.T.E and University of Pune. Institute is developing advanced facilities for advanced learning in the field of Engineering and technology beyond the minimum specified requirements by university.

Mechanical Engineering being core branch of engineering, plays very important role in Nation building through government policies like 'Make in India'. As India moves towards becoming the quality manufacturing hub for the world, we at our department try to impart latest knowledge and skills to our students so as to stay competitive. In this direction, department has signed MOUs with varied industries and institutions, both National as well as International. Department has a centre of Excellence in Robotics which impart latest knowledge and develop different skills of our students. Keeping pace with latest developments in the field of technology and research, department has organized International conference ITDMME-2018. Also department organizes different guest lecturers of resource persons both from Industry and Academia.

Mechanical department has very strong record of placements with more than 200 companies recruiting at our esteemed campus. Placement last year was more than 75 % excluding the students who have gone for higher studies. We take every step that is necessary for overall development of our students.

Dr. RahulKumar S. Hingole

HOD, Mechanical



Dr. RahulKumar S. Hingole

Professor & Head Mechanical
Engineering

Name of Faculty

Dr. RahulKumar S. Hingole

Department and Designation

Professor and Head, Mechanical Engineering
Department

Domain

CAD/CAM

Qualification

Ph D (Mech. Engg.)M.E (Mech CAD/CAM), B.E
(Mechanical)

About

Is interested in challenging career that
gives better exposure to my skills and
abilities and to be part of a challenging
and growing organization.

Research Paper

National Journal	04
International Journal	13
National Conference	28
International Conference	33
Books Published	03
Patents	05
Invited as Resource Person	08
Guided PhD	05

Patents (Filed / Published)

01

Details of Sponsored Projects

Total four projects are ongoing, worth 27 lakhs (two sponsored by SPPU and Two
sponsored by Pvt. Industries

Details of Products (Developed/ Ongoing)

Ongoing-(design and manufacturing of Deepdrawing, bending, Automobile car
door and Valve components)

Awards and Recognition

- ◆ Best Teacher Award 2007
- ◆ Brand Ambassador, SGGSIET, Nanded MS India
- ◆ Best Researcher Award by Galati University Romania Europe 2013
- ◆ Who's Who USA, autobiography published 2016
- ◆ Session Chairman for International Conference ICCE 2013
- ◆ Reviewer of International Journal Manufacturing Process Technology, USA.
- ◆ Reviewer of Research Paper for International Conference AIMTDR 2016
- ◆ Reviewer of European Commission Projects
- ◆ Reviewer for World Journal of Engineering
- ◆ Reviewer for ASME 2015 International Mechanical Engineering Congress & Exposition
- ◆ Reviewer for Journal of Thermal Engineering
- ◆ Chairman of subjects like DME I, II, MD, PDD, FEM, TFM, Project Stage I, CAE, etc
- ◆ Member of International Innovative Scientific Research Organization (IISRO), Malaysia,
Member-ship No: 2012 1164
- ◆ Associate Member of Universal Association of Computer and Electronics Engineers (UK and
USA) i.e. UACEE Membership No: AM1003531.

Recent Five Publications

- ◆ R. S. Hingole, Ganesh R. Ghodake "Experimental Analysis of Heat Transfer and Friction Factor Characteristics in Turbulent Flow through a Tube Fitted with Screw Tape ", Global Research and Development Journals, , Volume : 1, Issue : 7, pp112-121,2016
- ◆ **R. S. Hingole**, Ganesh R. Ghodake "Heat transfer performance by using insertion of different geometries on in circular pipe- A review " International Journal of Scientific & Engineering Research (IJSER), ISSN 2229-5518, 2016
- ◆ **R. S. Hingole**, Ganesh R. Ghodake "Heat Transfer Augmentation Technique for Combined Coiled Insert and Dimple Tube: A Review .", IJSRD - International Journal for Scientific Research & Development, Vol. 3, Issue 12, 2016, ISSN (online): 2321-0613
- ◆ **R. S. Hingole**, Bapurao Marapalle "The case study on analysis of formability properties Of low carbon steel sheet on conventional press", IJSRD - International Journal for Scientific Research & Development Global Journal of Advance Engineering Technologies and Sciences, ISSN 2349-0292.
- ◆ **R. S. Hingole**, Bapurao Marapalle "A Review Paper on FEA Application for Sheet Metal Feb. 2016



Dr. Pravin T Nitnaware
Associate Professor
Mechanical Engineering
Department

Name of Faculty

Dr. Pravin T Nitnaware

Department and Designation

Associate Professor & Dean Second Shift
Mechanical Engineering Department

Domain

Thermal Engineering

Qualification

Ph D (Mech. Engg.), M.E (Heat Power),
B.E (Mechanical)

About

22 Years teaching experience. Done research in Hydrogen CNG Blends for SI Engine and Alternative Fuels for IC engine. Also expertise in Thermal Engineering, Power Plant Engineering, Heat Transfer, Gas Turbines, Renewable Energy, MBT Spark Timing, Exhaust Gas Recirculation in Diesel & Gasoline Engine,.

Research Paper

National Journal	04
International Journal	26
National Conference	08
International	04
Books Published	Nil
Patents	02
Invited as Resource Person	Nil
Guided PhD	04

Patents (Filed / Published)

Nil

Details of Sponsored Projects

BCUD (Rs. 1,60,000 /

Details of Products (Developed/ Ongoing)

HCNG Blends for SI Engine

Awards and Recognition

- ◆ College Examination officer (CEO).
- ◆ Departmental Research and Development cell.
- ◆ Industry Institute Partnership (IIP) cell coordinator for Institute.
- ◆ Society of Automotive Engineers (SAE) Faculty Advisor for college.
- ◆ EDC (Entrepreneurship Development Cell) coordinator for Institute.
- ◆ Reviewer for Elsevier Publication “International Journal of Hydrogen Energy”.
- ◆ Reviewer for Springer Publication “Brazilian Society of Mechanical Engg”.
- ◆ Reviewer for Elsevier Publication “Energy Conversion and Management”.
- ◆ Editor for EnPress Journal Thermal Science and Engineering.
- ◆ Best Innovation Award as faculty coordinator in SAE 2014.

Recent Five Publications

- ◆ Nitnaware P. T., Suryawanshi J.G. (2018) Effect of exhaust gas recirculation on performance and emission characteristics of spark ignition engine using hydrogen and CNG blends. Journal of The Institution of Engineers (India): Series C. IEIC-D-15-00012 **Springer Publication** DOI: 10.1007/s40032-018-0440-z.
- ◆ Nitnaware P. T., Suryawanshi J.G. (2016) Effects of Lean Burn and Stoichio. Burn combustion in S.I engine using hydrogen CNG blends. Iranian Journal of Science and Technology. Part C: Transaction of Mechanical Engineering. **Springer Publication** DOI: 10.1007/s40997-016-0038-0.
- ◆ Nitnaware Pravin Gayakwad Shiwaji “Analysis of Thermal Performance of Serpentine Tube in Tube Heat Exchanger Journal © Springer International Publishing AG 2018 P.M. Pawar et al. (eds.), Techno-Societal 2016, DOI 10.1007/978-3-319-53556-2_18 Volume 18 Issue Techno-Societal 2016 2017/6
- ◆ Nitnaware P. T., Suryawanshi J. G. (2015) Effects of MBT spark timing on performance, emission and combustion characteristics of S.I using hydrogen-CNG blends. International Journal of Hydrogen Energy. **Elsevier Publication Ltd.** DOI:10.1016/j.ijhydene.2015.11.074.
- ◆ Nitnaware P. T., Suryawanshi J.G. (2015) Effect of equal spark timing on performance emission and combustion characteristics of S.I engine using hydrogen and CNG blends. Journal of the Brazilian Society of Mechanical Sciences and Engineering. **Springer Publication** DOI 10.1007/s40430-016-0508-8.
- ◆ Jadhav P. M., Nitnaware P. T. (2015) Vibration reduction of single cylinder diesel engine used for agricultural water pumping SAE Technical paper 2015/6/15 Issue 2015-01-2291.

Name of Faculty

Dr. Sandeep S Sarnobat

Department and Designation

Associate Prof. Mechanical Engg. Department

Domain

Machining of hard and rare materials, Conventional and Non-Conventional Machining, Surface integrity in machining, Bio materials, Bio degradable materials.

Qualification

Ph D (Mech. Engg.), M.B.A (Finance)

About

Highly focused professional with commitment to achieving goals in an efficient manner. Meticulous, critical and logical thinker.



Dr. S S Sarnobat,
Assoc. Prof.
Dept of Mech. Engg.

Research Paper

National Journal	--
International Journal	13
National Conference	03
International Conference	03
Books Published	00
Patents	--
Invited as Resource Person	04
Guided PhD	--

Nil

of Sponsored Projects

01

Details of Products (Developed/ Ongoing)

01

Awards and Recognition

- ◆ First in order of merit at B E Production Examination at Shivaji University
- ◆ Second in order of merit at M Tech Production Examination at COEP Pune

Recent Publications

- ◆ S V Channapattana , T. Dey, S S Sarnobat, Heat Transfer Performance Analysis of Screen Mesh Wick Heat Pipe Using CuO Nanofluid European Journal of Sustainable Development Research (accepted-July 11, 2018).
- ◆ N K Kamble, B U Sonawane, B B Ahuja, S S Sarnobat, Grey relational analysis for fluid assisted blank holding system in deep drawing process for Al alloy 1050 by using a numerical simulation, Int. J. Manufacturing Technology and Management, Inderscience Publishers(accepted) **[IF-0.70, Index-Scopus]**.
- ◆ S S Sarnobat, H K Raval (April 2018) Prediction of Surface Roughness from Cutting Tool Vibrations in Hard Turning of AISI D2 Steel of Different Hardness with Conventional and Wiper Geometry CBN Inserts, J Appl Mech Eng 2018, Vol 7(1): 300 DOI: 10.4172/2168-9873.1000300[IF-0.80, Index:- Copernicus]
- ◆ Sparsha Kokarna, S S Sarnobat (July 2018) A review on the residuals stresses present in welded joints, International Research Journal of Engineering and Technology, vol. 5(6) [IF:7.211] forming analysis” International Journal of Scientific & Engineering Research, ISSN 2229-5518 IJSER.



Dr. Tapobrata Dey
Associate Professor and PG
Coordinator, Mechanical Engg.

Name of Faculty

Dr. Tapobrata Dey

Department and Designation

Mechanical Engg.; Associate Professor

Domain

Energy, Thermal and Materials Engineering

Qualification

Ph D (IIT Bombay)

About

Experience: Teaching- 4 Yrs; Research- 7.5 Yrs;
Total- 11.5 Yrs.

Research Area: CFD, Heat and Mass Transfer, Fluid Dynamics, Heat Exchanger, Fuel Cells, Mechanical Properties from nanoscale to macroscale, Materials synthesis and characterization, Digend Design, Electrochemical characterization.

Research Paper

National Journal	--
International Journal	41
National Conference	09
International	22
Books Published	01
Patents	06
Invited as Resource Person	04
Guided PhD	--

Patents (Filed / Published)

06

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

03

Awards and Recognition

- ◆ CSIR-Senior Research Fellowship Award in 2008.
- ◆ Best Paper Award in Journal of *The Institute of Engineers (India)* Year 2006-2007
- ◆ Editorial Member of Iconic Research And Engineering Journals
- ◆ Editorial Member of International Journal of Engineering Research and Technology
- ◆ Editorial Member of Journal of Dynamics of Machines
- ◆ Editorial Member of World Journal of Engineering Research and Technology
- ◆ Editorial Member of Archives of Industrial Engineering
- ◆ Life Member of Institute of Engineer (India) (M1543703)
- ◆ Life Member of International Association of Engineers (167820)
- ◆ The Institute of Research Engineers and Doctors (SNM10100056083)
- ◆ The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) (MBR#8349402)

Recent Five Publications

- ◆ **Tapobrata Dey**, Debanand Singdeo, Manaswita Bose, Rajendra N Basu, Prakash C Ghosh, "Study of contact resistance at the electrode-interconnect interfaces in planar type Solid Oxide Fuel Cells", *J. Power Sources*, Vol. 233, 2013, pp. 290-298.
- ◆ **Tapobrata Dey**, Debanand Singdeo, Manaswita Bose, Rajendra N Basu, Prakash C Ghosh, "Improvement in solid oxide fuel cell performance through design modifications: An approach based on root cause analysis", *Int. J. Hydrogen Energy*, Vol. 39, 2014, pp. 17258-17266.
- ◆ Y Khedkar, **Tapobrata Dey**, Y Padasalagi, "Study of Forces Acting on Excavator Bucket While Digging", *Journal of Applied Mechanical Engineering*, Vol. 6, 2017, pp. 1-6.
- ◆ Debanand Singdeo, **Tapobrata Dey**, Shrihari Gaikwad, Søren Juhl Andreasen, Prakash C Ghosh, "A new modified-serpentine flow field for application in high temperature polymer electrolyte fuel cell", *Applied Energy*, Vol. 195, 2017, pp. 13-22.
- ◆ Pranita Bichkar, Ojas Dandgaval, Pranita Dalvi, Rhushabh Godase, **Tapobrata Dey**, "Performance Evaluation of Shell and Tube Heat Exchanger by Varying Types of Baffles and Mass Flow Rate", *Procedia Manufacturing*, Vol. 20, 2018, pp. 195-200.



Dr. Vijaykumar S Jatti,
Associate Professor

Name of Faculty

Dr. Vijaykumar S Jatti

Department and Designation

Associate Professor, Mechanical Engineering Department

Domain

Materials and Manufacturing

Qualification

PhD (Mech. Engg.), M. Tech (Mech Engg.), B.E (Mechanical Engg.)

About

I am having 6.5 years of teaching experience, 1 year of research experience and 3 years of industrial experience.

Working as Adjoin Reviewer on Review Panel at International journals. Guided 19 PG projects and 16 UG projects.

Research Paper

National Journal	--
International Journal	61
National Conference	05
International Conference	15
Books Published	09
Patents	05
Invited as Resource Person	20
Guided PhD (going)	02

Patents (Filed / Published)

- ◆ Dhabale, R., Jatti, V.S., Multi-spindle Profile Friction Stir Welding Machine for Welding of Plastic Parts, Application No. 201821009086, Date of Filing 13/03/2018.
- ◆ Dhabale, R., Jatti, V.S., Licorice Root-Epoxy Resin - Copper Powder-Carbon Fiber: A Bio-Material. Application No. 201721020412, Date of Filing 12/06/2017, Publication Date 23/06/2017.
- ◆ Dhabale, R., Jatti, V.S., Friction Stir Processing Tool Shoulder with Detachable Probe. Application No. 201721020417, Date of Filing 12/06/2017.
- ◆ Dhabale, R., Jatti, V.S., Polyamide-Alumina-Titanium Dioxide: An Implantable Bio-Material. Application No. 201721017076, Date of Filing 16/05/2017.
- ◆ Jatti, V.S., Enhanced Productivity Aspects of Electrical Discharge Machining Process by Cryo-Treating the Workpiece Materials-Shape Memory Alloy, Monel Alloy & Beryllium Copper Alloy and Copper Tool Electrode. Application No. 201721017069, Date of Filing 16/05/2017.

Details of Sponsored Projects

- ◆ Electrical Discharge Machining of Monel Alloy, Shape Memory Alloy and Beryllium, Copper Alloy, Funded by SIU, Pune, Rs. 1.5 Lacs (Completed)
- ◆ Synthesis of suitable lightweight materials for Bio-medical application, Funded by DST, Rs. 34 Lacs (Under review, DST/SJF/ET/2018/18)
- ◆ Empirical and Numerical Modelling of Electrical Discharge Process, Funded by SEB-DST, Rs. 2 Lac (Under review, MTR/2018/001164)

Details of Products (Developed/ Ongoing)

- ◆ Multi-spindle Profile Friction Stir Welding Machine for Welding of Plastic Parts
- ◆ Friction stir processing tool shoulder with detachable probe

Awards and Recognition

- ◆ Gate Scholarship for doing M.Tech. from National Institute of Technology Calicut. (Cleared "GATE" Graduate Aptitude Test in Engineering-2007 & 2009, All India Ranking = 3663 and 2192 respectively)
- ◆ Working as reviewer for international and national journals & conferences.

Recent Five Publications

- Gaikwad, V., **Jatti, V. S.**, (July 2018) Optimization of material removal rate during electrical discharge machining of cryo-treated NiTi alloys using Taguchi's method. *Journal of King Saud University-Engineering Sciences*. Vol. 30 (3), pp.266-272. doi: 10.1016/j.jksues.2016.04.003 [IF-2.296, Scopus-Elsevier]
- Laad, M., **Jatti, V. S.**, (April 2018) Titanium oxide nanoparticles as additives in engine oil, *Journal of King Saud University-Engineering Sciences*. Vol. 30 (2), pp.116-122. doi:10.1016/j.jksues.2016.01.008 [IF-2.296, Scopus-Elsevier]
- Iyer, R. B., **Jatti, V. S.**, Yadav, Y., Verma, A., Desai, J., Dewan, C. P., (Oct 2017) Design optimization of CAD model. *Materials Today: Proceedings*, 4 (8): pp. 7357-7364. doi.org/10.1016/j.matpr.2017.07.065. [IF- 08.37, Scopus-Elsevier]
- ◆ **Jatti, V. S.**, Bagane, S., (Feb 2017) Thermo-electric modelling, simulation and experimental validation of powder mixed electric discharge machining (PMEDM) of BeCu alloys. *Alexandria Engineering Journal*, doi: 10.1016/j.aej.2017.02.023. [IF- 1.497, Scopus- Elsevier]
- ◆ Long B. T., Ngo Cuong N., Phan N. H., **Jatti, V. S.** (Mar 2016) Optimization of PMEDM process parameter for maximizing material removal rate by Taguchi's method, *The International Journal of Advanced Manufacturing Technology*. doi: 10.1007/ s00170-016-8586-4 [IF-1.48, SCI, Scopus-Springer]

Name of Faculty

Sanjay Ramanlal Deodas

Department and DesignationAssistant Professor
Mechanical Engineering**Domain**

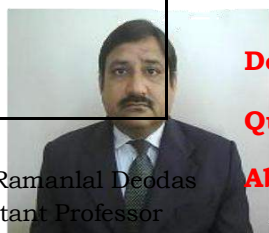
Thermal Engineering

Qualification

M.E (Mech) Heat Power, B.E (Mechanical)

About

After completing Diploma in Mechanical Engg. had 5 years of Industrial experience. There after completion of BE, since 1988 till today I am working in Teaching field about 30 years. Completed ME in 2001. Pursuing PhD



Sanjay Ramanlal Deodas
Assistant Professor
Department of Mechanical
Engineering

Research Paper

National Journal	--
International Journal	—
National Conference	4
International	4
Books Published	1
Patents	--
Invited as Resource Person	1
Guided PhD	--

Nil

of Sponsored Projects

Nil

Details of Products (Developed/ Ongoing)

Nil

Awards and Recognition

- ◆ Best performance Award 2009
- ◆ Shouldered responsibilities of Head of the Department, Dean Academics, Workshop superintendent.
- ◆ Paper setter and Examiner for theory and Practical exams of University
- ◆ Worked as member of Local Inquiry committee (LIC) of University
- ◆ Worked as member of UGC selection committee.
- ◆ Developed entirely new workshop for new engg. college of this Pratisthan.
- ◆ Invited as subject expert for Heat Transfer at Forbes Marshall, Pune since 15 yrs.
- ◆ Member of International Innovative Scientific Research Organization (IISRO), Malaysia, Membership No: 2012 1164
- ◆ Associate Member of Universal Association of Computer and Electronics Engineers (UK and USA) i.e. UACEE Membership No: AM1003531.

Recent Five Publications

- ◆ Recently published four papers in International Conference., along with PG students
- ◆ Published a book on Basic Mechanical Engineering



Mrs.Swati K
Dhamale Mechanical
Engg De-partment

Name of Faculty

Mrs.Swati K Dhamale

Department and Designation

Assistant Professor

Domain

Mechanical Design Engineering

Qualification

M.E (Mech Design Engg), B.E (Production)

About

5 Years Industrial Experience in SPM Design and CAD/CAM, 9 years Teaching experience .Interested research areas are Bio Materials and S tpecial Purpose machine Design.

Research Paper

National Journal	--
International Journal	08
National Conference	01
International	08
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

- ◆ Design & development of Vacuum compartment in refrigerators for food preservation– completed
- ◆ Predict the Solder Joint Failure of Electronic Component in Engine Control Unit under Drop Test –Completed
- ◆ Development of Simulation Methodology to Predict the Failure of ECM under Gravel Bombardment Test –Completed
- ◆ Development of Simulation Methodology to Predict the Failure of ECM under Gravel Bombardment Test

Details of Products (Developed/ Ongoing)

- ◆ Design Processing & Synthesis of Bio composite materials for orthopedic Implant Applications—Ongoing
- ◆ Heating & Cooling Analysis of Bimetallic Strip for valve application– Completed

Awards and Recognition

NIL

Recent Five Publications

- ◆ Design and Fabrication of Eco-friendly Vehicle for Physically Handicapped Person, in IRJET,Vol 5, Issue 5 in May 2018.
- ◆ A Review on Design and Analysis and optimization of Helical Compression Spring for suspension systemll in IJTRD, Vol 5,Issue 1,Feb 2018.
- ◆ Stress analysis of Glass/Epoxy symmetric and asymmetric compo-sites Laminated Plate by using Finite element Method in MATLAB —in IJSRD,Vol 5,Issue 10 in Dec-2017
- ◆ Design, analysis and performance evaluation of adaptive headlight system —in IJSART Vol 3,Issue 11,Nov 2017
- ◆ Study of theory of origin of bending in a bimetallic cantilever for design optimization of a bimetallic valve —,published in IJTRD, Vol 7 ,Issue 1,Jan-2017



Mr. Arun K Battu
Assistant Professor
Mechanical Engineering

Name of Faculty

Mr. Arun Kumar Battu

Department and Designation

Department of Mechanical Engineering,
Assistant Professor

Domain

Process Equipment Design, Advanced Op-

Qualification

BE (Mech), M. Tech (Mech-IPED, NIT Su-
rat)

About

I am having 7.5 yrs of teaching experience
and a full time SPPU PG approved faculty.
Guided total 03 PG students.

Research Paper

National Journal	01
International Journal	03
National Conference	01
International Conference	03
Books Published	--
Patents	--
Invited as Resource Person	01
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- Development of side door intrusion beam of passenger car for maximum bending load (completed)
- ◆ Design Development Analysis and Performance Evaluation of Perimeter Brakes in Two Wheeler (Completed)

Awards and Recognition

- ◆ Qualified GATE 2008 with all India 2223 Rank
- ◆ Member of American Society of Mechanical Engineers (ASME) Mem No:100036713
- ◆ Lifetime Member of Indian Welding Society (IWS) Mem No:L01338
- ◆ Lifetime member of Indian Heat and Mass Transfer (IHMT) Mem No 773
- ◆ Stood 3rd in the batch in M.Tech (SVNIT Surat)

Recent Five Publications

- Yogesh K. Nichit., Arun K Battu., (August 2017) Development of side door intrusion beam of passenger car for maximum bending load, International Journal for Science and Advance Research In Technology. Volume : 3, Issue : 8, **ISSN 2395-1052**
- Vivek Kamble., Arun K Battu., (August 2017) Design Development Analysis and Performance Evaluation of Perimeter Brakes in Two Wheeler, International Journal of Scientific Research and Development, Volume : 5, Issue : 7, Page(s): 909-913
- ◆ Vivek Kamble., Arun K Battu., (May 2017) Design Development Analysis And Performance Evaluation Of Conventional Brakes In Two Wheeler:A Review, International Journal for Science and Advance Research In Technology, Volume : 3, Issue : 5

Mr. Nilesh R. Pawar
 Assistant Professor
 Mechanical Engineering

Research Paper

National Journal	--
International Journal	03
National Conference	02
International	03
Books Published	—
Patents	—
Invited as Resource Person	—
Guided PhD	--

Name of Faculty

Mr. Nilesh R. Pawar

Department and Designation

Assistant Professor , Mechanical Engineering Department

Domain

Thermal Engineering

Qualification

Ph D (Pursuing) ,M.E. (Mech—Heat Power.), B.E (Mechanical), DME

About



To pursue a career in Mechanical Engg. And also to achieve higher standards in efficiency and excellence by exercising the best skills to attain the vision of the organizations, both in-

Patents

NIL

Developed

NIL

Details of Products (Developed/ Ongoing)

Working on Use of magnetic flux in fuel burning of SI engine

Awards and Recognition

- ◆ Membership of QCFI , The iRed, IWS India .
- ◆ Organized five FDP for Faculty and students

Recent Five Publications

- ◆ Published paper on —Performance analysis of 360 degree evaporative cooler in ITDMME- 17 to 21 July 2018.
- ◆ Published paper on“ Magnetic levitation vertical axis highway wind turbine” in ITDMME- 17 to 21 July 2018.
- ◆ Published paper on“ Experimental performance of SI Engine supplied with blend of Brown Gas (HHO) and Gasoline fuel at 2500 RPM” in ITDMME- 17 to 21 July 2018.
- ◆ Published paper on“ Fuel performance and emission control of 4\$ SI engine by using Magnetic Flux” in NC- RTMPE 2107.
- ◆ Published paper on“ Generation of Power from vertical axis wind turbine” in NC- RTMPE 2107.

Name of Faculty

Mr. Swapnil V. Ghogardare

Department and Designation

Assistant Professor , Mechanical Engineering

Domain

Automotive Engineering

Qualification

Ph D (Pursuing) ,M.E. (Mech - Automotive Engg.), B.E (Mechanical), DME

About

To pursue a career in Mechanical Engg. And also to achieve higher standards in efficiency and excellence by exercising the best skills to attain the vision of the organizations, both individually and as a team member

Mr. Swapnil V G

Assistant Professor
Mechanical Engineering

**Research Paper**

National Journal	--	02
International Journal	10	
National Conference	03	
International Conference	04	
Books Published	00	
Patents	02	
Invited as Resource Person	03	
Guided PhD	--	

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Working on Biodiesel along with nanoparticles in diesel fuel

Awards and Recognition

- ◆ Published two patents
- ◆ Membership of QCFI , The iRed,SAE India .
- ◆ Working as a Training and Placement coordinator for Mechanical Engineering department .
- ◆ Organized blood donation camps

Recent Five Publications

- ◆ Published paper on “Performance and Emission Characteristics of CI Engine by using nanoparticles with blended biodiesel in diesel fuel” in ITDMME- 17 to 21 July 2018.
- ◆ Published paper on“ Rivew on Performance & Emission Characteristics of CI Engine by using Nanoparticles with blended Biodiesel in Diesel Fuel “in NC- RTMPE-19 & 20 Dec 2017.
- ◆ Published paper on“ Rivew on Design and Analysis of Leaf Shape Wind Turbine for Power Generation in “ NC- RTMPE-19 & 20 Dec 2017
- ◆ Published paper on“ Carbon Fibre in Automobiles “ in IJRDT with ISSN NO- 2349-3585 for Volume -8, Issue-1, July-2017
- ◆ Published paper on“ Experimental Investigation on Performance Characteristics of Plastic Oil (B40) Blended with Nano- Particles in Diesel Fuel “ in IJRDT with ISSN NO- 2349-3585 for Volume -7, Issue-6, June-2017

Name of Faculty

Mr. Santosh kumar Bawage

Department and Designation

Assistant professor, Mechanical Engineering Department

**Domain**

CAD/CAM

Qualification

M.Tech (CAD /CAM), B.E (Mechanical)

About

Teaching Experience of 5.5 Years and Industrial Experience of 1.6 Years.

Mr. Santosh kumar
Bawage, Assist
Prof, Mechanical Engg

Research Paper

National Journal	--
International Journal	08
National Conference	01
International Conference	02
Books Published	—
Patents	01
Invited as Resource Person	—
Guided PhD	--

01

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ DESIGN AND DEVELOPMENT OF MINI SUGARCANE LIFTER
- ◆ DESIGN AND FABRICATION OF CONTACTLESS ENERGY GENERATION USING FLYWHEEL FOR ELECTRICAL VEHICLES

Awards and Recognition

Nil

Recent Five Publications

- ◆ DESIGN AND DEVELOPMENT OF MINI SUGAR CANE LIFTER.
- ◆ DESIGN AND FABRICATION OF CONTACTLESS ENERGY USING FLY-WHEEL FOR ELECTRIC VEHICLE.
- ◆ FUNDAMENTALS AND PARAMETERS AFFECTING THE PERFORMANCE OF TIRE DOWN THE ROAD.
- ◆ HYDRAULIC OIL COOLING WITH APPLICATION OF HEAT PIPE.
- ◆ STRUCTURAL AND ANALYSIS OF BULKHEAD.

Mr. Ravindra S L
Assistant Professor
Mechanical Engineering

Research Paper

National Journal	--
International Journal	10
National Conference	--
International	05
Books Published	01
Patents	02
Invited as Resource Person	02
Guided PhD	--

Name of Faculty

Mr. Ravindra S. Lahane

Department and Designation

Assistant Professor , Mechanical Engineering Department

Domain

CAD/CAM

Qualification

Ph D (Appearing) ,M.Tech (Mech CAD/

About



Seeking in challenging career that gives better exposure to my skills and Knowledge and to be part of a challenging and work towards growth of organization.

01

cts

NIL

Details of Products (Developed/ Ongoing)

Sugar cane Harvesting

Awards and Recognition

- ◆ Best Paper Presentation 1st Prize on 'Refrigeration and Dehumidification of Cryo-genic System. '
- ◆ Qualified Gate 2010 Secured with 95.36 percentile.
- ◆ Membership of QCFI , The iRed,SAE India .
- ◆ Organised Lab view Workshop of NI "Hands-on Training Mechatronics Using Labview in 2017.
- ◆ Attended Analysis of Vibration and Noise workshop.

Recent Five Publications

- ◆ **Ravindra S. Lahane,' Static and Dynamic Behaviour of Radial Gate of Dam'**, International Journal for Science and Research and Development [IJSRD] Volume 5, Issue 5 Issn No.:2321-0613, July 2017.
- ◆ **Ravindra S. Lahane3,' Static and Dynamic Behaviour of Radial Gate of Dam'**, Asian Journal of Convergence in Technology Volume 3, Issue 3 Issn No.:2350-1146, I.F-2.71, 01st August 2017.
- ◆ **Prof. Ravindra S. Lahane, "Design, Development And Performance Evaluation of Self Locking Dual Worm Gears Manufactured By FDM Process"**, in international journal for science and advance research in technology (IJS ART), Volume 3, Issue 7, July 2017.
- ◆ **Mr. Ravindra Lahane1," Multi-Crop Harvesting Machine"**, in International Research Journal of Engineering and Technology (IRJET) Volume: 05 Issue: 05th May-2018. e-ISSN: 2395-0056 .
- ◆ **Asst. Prof. R. S. Lahane, 'DESIGN AND VIBRATION ANALYSIS OF SCREW COMPRESSOR'**, INTERNATIONAL JOURNAL OF ADVANCE RESEARCH AND INNOVATIVE IDEAS IN EDUCATION, Vol-4 Issue-3 2018 IJARIE-ISSN(O)-2395-4396.

Name of Faculty

Mr. Samadhan D. Bhosale

Department and DesignationDepartment of Mechanical Engineering,
Assistant professor**Domain**

Manufacturing, Automotive

Qualification

ME (Mechanical) Automotive

About

Good analytical skill, Six sigma Certification, Certified consultant for ZED scheme.

Mr. Samadhan Bhosale
Assistant Professor
Mechanical Engineering**Research Paper**

National Journal	--
International Journal	05
National Conference	--
International	02
Books Published	--
Patents	--
Invited as Resource Person	02
Guided PhD	--

Nil

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Fabrication of Evaporative Cooler for Improving COP of Air Condi-

Awards and Recognition

- ◆ Best Research paper award in in international conference at MITSOM, Pune in Dec 2016
- ◆ Certified ZED consultant under the scheme of ZED & QCI
- ◆ Certified Six Sigma course from IIT Kharagpur (NPTEL)

Recent Five Publications

- ◆ "Quality improvement in manufacturing processes using SQC tools", International journal of engineering research, Vol.3, Issue 3,2013
- ◆ "Process capability study in manufacturing of mechanical seal", Golden research thoughts, Vol.2, Issue 8,2013
- ◆ "Evaluation of process performance using control charts & histogram in manufacturing industry", GE- International Journal of Management Research, Special Issue,2016
- ◆ "Investigation on Performance of CI engine Fuelled with Hydrogen Peroxide as an additive", International Journal of Scientific & Engineering Research, Vol. 7, Issue 12,2016
- ◆ "Design of suspension and steering system for an All Terrain vehicle and their interdependence", International journal of Advance Research and Innovative Ideas in Education, Volume 4, Issue 3, 2018



Mr. Vinayak .W. Bembrekar
 Assistant Professor Mechanical
 Engineering Department

Name of Faculty

Mr. Vinayak .W. Bembrekar

Department and Designation

Assistant Professor Mechanical Engineer-
 ing Department

Domain

Mechanical Manufacturing

Qualification

ME Mech (MPE) , B.E (Mechanical)

About

Is interested in challenging career that
 gives better exposure to my skills and abil-
 ities and to be part of a challenging and
 growing organization.

Research Paper

National Journal	--
International Journal	04
National Conference	03
International Conference	06
Books Published	—
Patents	--
Invited as Resource Person	---
Guided PhD	--

Details of Publications (Developed/ Ongoing)

NIL

Details of Products (Developed/ Ongoing)

NIL

Details of Products (Developed/ Ongoing)

- ◆ Design and Analysis of Muffler for Two Wheeler Vehicle
- ◆ Adverse yaw stabilization without vertical tail

Awards and Recognition

- ◆ Recognition for ‘ National Institute of technical Teachers’ Training and Research ,Bhopal (Ministry of Human Resource Development ,Govt. of India) NITTR Duration 20/06/2016 to 01/07/2016.

Recent Five Publications

- ◆ Paper presented in international Journal of Engineering trends and Technology “Design of a wing with bell shaped span load using VLM method” ISSN:2231-5381
- ◆ Paper presented in international journal for science and advance research in technology “ Experimental investigation in friction drilling on copper and aluminum component using Tungsten carbide Tool”ISSN:2395-1052
- ◆ Paper presented in international research journal of Engineering and technology “Optimization and thermal Analysis of friction drilling on Aluminum and Mild Steel” Impact Factor :4.45
- ◆ National Level conference on innovation in mechanical engg “Thermal analysis of friction drilling” International Journal of Scientific & Engineering Research, ISSN 2229-5518 IJSER,
- ◆ International conference on Innovation in thermal ,Design ,Materials and Manufacturing Engineering (ITDMME-2018) ,,Micro structural Analysis of friction drilled copper and aluminium component by using Tungsten carbide tool”

Name of Faculty

Mr. S. D. Marjapure

Department and Designation

Asst. Professor

Domain

Thermal Power Engineering

Qualification

M. Tech (Thermal Power Engg), B.E (Mechanical)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Mr. S.D.Marjapure

Assist. Professor

Mechanical Engineering

**Research Paper**

National Journal	--
International Journal	04
National Conference	02
International Conference	00
Books Published	00
Patents	--
Invited as Resource Person	00
Guided PhD	--

NIL

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ During M.Tech Received Best project of the year award by KSCST 2014.

Recent Five Publications

- ◆ Mr. Sachin Marjapure, Mr. Santosh Kumar Bawage “Hydraulic Oil Cooling With Application Of Heat Pipe” International Research Journal of Engineering and Technology (IRJET), Volume: 04 Issue: 09, e-ISSN: 2395-0056 p-ISSN: 2395-0072.
- ◆ Sachin Marjapure, Vikram Kulkarni, Santosh Kumar Bawage “Investigation on Conversion of Municipal Plastic Wastes into Liquid Fuel Compounds, Evaluation of Engine Performance and Emission Characteristics” International Research Journal of Engineering and Technology (IRJET), Volume: 03 Issue: 12 , e-ISSN: 2395 -0056, p-ISSN: 2395-0072.
- ◆ Mr. Vikram Kulkarni, Mr. Santosh Kumar Bawage, Mr. Sachin Marjapure “Structural Analysis of Bulkhead” International Research Journal of Engineering and Technology (IRJET), Volume: 03 Issue: 12 , e-ISSN: 2395 -0056, p-ISSN: 2395-0072.
- ◆ Mr. S. D. Marjapure , H. C. Ravi, M. D. Anil Studies on “ Stability of Diesel Biodiesel and Butanol Blends and Evaluation of Performance of Diesel Engine with Selected Blends” International Journal On Innovations in Mechanical and Automotive Research, Vol-1& PP- 27-33, ISSN: 2395-4493.

Name of Faculty

Mr. Vaibhav V. Phule

Department and Designation

Asst. Prof. , Mechanical Engineering Department

Domain

Production Engineering

Qualification

M. Tech.

About

1. Teaching Experience: 3 yr 6 months
2. Research Area: Advanced Manufacturing Processes (EDM), Casting Processes

Mr. Vaibhav Phule
Asst. Prof.
Department of Mechanical
Engineering



Research Paper

National Journal	--
International Journal	02
National Conference	--
International Conference	04
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

NIL

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Study on Effect of powder mixed dielectric fluid in EDM.(Completed)
- ◆ Design And Performance Analysis Of Shape Memory Alloy Coupling. (Completed)
- ◆ Design & Fabrication of Mobile Operated Motorized Screw Jack .

Awards and Recognition

- ◆ Qualified Gate 2012 with 88 Percentile
- ◆ Completed NPTEL Course on “ **Fundamentals of Manufacturing Processes**”

Recent Five Publications

- ◆ **Prof. Vaibhav V. Phule**, Prof. Laxman P. Khose, “Comparative Study of Dielectric Fluid in Powder Mixed Electro –Discharge Machin-ing” ,International Journal for Scientific Research & Development, vol 5, issue -10,2017,338-340
- ◆ **Prof. Vaibhav V. Phule**, “Effect of Powder Mixed EDM Process Parameters on Material Removal Rate of Inconel-718”, International conference on Innovation in thermal ,Design ,Materials and Manufacturing Engineering (ITDMME-2018)
- ◆ **Prof. Vaibhav V. Phule**, “Design Mathematical Modelling of Elastomeric Bearings with Shape Memory Alloy for Seismic Isolation” , International conference on Innovation in thermal ,Design ,Materials and Manufacturing Engineering (ITDMME-2018)
- ◆ Prof. Laxman P. Khose , **Prof. Vaibhav V. Phule**, “A Study on Stair Climbing Mechanism using Epicyclic Gear Train” , International Journal for Scientific Research & Development, vol 5, issue -09,2017,1013-1016
- ◆ Prof. Laxman P. Khose , **Prof. Vaibhav V. Phule**, “Stress Analysis and

Name of Faculty

Mr. Sunil S. Patil

Department and Designation

Asst. Professor, Mechanical Engineering Department

Domain

Mechanical Design Engineering

Qualification

M. Tech (Mechanical Design Engg),

About

Learn and function effectively in an organization and be able to deliver myself to the bottom line. Constantly upgrade my knowledge, skills and makes a positive difference in whatever I

Mr. Sunil S. Patil
Assistant Professor
Department of Mechanical
Engineering

**Research Paper**

National Journal	--	NIL
International Journal	04	
National Conference	02	
International	03	NIL
Books Published	--	
Patents	--	
Invited as Resource Person	01	
Guided PhD	--	

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Automation for Loading Raw Material into Furnace (Completed)
- ◆ Design and Development of 3D Printer (Completed)
- ◆ Design and Fabrication of Twin Integrated Hydraulic Master Cylinder

Awards and Recognition

- ◆ Certified for securing 1st position at BAJA SAEINDIA 2018
- ◆ Certified for securing 2nd position in Raftar Award (Main BAJA) category at BAJA SAEINDIA 2018
- ◆ Established Centre of Excellence for "Robotics & Industrial Automation" at DYPCOE, Akurdi in Collaboration with PMS Robotics & Research Centre in 2017
- ◆ Did Consultancy for Techtrol Pvt. Ltd. (PTPL) for "Bi-Color Level Gauge" in 2016

Recent Five Publications

- ◆ Published paper in IOSR Journal of Mechanical and Civil Engineering (IOSR -JMCE) of title "Dehumidification and Air Conditioning Using Heat Pipe", v-5 special issue 2018
- ◆ Published paper in International Journal of Advance Research and Innovative Ideas in Education of title "Design and Fabrication of Twin Integrated Hydraulic Master Cylinder", Vol-4 Issue-3
- ◆ Published paper in international journal for science and advance research in technology of title "Forming Analysis using Pamstamp 2G", Vol. 4, Issue 1
- ◆ Published paper in International Journal on Theoretical and Applied Research in Mechanical Engineering of title "Performance of Heat Pipe and its Application for Dehumidification and Air Conditioning", V-7 Issue-1
- ◆ Presented Paper at National Conference on topic "Performance of Heat Pipe and its Application for Dehumidification and Air Conditioning" at JSPM, Pune on 27-28 Feb 2018
- ◆ Presented Paper at National Conference on topic "Dehumidification and Air Conditioning Using Heat Pipe" at ICEM, Pune on 10 Feb 2018

Prof. Ajay K Pathak
Asst. Professor,
Mechanical Engineering
Department

Research Paper

National Journal	--
International Journal	08
National Conference	03
International Conference	01
Books Published	—
Patents	01
Invited as Resource Person	—
Guided PhD	--

Name of Faculty

Prof. Ajay K Pathak,

Department and Designation

Asst. Professor, Mechanical Engg Department

Domain

CAD/CAM

Qualification

PhD(Pursuing), M.Tech(CAD/CAM),
B.E (Mechanical)

About



I am eager to contribute to the growth of a progressive organization and job profile that is challenging, having creative environment, by applying my skills and willing to work as a key player in the organization.

Patent

01

De

NIL

Details of Products (Developed/ Ongoing)

- ◆ Electro Magnetic Reciprocating piston engine developed.
- ◆ Centrifugal Separator for the Separation of Pith from Bagasse developed.
- ◆ Power generator using speed breaker developed.
- ◆ Pomegranate de-seeder machine is ongoing.

Awards and Recognition

- ◆ Qualified GATE 2006 with 94.04 percentile and overall rank of 1520
- ◆ Gold Medalist at NIT Jamshedpur during 2003-2005 for M. Tech. (CAD/ CAM)
- ◆ Member of Quality Circle Forum of India
- ◆ Member of International Association of Engineers (IAENG)

Recent Five Publications

- ◆ A. K. Pathak, Deepak K Sharma “Experimental Experimental And Theoretical Analysis Of Triple Concentric Tube Heat Exchanger”, IJARIII, Volume : 3, Issue : 7, DUI: 16.0415/IJARIII-8595 , 2018
- ◆ A. K. Pathak, Prachi Sawant “Design and Analysis of a Centrifugal Separator for the Separation of Pith from Bagasse” International Journal of Research and Scientific Innovation (IJRSI) | Volume V, Issue III, March 2018 | ISSN 2321-2705
- ◆ A. K. Pathak, Akash M. Joshi “Cryogenic Machining of Super Alloys used in Aerospace Industry: A Review”, International Journal Of Advanced Research in Engineering & Management (IJAREM) ISSN: 2456-2033 | | PP. 55-60
- ◆ A. K. Pathak, Deepak K Sharma “Design and Development of Vacuum Compartment for Refrigerator: A Critical Review”, International Journal of Modern Trends in Engineering and Research (IJMTER) Volume 03, Issue 12, [December – 2016] ISSN (Online):2349-9745; ISSN (Print):2393-8161
- ◆ A. K. Pathak, Vikas L Shinde “Review on Particle Damping Technique for Vibration Suppression ”, International Journal of Innovative Research in Science, Engineering and Technology (An ISO 3297: 2007 Certified Organization) Vol. 5, Issue 3, March 2016

Name of Faculty

Mr. Sushant Sunilkumar Patil

Department and Designation

Assistant Professor in Mechanical Engineering Department

Domain

CAD/CAM

Qualification

M. Tech (Mech CAD/CAM), B.E (Mechanical)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Mr. Sushant Sunilkumar Patil Assistant Professor Mechanical Engineering Department



Research Paper

National Journal	--
International Journal	02
National Conference	--
International Conference	04
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

00

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Design and analysis for optimization of products. Currently working on Rocker Bogie Mechanism.

Awards and Recognition

- ◆ Gold-Medalist and 1st ranker in MTech CADCAM from VIT University 2015

Recent Publications

- ◆ Mr. Sushant Patil and Mr. Shekhar Musane, Experimental Analysis On Impact Of Alcohol Blends On Si Engine Performance And Emission, ITDMME-2018
- ◆ Mr. Sushant Patil, Dr. T Dey, Parametric Study on thermal analysis of Piston, ITDMME-2018
- ◆ Mr. Shekhar Musane, Mr. Sushant Patil, Analytical Study Of Power Produced By Seebeck Effect From Exhaust Heat Of A Two-Wheeler, ITDMME-2018
- ◆ Mr. Anup Chaple, Mr. Sushant Patil, CFD Analysis of Missile Base Heating, International Journal on Theoretical and Applied Research in Mechanical Engineering, ISSN 2319-3182, Volume -6, Issue-1-2, 2017
- ◆ Mr. Sushant Patil, Mr. Vinayak Bembrekar, Optimization and thermal analysis of friction drilling on Aluminium and Mild Steel by using Tungsten Carbide Tool. International Research Journal of Engineering and Technology. vol 3, Issue 12, Dec2016.
- ◆ Mr. Sushant Patil, Dr. Annamalai K., Prediction of Crack Propagation in Double Cantilever Beam of Carbon Fibre Epoxy Composite. International Journal of Applied Engineering Research, pp.10246-10249, Vol.10, Issue .11, 2015

Name of Faculty

Mr. Laxman Pandurang Khose

Department and Designation

Assistant Professor , Mechanical Engineering Department

Domain

Automobile Engineering

Qualification

M.Tech (Automobile Engg.) , BE (Mech)

About

Completed M.Tech from VJTI Mumbai in the year 2014 and working in the D Y patil College of Engineering from June 2015 as a Assistant Professor.

Mr. Laxman P. Khose

Assistant Professor,
Mechanical Engineering
Department



Research Paper

National Journal	--	00
International Journal	04	
National Conference	00	
International Conference	03	00
Books Published	00	
Patents	--	00
Invited as Resource Person	00	
Guided PhD	--	

of Sponsored Projects

Details of Products (Developed/ Ongoing)

Awards and Recognition

- ◆ Talent Award from SBI for outstanding performance in 12 th
- ◆ Got best paper award in the international conference held in MIT COE , Kothrud, Pune
- ◆ GATE 2012 qualified with 92.46 percentile.
- ◆ Second Rank in the SRTMU , Nanded University in graduation Done Project on “ Stress analysis and Weight Optimization of Connecting rod” Sponsored by Indian Railways

Project

Recent Five Publications

- ◆ Laxman Khose , Vaibhav Phule “Comparative Study of Dielectric Fluid in Powder Mixed Electro – Discharge Machining” published in - International Journal for Scientific Research & Development| Vol. 5, Issue 10, 2017 | ISSN (online): 2321-0613
- ◆ Laxman Khose , Vaibhav Phule “A Study on Stair Climbing Mechanism using Epicyclic Gear Train” published in - International Journal for Scientific Research & Development | Vol. 5, Issue 09, 2017 | ISSN (online): 2321-0613
- ◆ Laxman Khose , samadhan Bhosale “ Evaluation of Process performance using control charts and histogram in manufacturing industry” presented and published in International conference on Emerging trends in Management and Technology 2016
- ◆ Laxman Khose , Nehal Mucchala “Investigation on Performance of CI engine fuelled with hydrogen peroxide as an additive” presented in MULTICON-W-2013 held in Thakur College of Engineering and Technology , Kandivali (E) , Mumbai.

Name of Faculty

Mr. Rahul S Ralebhat

Department and Designation

Mechanical Engineering, Assistant Professor

Domain

Heat Power

Qualification

ME (Heat Power), BE (Mech)

About

Teaching Experience: 4 Yrs 01 Months, Industry Experience: 9 Years, Entrepreneurial Experience: 2 Years. Appeared in Civil Services (Main) Examination twice

Mr. Rahul S Ralebhat

Asst. Prof

Mechanical Engineering
Department

**Research Paper**

National Journal	--	01
International Journal	04	
National Conference	01	
International	01	
Books Published	—	
Patents	--	
Invited as Resource Person	--	
Guided PhD	--	

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ First prize in Regional Level paper presentation 'Pioneer 2k2' held at KIT, Kol-hapur in 2002.
- ◆ Appreciation from HOD, Mechanical DYPCE, Akurdi for successful organization of Institute Level Project Exhibition 'SARAANSH 2K18'.
- ◆ Appreciation from HOD, Mechanical, DYPCE, Akurdi for better management and coordination of BE Project Activity during AY-2017-18.

Recent Five Publications

- ◆ Rahul Ralebhat and others, *Kinetic Energy Recovery System for Automobile Suspension*, *IJMPE*, Vol-VII, Issue-V, May 2018, ISSN-2349 3534
- ◆ Rahul Ralebhat and others, *Reduction of Machining Rejection of Shift Fork by using Seven Quality Tools*, *IRJET*, Vol 5, Issue 4, Apr 2018, e-ISSN: 2395 0056, p-ISSN:2395 0072
- ◆ Ralebhat R. S., Kothmire P. P., *Heat Stress Management Practices in Poultry*, *IJSRD*, Vol 4, Issue 6, 2016, ISSN: 2321 0613
- ◆ Ralebhat R. S., Kothmire P. P., *Low Cost Cooling System for Poultry*, *IJEAT*, August 2016, ISSN:2321 8134



Prof. Shyamsing V. Thakur
Assistant Professor,
Department of Mechanical
Engineering

Name of Faculty

Mr. Shyamsing V. Thakur

Department and Designation

Assistant Professor

Domain

Thermal Power Engineering

Qualification

M.Tech (Thermal) & B.E (Mechanical)

About

Is interested to impart quality education with emphasis on Mechanical & Thermal Engineering and to rectify Thermal related problems in mind of concerned ones which they can apply in their professional life.

Research Paper

National Journal	01
International Journal	06
National Conference	01
International Conference	05
Books Published	—
Patents	01
Invited as Resource Person	—
Guided PhD	--

Patents (Filed / Published)

01

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

Nil

Recent Five Publications

- ◆ Shyamsing V. Thakur, Ramsing V. Thakur, Natural Convection Heat Transfer by Heated Plate using Different Types of Notched Fin Arrays—A Review // Asian Journal of Convergence in Technology, Volume IV, Issue I, 2018.
- ◆ Shyamsing V. Thakur, Ramsing V. Thakur, Dr. S. M. Lawankar —Optimization of process of biodiesel produced via Acid catalysts using Sulfuric Acid, Hydrochloric acid and Nitric acid. // Asian Journal of Convergence in Technology, Volume IV, Issue I, 2018.
- ◆ Shyamsing V. Thakur, Ramsing V. Thakur, Dr. S. M. Lawankar Titled —Solar Based Refrigeration and Air Conditioning : Ejector Based and LDAC Approach // Asian Journal of Convergence in Technology , Volume III, Issue II, 2017.
- ◆ Shyamsing V. Thakur, Ramsing V. Thakur, Titled —Cost Reduction by Systematic Implementation of Lean Manufacturing Tool BEQ : A Case Study // **ICETMT 2016**, GE-International Journal of Management Research Special Issue Dec 2016.
- ◆ Shyamsing V. Thakur, Ravindra S.Lahane Titled —Analysis and Design of Fuel Theft Prevention and Automation // World Journal of Engineering Research and Technology, Dec issue 2016



Ms. Nirmala H Bhingare
Assistant Professor,
Department of Mechanical
Engineering

Name of Faculty

Ms. Nirmala Harishchandra Bhingare

Department and Designation

Assistant Professor , Mechanical Engineering
Department

Domain

Materials science and technology

Qualification

Ph D (Pursuing, Mech. Engg.)
M.Tech (Materials science and technology)
B.E (Mechanical)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	—
International Journal	03
National Conference	01
International	04
Books Published	—
Patents	—
Invited as Resource Person	—
Guided PhD	—

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Design and optimization of Acoustic material. (ongoing)
- ◆ Design and development of biomaterial. (ongoing)
- ◆ Stress analysis of laminated composite material. (completed)

Awards and Recognition

- ◆ Completed NPTEL course on “ Manufacturing of Composite” conducted by IIT Madras.
- ◆ Institutional Training on ANSYS and MATLAB Integrated Finite Element Method conducted by Michigan state university
- ◆ Participated in workshop on High temperature Mechanical properties of materials conducted by NIT Calicut.

Recent Five Publications

- ◆ Nirmala H Bhingare, Swati K Dhamale and Sadhana H Bhingare. "Stress Analysis of Glass/Epoxy Symmetric and Asymmetric Composite Laminated Plate by Using Finite Element Method in MATLAB." International Journal for Scientific Research and Development 5.10 (2017): 341-344.
- ◆ Nirmala H Bhingare, Vitthal H Bhingare and Sadhana H Bhingare. "Stress Analysis of Hybrid Laminated Composite Plate by Using Finite Element Method in MATLAB." International Journal for Scientific Research and Development 5.10 (2017): 595-598
- ◆ S. K. Dhamale, N. H. Bhingare "A Review on Design and Analysis and optimization of Helical Compression Spring for suspension system." Published in International Journal of Trend in Research and Development (IJTRD), ISSN: 2394-9333, Volume-5 | Issue-1 , February 2018
- ◆ Nirmala H Bhingare , Swati K Dhamale “Review Paper on Strain Recovery and Energy Absorbing Capacity Characteristics of Ni-Ti Metal Foam, International conference on Innovations in thermal, design, materials and manufacturing engg.-2018.
- ◆ Swati K Dhamale , Nirmala H Bhingare , “Review Paper on recent advancements in additive manufacturing, International conference on Innovations in thermal, design, materials and manufacturing engg.-2018.

Name of Faculty

Prof. Deepak Kumar Sharma

Department and Designation

Asst. Professor, Mechanical Engg. Department

Domain

Thermal Engineering

QualificationM.Tech. (Thermal Engineering),
B.Tech. (Mechanical)**About**Completed M. Tech from COEP, Pune in 2015
and having 3 yrs of Industrial experience and 3

yrs of teaching experience.



Prof. Deepak Kumar
Sharma
Assistant Professor,
Department of Mechanical
Engineering

Research Paper

National Journal	--	03
International Journal	03	
National Conference	02	
International	01	
Books Published	—	
Patents	04	
Invited as Resource Person	—	
Guided PhD	--	

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Developed Digital Fuel Volume Indicator System for bikes.
- ◆ Developed Solar water heater using Fresnel lens.
- ◆ Developed Cotton seed sowing machine.
- ◆ Developed Bladeless Turbine for low pressure recovery.
- ◆ Developed Electromagnetic Piston Engine.
- ◆ Developed Triple Concentric Tube Heat Exchanger.

Awards and Recognition

- ◆ Member of Institution of Engineers (*India*).
- ◆ Member of International Association of Engineers (IAENG)
- ◆ Published Three Patents

Recent Five Publications

- ◆ Deepak Sharma "Bladeless Turbine for Low Pressure Recovery", *International Journal of Modern Trends in Engineering and Research (IJMTER) Volume 05, Issue 6, [June – 2018] ISSN (Online):2349-9745; ISSN (Print):2393-8161*
- ◆ Deepak K Sharma "Experimental Experimental And Theoretical Analysis Of Triple Concentric Tube Heat Exchanger", *IJARIE, Volume : 3, Issue : 7, DOI: 16.0415/IJARIE-8595 , 2018*
- ◆ Deepak K Sharma "Design and Development of Vacuum Compartment for Refrigerator: A Critical Review", *International Journal of Modern Trends in Engineering and Research (IJMTER) Volume 03, Issue 12, [December – 2016] ISSN (Online):2349-9745; ISSN (Print):2393-8161*

Name of Faculty

Mr., Sandeep M Desai

Department and Designation

Assistant Prof. Mechanical Engg. Department

Domain

Biomaterials, Manufacturing of BioImplants, Conventional and Non-Conventional Machining, Surface integrity in machining, Biodegradable materials.

Qualification

M.tech Manufacturing Engineering, B.E Mechanical, DME

About

Highly focused professional with commitment to achieving goals in an efficient manner. Meticulous, critical and logical thinker.



Mr. Sandeep M Desai
Assistant Prof.
Dept of Mech. Engg.

Research Paper

National Journal	--
International Journal	03
National Conference	01
International Conference	08
Books Published	00
Patents	--
Invited as Resource Person	00
Guided PhD	--

Patents (Filed / Published)

Nil

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Experimental Investigation in Face Milling of Mg-Ca1.0 Biodegradable Alloy

Awards and Recognition

Nil

Recent Publications

- ◆ Sandeep Desai, Raju Pawade, "Effect of High Speed Dry Machining on Surface integrity and Biodegradability of Mg-Ca1.0 Biodegradable Alloy", Materials Today: Proce. 4 (2017) P. 6718-6727
- ◆ Sandeep Desai, Raju Pawade "Influence of Manufacturing Parameters on Performance of Biodegradable Mg-Ca1.0 Implant" Atlantis Press, Vol. 137, Pp. 252-258, 2017.

Name of Faculty

Mr. Deepak Sunil Patil

Department and Designation

Asst. Professor Mechanical Department

Domain

Thermal

Qualification

M.E (Heat Power), B.E (Mechanical)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Mr. Deepak Sunil Patil
Assistant Professor
Mechanical Engineering

**Research Paper**

National Journal	--
International Journal	04
National Conference	01
International Conference	01
Books Published	00
Patents	01
Invited as Resource Person	00
Guided PhD	--

Patents (Filed / Published)

01

NIL

Details of Products (Developed/ Ongoing)

1. CFD Flow analysis over a Anguilliform fish shape body by using level set based immersed boundary method.(Completed)
2. Recirculation of Waste water technology in apartments.(Ongoing)

Awards and Recognition

NIL

Recent Five Publications

- ◆ A Review of effect of different parameters in Friction Stir Welding, Rane, Jyotsna S; Patil, Deepak S; Mohale, Vaibhav Vol. 8, Iss. 2, A Review of effect of different parameters in Friction Stir Welding
- ◆ A Review on - Fluid Structure interaction , Deepak. S. Patil,Dr. Tapobrata Dey A Review on - Fluid Structure interaction Volume 3, Issue 3, 2016 e-ISSN: 2394 - 3343 p-ISSN: 2394 - 5494
- ◆ Dehumidification And Air Conditioning Using Heat Pipe, Sunil S Patil, Deepak S Patil, Rohit P Patil Dehumidification And Air Conditioning Using Heat Pipe e-ISSN: 2278-1684,p-ISSN: 2320-334X PP. 58-66
- ◆ FORMING ANALYSIS USING PAMSTAMP 2G ,Deepak Patil | Sunil Patil | Vipin Chopade Forming analysis using PAMSTAMP 2G Volume 4 Issue 1 – JANUARY 2018 ISSN [ONLINE]: 2395-1052
- ◆ Level set based Immersed Boundary method and its application to CFD simulation for moving boundary problem, Deepak. S. Patil, Atul Sharma, Namshad T and Tapobrata Dey Level set based Immersed Boundary method and its application to CFD simulation for moving boundary problem Special Issue-5 (June 2016) E-ISSN 2277 – 4106, P-ISSN 2347 – 5161
- ◆ Performance of Heat Pipe and its Application for Dehumidification and Air Conditioning ,Sunil S Patil, Deepak S Patil, Sunil Yadav Performance of Heat Pipe and its Application for Dehumidification and Air Conditioning V-7 Issue-1 2319-3182

Name of Faculty

Mr. Vivek Vitthalrao Diware

Department and Designation

Mechanical Engineering (Assistant Professor)

Domain

Engineering Design, Advance Manufactur-

Qualification

M. Tech. (Mechanical Engineering Design)

About

To give efficient efforts for progress of an organization with better utilization



Mr. Vivek V Diware
Assistant Professor
Mechanical Engineering

Research Paper

National Journal	--
International Journal	06
National Conference	—
International	02
Books Published	—
Patents	01
Invited as Resource Person	01
Guided PhD	--

NIL

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ 3D Printer, Duel Fuel Brooder

Awards and Recognition

NIL

Recent Five Publications

- ◆ Mr. Vivek V Diware, Mr. Akshay Sabale et. all, —Brooding Systems in Poul-try Farm a Reviewll IRJET Volume – 05 Issue – 01 Jan 2018
- ◆ Mr. Vivek V Diware, Mr. Manish Chettiyar et all —Analysis and Material Optimization of Steering Knuckle using FEAll NETSRM ISBN – 978-93-87793-13-2 April 2018
- ◆ Mr. Vivek V Diware, Ms. Ashwini Patil, et all —Design Analysis and Fabrica-tion of Three Link Screw Jackll IJRDT Volume – 07 Issue – 02 Feb 2017
- ◆ Mr. Vivek V Diware, Ms. Manasai Sonawane —Use of exhaust heat energy of two wheelers to generate power by seebeck effectll IRJET Volume – 04 Issue – 01 Jan 2017
- ◆ Mr. Vivek V Diware, Mr. Kamesh Jagtap et. all —Suspension system for an all train vehical: A Reviewll IJERGS – Vol. 4, Issue 3, 2016

Name of Faculty

Mr. Anup R. Chaple

Department and Designation

Assistant Professor , Mechanical Engineering Department

Domain

CAD/CAM

Qualification

M. Tech. (CAD/CAM), B.E (Mechanical)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Mr. Anup R. Chaple
Asst. Professor
Mechanical Engineering
Department

**Research Paper**

National Journal	Nil
International Journal	08
National Conference	03
International	01
Books Published	Nil
Patents	Nil
Invited as Resource Person	Nil
Guided PhD	Nil

NIL

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ **Prof. Anup Chaple**, Vikram Rathod, Shubhada Janotkar, Nikhil Daundkar, Ajay Mahajan, "Power Generation Using Piezoelectric Material" , International Research Journal of Engineering and Technology (IRJET), Volume: 05 Issue: 02 | Feb-2018, e-ISSN: 2395-0056, p-ISSN: 2395-0072.
- ◆ **Prof. Anup Chaple**, Prof. Sushant Patil "CFD Analysis of Missile Base Heating" in International Journal on Theoretical and Applied Research in Mechanical Engineering (IJTARME) (ISSN Print: 2319-3182) Vol.6, Issue-1-2, February 2017.
- ◆ **Prof. Anup Chaple** ,Prof. Ajay Pathak, Prof. Deepak Sharma, "Design and Development of Vacuum Compartment for refrigerator: A Critical Review" in International Journal of Modern trends in Engineering and Research (IJMTER) (ISSN Online: 2349-9745) Vol. 3, Issue: 12, December 2016.
- ◆ **Prof. Anup Chaple**, Prof. Swapnil Nimbhorkar Mr. Pravin Ambulkar, "Review on non conventional Energy Source Operated Agricultural Pesticide Compact Spray Pump" in International Journal of Innovative Research in Science, Engineering & Technology (IJIRSET) (ISSN: 2347-6710) Vol.5, Issue: 3, March 2016.
- ◆ **Prof. Anup R. Chaple** "5 Axis Milling Machine for Drilling Inclined Holes in Parts" in International Journal Research in Modern Engineering & Emerging Technology (IJRMEET) (ISSN: 2320-6586) Vol.2, Issue: 3, Aug-Sept.2014.
- ◆ **Mr. A. R. Chaple**, Prof. S. S. Khedkar "Review of Automatic lay-up process for manufacturing of corrugated roofing sheet" in International Journal of Mechanical Engineering and Research (IJMER), March 2013.



Mr. Vikram Kulkarni
Assistant Professor
Mechanical Engineering

Name of Faculty

Mr. Vikram Kulkarni

Department and Designation

Assistant Professor Mechanical Engineering
Department

Domain

Design Engineering

Qualification

M.Tech(Design Engineering), B.E (Mechanical)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	04
National Conference	02
International Conference	02
Books Published	—
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

- ◆ Linear static analysis and optimization of wing attachment bulkhead of Light Transport Aircraft (LTA) (Ongoing)

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ Transmission Drive for Rotary Union Test Rig
- ◆ Design and analysis of Suspension System Components
- ◆ Fundamentals and Parameters Affecting the Performance of Tire down the road
- ◆ Design and Analysis of Manual Rice Planter
- ◆ Structural Analysis of Bulkhead

Department

Name of Faculty

Rachit Roshan

Department and Designation

Asst. Professor

Domain

Thermal Engineering

Qualification

M.Tech. (Thermal Engineering), B.E (Mechanical)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.



Mr. Rachit Roshan
Asst. Professor
Mechanical Engineering

Research Paper

National Journal	--
International Journal	02
National Conference	--
International Conference	--
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

NIL

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Chilled air cooling effect using air cooler & compressor

Awards and Recognition

- ◆ Member of AMERICAN SOCIETY OF MECHANICAL ENGINEERS.

Recent Five Publications

- ◆ Experimental Investigation on Performance Analysis of C.I. Engine using Diesel with Biogas, International J. Technology. January – June, 2016; Vol. 6: Issue 1, ISSN 2231-3915 (Online)
- ◆ Cost Analysis on Performance of C.I. Engine using mixture of Diesel and Biogas, Research J. Engineering and Tech. 7(4): October- December, 2016, 2321-581X (online)

Department

Name of Faculty

Dr. Shekhar W. Musane

Department and Designation

Assistant Professor, Mechanical Engineering De-partment

Domain

Design Engineering

Qualification

M. Tech (Mech Design Engg.), B.E (Mechanical)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.



Dr. Shekhar W. Musane
Assistant Professor,
Mechanical Engineering De-

Research Paper

National Journal	--
International Journal	--
National Conference	--
International Conference	03
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

Recent Five Publications



Swapnil Y. Taware
Assistant Professor,
Mechanical Engg Department

Name of Faculty

Mr. Swapnil Yashwant Taware

Department and Designation

Assistant Professor, Mechanical Engineering Department

Domain

Design Engineering

Qualification

M. Tech (PhD Pursuing)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	04
National Conference	--
International Conference	--
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Design and Development of Special Purpose Machine For Drilling Operation
- ◆ Design and Development of Split Casing Open Differential Gearbox Without Cross Pin

Awards and Recognition

NIL

Recent Five Publications

- ◆ **R. Kadge, V. Mohale, K. Kakade, P. Biradar, Swapnil Taware**, "Split Casing Open Differential without Cross pin and it's comparison with Single Piece Casing Differential", International Research Journal of Engineering and Technology (IRJET), Vol. 5, Issue 2, ISSN (online): 2395-0056, 2018.
- ◆ **Swapnil Taware, A. Chiwade, S. Kshirsagar, S. Kulkarni**, "Design Modelling and Manufacturing Aspect of Honeycomb Sandwich structure by using Aluminium", MD Infotech special edition, Pages 1-7, 2018.
- ◆ **Vinayak W Bembrekar, Swapnil Y Taware**, "Experimental Investigation in Friction Drilling on Copper and Aluminum Component by Using Tungsten Carbide Tool" International Journal for Science and Advance Research In Technology, Vol. 3, Issue 12, ISSN (online): 2395-1052, 2017.
- ◆ **Pravin Hare, Prof. S. Y. Taware**, "Analysis of Static and Dynamic Behavior of Variable Pitch Cylindrical Compression Springs in Comparison with Constant Pitch Cylindrical Compression Springs", International Engineering Research Journal, Page No 1542-1548, June 2016.
- ◆ **Vikrant Jagadale. Prof. S. Y. Taware**, "A Review on Fatigue Analysis of Composite Steering Column", International Journal of Innovative Science, Engineering & Technology, Vol. 2 Issue 4, ISSN 2348 – 7968, April 2015.



Mr. Navalkant Konda

Assistant Professor, Mechanical Engineering Department

Name of Faculty

Mr.Navalkant Konda

Department and Designation

Assistant Professor, Mechanical Engineering Department

Domain

Physical Metallurgy

Qualification

M.Tech (Physical Metallurgy), B.E (Mechanical)

About

TO BUILD A LONG-TERM CAREER AS PROFESSOR WITH OPPORTUNITIES FOR CAREER GROWTH AND TO KEEP UP WITH THE CUTTING EDGE OF THE TEACHING TECHNOLOGIES. TO ENCOURAGE CREATIVITY AND HIGHER-ORDER THINKING TO INCREASE STUDENT PERFORMANCE

Research Paper

National Journal	--
International Journal	--
National Conference	--
International Conference	--
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Conducting poly (aniline-co-o anisidine) coating on low carbon steel : Synthesis, Characterization and corrosion protection studies.
- ◆ Weight reduction of stainless steel table used for catering Services by alternate materials.
- ◆ Automatic weeder machine.

Awards and Recognition

NIL

Recent Five Publications

NIL

ing

Name of Faculty

Mr. Raghavendra V. Kathari

Department and Designation

Assistant Professor,
Mechanical Engineering Department
Heat Power



Domain

Qualification

About

M.E (Mech, Heat Power), B.E (Mechanical)

A quality-oriented professional with nearly 7 years of experience in Teaching and Industry and to be part of a challenging and growing organization.

Mr. Raghavendra V. Kathari
Assist. Prof.
Mechanical Engineer-

Research Paper

National Journal	--
International Journal	02
National Conference	02
International	01
Books Published	00
Patents	--
Invited as Resource Person	01
Guided PhD	--

Red Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Application of Optimization Method and Experimental Investigation of Divergent Vortex Tube. (completed)

Professional body Membership & Workshop

- ◆ Member of **ASHRAE*** MBR#8278159 and SAE
- ◆ Life Member of **ISTE****, # LM 114548
- ◆ Associate Member of Institute of Engineers India **IEI** AM178391-5
- ◆ International Association of Engineers, **IAENG** Member Number: 212276
- ◆ Attended Two- Week ISTE Workshop on Engineering Thermodynamics IITB, Mumbai

Recent Five Publications

- ◆ R. V. Kathari, "**A Review on Numerical & Experimental Investigation of Ranque Hilsch Vortex tube for thermal performance**" Spvryan's SEST ISSN 2394 0905, vol. 1, Issue 2 pp. 22-27, 2015.
<http://spvryan.org/Issue2Volume1/22.pdf>
- ◆ R. V. Kathari, "**An Experimental Study on the Effect of Parametric Variation on Cold Mass Fraction of Diverging Vortex Tube**" IJSART ISSN [Online] 2395- 1052 vol. 2, Issue 1 pp. 35-40, 2016.
<http://ijsart.com/Home/IssueDetail/668>



Mr. Vishwanath Hunagund
Asst. Professor,
Mechanical Engineering Department

Name of Faculty

Mr. Vishwanath Hunagund

Department and Designation

Asst. Professor , Mechanical Engineering Department

Domain

Thermal Engineering

Qualification

M . Te ch(T he r m a l p o w e r E n g i n e e r i n g) ,
B.E (Mechanical)

About

Graduated in Mechanical Engineering and Post graduated in thermal Engineering, worked as Engineer in project of Steel melting Shop at BMM Ispat Ltd, Bellary Karnataka for 3.2 years. Enthusiastic to learn, share knowledge which is essential in teaching and having teaching experience of 2.5 years.

Research Paper

National Journal	01
International Journal	01
National Conference	04
International	01
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Experimental investigation of effect of pipe elbow on co-efficient of discharge of venturimeter

Awards and Recognition

Recent Five Publications

- ◆ Published research paper on “**Experimental Investigation of Influence of Pipe Elbow on Coefficient of Discharge of Orifice Meter**” IJARSE, Volume 7, April 2018.
- ◆ Published International paper on “**Experimental investigation of influence of pipe elbow on co-efficient of discharge of Nozzle meter**” (IJIRT Volume III 2015).
- ◆ Published research paper in National Conference on “**New Era in Technologies, Science and Role of Management**” PGMCOE, Wagholi, Pune in 2018

Department

Name of Faculty

Mr. Tejas D. Bhirud

Department and Designation

Assistant Professor, Mechanical Engineering Department

Domain

Production Engineering

Qualification

M. Tech (Production Engineering), B. E. (Mech)

About



Mr. Tejas D. Bhirud
Assistant Professor
Mechanical Engineering De

Research Paper

National Journal	--
International Journal	—
National Conference	—
International	02
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

NIL

Completed Projects

NIL

Details of Products (Developed/ Ongoing)

1. Experimentation and Optimization of Shrinkage and Analysis of Stresses induced in Plastic Injection Molded GPPS Part (Completed)
2. Design of Screw Polishing Machine (Completed)
3. Determination of Modulus of Elasticity of Elevator Wire Rope (Completed)
4. Fabrication of Central Tyre Inflation System (Completed)
5. Regenerative Breaking System (Completed)
6. Automatic Self Torque Adjusting Vehicle (Completed)

Awards and Recognition

NIL

Recent Five Publications

- ◆ T. Bhirud, R. Metkar (2017), "Experimentation and Optimization of Shrinkage in Plastic Injection Molded GPPS Part", ICMMMD-2016 conference, Advances in Intelligent Systems Research (Atlantis Press), vol. 137, pp. 107 -112. doi: 10.2991/iccasp-16.2017.18 ISBN:- 978-94-6252-305-0, ISSN:-1951-6851.
- ◆ Tejas D. Bhirud, Rajesh M. Metkar (2015), "Optimization Techniques for Development of Process Parameters in Plastic Injection Molding- A Review", ICIE-2015 conference, vol. 1, pp. 753-757. ISBN:- 978-93-84935-56-6.

g Department

Name of Faculty

Mr. Aniket A. Hase

Department and Designation

Assistant Professor, Mechanical Engineering Department

Domain

Design

Qualification

M.Tech. (Mechanical Design), B.E



Mr. Aniket A. Hase

Assistant Professor
Mechanical Engineering

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	00
International Journal	00
National Conference	01
International Conference	00
Books Published	00
Patents	00
Invited as Resource Person	00
Guided PhD	00

NIL

Sponsored Projects

- ◆ Vibration analysis of thin narrow tubes under acoustic excitation, sponsored by IIT Hyderabad

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

- ◆ Member of International Association of Engineers (IAENG)

Recent Five Publications

- ◆ Aniket A. Hase, Manzooramad M. Mirza, Deepak C. Akiwate, "VIBRATION MEASUREMENT OF FLEXIBLE NARROW TUBE UNDER ACOUSTIC EXCITATION", JournalNX - A Multidisciplinary Peer Reviewed Journal, RIT PG Con-18, ISSN: 2581-4230, Page No. 369-373.
- ◆ Aniket A. Hase, Manzooramad M. Mirza, "Vibration analysis of thin narrow tubes under acoustic excitation", International Journal on Advanced Science, Engineering and Information Technology. (In review)



DEPARTMENTAL RESEARCH ACTIVITIES



Department of Mechanical Engineering gives emphasis on quality research through BE & M.E projects. Many projects group has worked on the practical problems and their solution through experimental studies based on the development of experimental set ups and models. Few of them are as mentioned below:

HCNG Blends Setup for Multi-cylinder SI Engine using Sequential Injection System

Dr. P T Nitnaware

This research shows the effects of 0%, 5%, 10% and 15% blends of hydrogen by energy with Compressed Natural Gas (CNG) on multi-cylinder bi-fuel spark ignition engine using sequential port fuel injection system. At WOT (Wide Open Throttle) position MBT (Maximum Brake Torque) spark timing shown improvement in performance parameters with reduction in NO_x emission. MBT spark timing increased with increase in speed and decreased with increase in hydrogen addition for all fuel blends. Hydrocarbon (HC) and carbon monoxide (CO) emissions rose up with decrease in equivalence ratio and reduced with increase in HCNG blends. Hydrogen addition had shown rise in peak pressure, increase in heat release rate and decrease in combustion duration. The optimum MBT spark timing observed for 5% hydrogen blend at 2500 rpm is 25 °CABTDC for compromise with oxides of nitrogen (NO_x) and performance output.



Design and Analysis of Overhead Crane for Pouring Molten Metal in Casting Cavity

Dr. R S Hingole

This project deals with the design and analysis of Overhead Crane structure for pouring the molten metal into the casting cavity. Traditionally the pouring of molten metal in casting cavity is done manually i.e. human power is required for pouring the molten metal in to the casting chamber. But during this process, various accidents occur. As the handling of molten metal is difficult and is hazardous for human when improperly handled. Therefore a mechanical structure is required to be developed. The main aim of this project is to design and analyze Overhead Crane structure for pouring the molten metal from molten metal hub to the cavity to reduce the accidents that may occur while handling the molten metal. For that overhead crane various components like I section, Ball screw, belt drive are designed and analyze.



Multi-spindle Profile Friction Stir Welding Machine for Welding of Plastic Parts

Dr. V S Jatti

This invention is related to a multi spindle profile friction stir welding machine which includes a table for supporting parts to be welded and a frame extending over the table. A first drive is in the direction of X-axis supported by an element of the frame and is operatively connected to a housing of spindle having a tool. Drive moves the tool in a first direction i.e. X axis, this first drive of the spindle stops then, second drive engages. A second drive is supported by a second element of the frame by means of table. It is in the direction of Y-axis and is operatively connected to the table for moving the parts at a joint into the desired position, thereby initiating friction stir welding process. A Third drive is supported by a third element of the frame by means of overhang in vertical position. It is in the direction of Z-axis. The friction stir welding machine has a pair of rotating tools mounted in a horizontal support which is perpendicular to the axis of the tool. The axis of rotation is substantially perpendicular to an axis of table and X-axis. However, the axis of the tool is parallel with Z-axis. Therefore these tools plunged in a Z direction or operated in Z- axis. The rotating tool is specially designed to contact a surface of the material in response to the tool penetrating the material to a desired depth by either side. Friction stir welding tool can be easily adjusted according to the thickness of the material to be welded. The work supporting table and tool of the friction stir welding machine is mounted on ball screw or hydraulic piston and servomotor system for motion of the desired position as well as securing the parts. These three axes are connected to the microcontrollers. The information obtained from the drawing is feed to the computer. Then computer gives instruction to microcontroller and then process execute according to the desired drawing.



Multi-Crop Harvesting Machine

Dr. R S Hingole, R S Lahane

India's economy finds its roots in agriculture. More than 50% of workforce in India is dependent on agriculture. India being the largest producer of many crops like rice, pulses, spices and spice products it export these crops too. Now, as agriculture is this much important to India, farmers of India don't get enough wages out of it and find it difficult to produce required quality and quantity of crops. This is due to high labor cost and highly expensive cultivating machines and as time is moving population of India increases so do the food requirements so taking into consideration all of the above mentioned problems this machine aims to be affordable and efficient. This machine is economical and helps farmer to achieve higher productivity.



Innovation Centre Alternative Gaseous Fuels for SI Engine

This setup is developed in Thermal Engineering Laboratory. On this setup we can perform more than ten (10) experiments trials for student and for research. The details of experimentation is as follows:

- 1: To study **performance characteristics** of SI Engine.
- 2: To study **emissions (CO, HC, NO_x, CO₂, O₂) of SI Engine** using 5 Gas Analyzer.
- 3: To study **combustion characteristics** (PV, P_{max}, COV, HRR, CHRR,) of SI Engine
- 4: To study performance emissions and combustion characteristics of SI Engine using **CNG sequential gas Injection**
- 05: To study **MBT spark timing** in SI engine for Gasoline, CNG and Hydrogen fuels
- 6: To study effects of **HCNG blends** on performance emissions and combustion characteristics of SI Engine
- 7: To study effects of cooled **Exhaust Gas Recirculation** in SI Engine using HCNG blends
- 8: To study **coolant temperature effects** on Performance and emissions of SI Engine
- 9: To study Performance and combustion characteristics for SI engine using **Hydrogen as fuel**
- 10: To study effects of **Fuel injection pressure** in MPFI engine.

MOU with Industries : 35

Patent : 30

**Publication in Journals : 220
(National & International)**

Centre of Excellence in Robotics

As per syllabus of Savitribai Phule Pune University, for subject '**Robotics**' Workshop on '**Experts Industrial Robotics to Workshop**', organized in Mechanical Engineering Department

The purpose of Workshop is to bridge Gap between Theory subject and Practical Exposure to Students of UG. This workshop aims at giving an opportunity to the buddy engineers to take a stand and actively participate in the "**Training on Live Robo**" in our institute. This workshop covers the concepts of "Industrial Robotics, Motion Control, and Mechatronics." Hence in regards to this we believe that the students participating would be definitely benefited. Also some of the Experts from Industry are coming for giving live industry practical exposure.

Students of UG had Organized Experts **Industrial Robotics to Workshop**, under the guidance of faculty Prof. **R.S.Lahane and Prof. S.V.Thakur**.

PMS Robotics Research Centre, Pune

The lab aims to work on research problems and innovative projects that extend the state of the art in robotics. The centre's research focuses in the areas of Mobile and Aerial Robotics, Robotic Vision, Mechanism Design and Multi Robotic Systems. The lab is well equipped with robot platforms and advanced sensors and has been publishing in top international conferences like ICRA, IROS, IJCAI, AAMAS.

Topic of Discussion and Training session during Workshop by Speaker

Mr. P. M. Salunke, CEO, PMS Robotics Research Centre, Pune. Explained about Advance Axis Programming. Advance metal Cutting Technology 1 Axis Programming, Working Planes, Intro Parametric Programming & Developing Macros.

Introduction to FMS, CIM. and Taught the Participant about robot programming how to control the motion and path .

Mr. P. M. Salunke CEO, PMS Robotics Research Centre, Pune. Explained about Robot Motion Control and Robotics Motion controller algorithm development PID Control Theory. Data acquisition from feedback devices Servo technology linear potentiometer encoders (rotary, optical) Motors, feedback devices, sensors, tuning, testing, acceleration, velocity, positioning testing Motion control programming(VC++) Open loop system and close loop systems. S-curve, t-curve functions. Linear interpolation, circular interpolation, Helical Interpolation, How coded instruction are converted into pulses and given to appropriate motors. Mechanical drive. Industrial Robot and their Types Robo Programming and operating.

Mr. Rajesh Bade, General Manager, ThyssenKrupp Industries Private Limited Pimpri, Pune, India was explained about the each and every process of Car and How to Repair and Maintained car components. Then sir Explained about importance of Material in designing any component and give complete practical exposure to automation in industry .What is importance of Robots Automation in Industry?

Mr. Shankar Chavan, MD, Sagar Gears Pvt Ltd, Tadwade, Pune on Explain about the gear design and what is importance of gear boxes on shop floor and Problems about it. He explained detailed process of gear.





Production Engineering



Production Engineering Department was started in 2002 with an intake capacity of 30 students. Intake capacity was increased from 30 to 60 with effect from July 2009. The degree course in Production Engineering-Sandwich is different from regular Production Engineering course.

The Department of Production Engineering plays an important role in areas materials, transportation, robotics, manufacturing, information technology, biomechanics, many of which are national priorities.

The Departments of Production Engineering have recently merged to better respond to the needs of society. The integration produced a rich portfolio of research and academic activities in areas ranging from nano-scale processing to health-care robotics up to supply chain management. Specialization, Materials and Manufacturing, Robotics. One of the important features of production-Sandwich lies in the fact that it includes one-year Industrial training as a part of academics. This gives the opportunity for students to learn practical working procedures as well as latest technical skills.

During this training period, students can apply their theoretical knowledge and acquire skills to enhance their performance in the engineering field. The department is having close interaction with industries that helps in getting sponsored projects and the potential exists for quality improvement of the course. Regular interaction of all faculties helps students to clarify doubts as well as motivate students in exploring latest trends in the Industry. This training helps to convert students ready to work in Industries. Most of our students are directly absorbed where they have worked for training during Sandwich course.

Dr.V. A .Kulkarni
HOD Production



Dr Vinay Arun Kulkarni
Production Engineering

Name of Faculty

Dr Vinay Arun Kulkarni

Department and Designation

Production Engineering
Associate Professor

Domain

Metrology and Quality Engineering

Qualification

Ph.D in Production and IE, MTech

About

Research Interests: Engineering Metrology, Quality Engineering, Outcome Based Education, Pedagogies in Teaching and Learning Processes

Research Paper

National Journal	02
International Journal	11
National Conference	04
International	04
Books Published	03
Patents	--
Invited as Resource Person	04
Guided PhD	01

Patents (Filed / Published)

NIL

Details of Sponsored Projects

Sponsor research projects Title	Funding Agency	Funding Amount	Duration	Year
Mathematical Modeling to derive relationship between machinability and process capability analysis	SPPU	1,50,000/-	Two Years	2011
Development of SCADA for real time error analysis in measurement system by touch trigger probe type CMM	SPPU	1,60,000/-	Two Years	2016
CFRP Zirconia CMM Ball Plate Artifact	Samrudhi Engineering	50,012/-	One Year	2017

Details of Products (Developed/ Ongoing)

Product Title	Domain	IP Valuation	Year	Status
SCADA System for Measurement	Metrology Engineering		2016	Completed
Zirconia-Dolerite Ball Plate for Interim Check of CMM	Metrology Engineering		2016	Completed
CFRP Hole Plate Artifact	Metrology Engineering		2018	Ongoing

Awards and Recognition

- ◆ NPTEL – 03
- ◆ IIT Bombay FDP – 101x, 201x and 301x
- ◆ Reviewer – 04

Recent Five Publications

- “Test Specific Uncertainty Analysis of Zirconia-Dolerite Ball Plate by Monte Carlo Simulation”, Mapan, March 2016, Springer, Volume 31, Issue 1, pp 1-8
- VA Kulkarni, MR Dhanvijay, Prof. Dr. B. B. Ahuja, “CO-PO Mapping and Attainment Booklet for Tier-II Students with Rubrics Assessment”, Journal of Engineering Education Transformations 30 (3), 28-34, 2017
- VA Kulkarni, AK Bewoor, P Malathi, BS Balapgol, “Employability Skill Matrix for Engineering Graduates of Tier-II Institutes”, Journal of Engineering Education Transformations 30 (3), 71-76, 2017
- VA Kulkarni, Prof Dr BB Ahuja, “Statistical Performance Analysis of Zirconia-Dolerite Ball Plate for Dimensional Stability” International Journal of Innovative Technology and Exploring Engineering, 30-37, Volume 4, Issue 10, March 2015
- VA Kulkarni, Prof Dr BB Ahuja, Dr (Mrs) A V Mulay, “Pooled Error Compensation Mapping of Probe Type Coordinate Measuring Machine” International Journal of Scientific & Engi-



Dr.Nitin Kundlik Kamble

Production Engineering

Name of Faculty

Dr Nitin Kundlik Kamble

Department and Designation

Production Engineering
Assistant Professor

Domain

Manufacturing and Automation, Forming

Qualification

Ph.D in Production

About

Research Interest in Forming process and Manufacturing Engineering.

Research Paper

National Journal	01
International Journal	10
National Conference	02
International Conference	03
Books Published	—
Patents	--
Invited as Resource Person	--
Guided PhD	-

Patents (Filed / Published)

NIL

Details of Sponsored Projects

Sponsored research Project title	Funding Agency	Funding amount	duration	Year
Experimental Investigation of ,Analysis and Modelling in turning of Hardened steel	SPPU	140000/-	2 Years	2014-2016

Details of Products (Developed/ Ongoing)

Design and Development of Fluid Assisted blank Holder

Awards and Recognition

NIL

Recent Five Publications

- ◆ A review of the plasma arc cutting system, International conference on recent trends in mechanical Engineering sangali.2017
- ◆ Analysis Of Process Parameters By Using Fluid Assisted Blank Holding System [Fab] For The Steel 2062, Journal of Mechanical Engineer-ing Research (IJMER) 2017
- ◆ A compressive Review on influence of process parameters by a novel method form frilling technology Journal of emerging Technologies and Innovative Research
- ◆ Study on forming analysis by fab system in deep drawing process [M S2062] forming process using photogrammetric method and numerical simulation. Journal of Machining and Forming Technologies
- ◆ Experimental Investigation & Analysis Of Fluid Assisted Blank Holding System In Deep Drawing Process For Al Alloy 1050 By Using Grey -Relational Analysis Authors Experimental Investigation & Analysis



Dr Ganesh K Jadhav
Associate Professor

Name of Faculty

Dr Ganesh K Jadhav

Department and Designation

Production Engineering
Associate Professor

Domain

Thermal Engineering and Manufacturing

Qualification

PhD in Mech Engg, M.Tech (Mfg & Auto)

About

10 years Experience in Teaching
Experts in Industrial and residential
Ven-tilation, Industrial Robotics

Research Paper

National Journal	02
International Journal	08
National Conference	02
International Conference	-
Books Published	01
Patents	01
Invited as Resource Person	01
Guided PhD	-

Patents (Filed / Published)

Title	Authors	Applica-tion ID	Date	Status
A Turbo Ven-tilator Having Mass Flow Rate Improving Internal Blades	G K Jadhav and P M Ghanegaonkar	3502/MUM/2015	12/12/2015	Published and Awaiting for Ex-amination

Details of Sponsored Projects

Sponsor re-search pro-jects Title	Funding Agency	Funding Amount	Duration	Year
Upgradation of Turbo ven-tilator through Ex-perimental Investigation	BCUD,SPPU , Pune	2,70,000	2 Yrs.	2013-15

Details of Products (Developed/ Ongoing)

Developed the Turbo ventilator with additional mountings

Awards and Recognition

- ◆ NPTEL – 02 IIT Bombay FDP – 101x and 201x

Recent Five Publications

- ◆ Performance improvement of turbo ventilators with internal blades, International Journal of Advances in Building Energy Research, Taylor and Francis, Vol. 10 November 2016.
- ◆ Experimental and CFD Analysis of Turbo Ventilator” International Journal of Building Engineering, Elsevier, Vol. 6 April 2016, pp. 196-202
- ◆ Design, Modeling of Compact Stair Climbing Hand Cart” International Journal For Technological Research In Engineering Volume 5, Issue 3, November-2017 pp. 2347 – 4718
- ◆ Development of Head Light System and Automatic Hand Brake Release System” World Journal of Engineering Research and Technology wet, 2017, Vol. 3, Issue 6, pp 320-328.

Name of Faculty

Mr. Yogesh G. Kamble

Department and DesignationProduction Engineering
Assistant Professor**Domain**

Tool Design, Advance Manufacturing

Qualification

B.E.Production, M.Tech(Manufacturing Engg and Automation),PhD(Pursuing from



Mr. Yogesh G. Kamble

Production Engineering

About

Research work on design and development of friction drilling tool on metallic and non metallic workpiece is in progress.

Research Paper

National Journal	01
International Journal	02
National Conference	02
International Conference	01
Books Published	—
Patents	--
Invited as Resource Person	--
Guided PhD	-

NIL

of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

- ◆ Design and development of combination tool for form drilling and form tapping process.
- ◆ Experimental investigations of form tapping process on previously friction drilled holes on different workpiece materials.

Awards and Recognition

NIL

Recent Five Publications

- ◆ A Case Study On Ant Colony Optimization Technique , International Journal Of Engineering Research-Online(Ijoer), Date:28-06-2017, ISSN:2321-7758.
- ◆ A Comprehensive Review On Influence Of Process Parameters By A Novel Method Form Drilling Technique June 2017, Volume 4, Issue 06 JETIR (ISSN-2349-5162).

Name of Faculty

Mr. Rohit P Jadhav

Department and DesignationProduction Engineering
Assistant Professor**Domain**

Thermal Engineering and Manufacturing

Qualification

M.E (CAD/CAM/CAE), B.E (Production)

About

5.5 Years of teaching experience



Mr. Rohit P Jadhav
Production Engineering

Research Paper

National Journal	-
International Journal	03
National Conference	03
International Conference	02
Books Published	—
Patents	--
Invited as Resource Person	--
Guided PhD	-

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ —Comparative study of different types of end closures used in horizontal pressure vessels and its effect on stress levels in pressure vessel and saddle supportll. Published in World Journal of Engineering Research and Technology WJERT, Vol. 4, Issue 1, ISSN 2454-695X.
- ◆ —Increasing productivity through lean manufacturing system in industriesll. Published in World Journal of Engineering Research and Technology 2017, Vol. 3, Issue 7, ISSN 2454-695X.
- ◆ —Comparative Study of Circumferential Stress Induced in Pressure Vesselsll 1st International Conference on Materials, Manufacturing and Design Engineering 2016, Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India, 20-21 December 2016.
- ◆ —Optimization of Saddle Supports in Horizontal Pressure Vesselsll at Kokan Gyanpeeth Engineering College Karjat, in Emerging Research Trends in Applied Engineering and Technology (ICERAT–2016) on April 01-02, 2016.

Mr. Pradnesh R Padave
Production Engineering
Assistant Professor

Research Paper

National Journal	-
International Journal	01
National Conference	03
International Conference	01
Books Published	—
Patents	--
Invited as Resource Person	--
Guided PhD	-

Name of Faculty

Mr. Pradnesh R Padave

Department and Designation

Production Engineering
Assistant Professor

Domain

Manufacturing and Automation

Qualification

Master's of Engineering

About

5.5 Years of teaching experience



Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

NIL

Awards and Recognition

NIL

Recent Five Publications

- ◆ Presented paper in National Conference on “Improvement of Surface Roughness in Eco-friendly Grinding Process by using Compressed Air as Coolant Medium” In PANSOPHY organized by D Y Patil Institute of Engineering and Technology
- ◆ Published paper in International Research Journal of Science Engineering and Technology on “Investigation Of Process Parameters In AJM On OHNS”
- ◆ Presented paper in National Conference on “Implementation of KAI-ZEN to improve productivity in washing machine manufacturing” Organized by D Y Patil College of Engineering.
- ◆ Published paper in International Conference on “Experimental Analysis of Process Parameters in Fluid Assisted Blank Holding System in Deep Drawing Process for Al 1050” organized by NIT Jalandhar.

Name of Faculty

Mr. Mallikarjun N Mathapati

Department and DesignationProduction Engineering
Assistant Professor**Domain**

Product design and manufacturing

Qualification

M.Tech in PDM

About5 years' Experience in Teaching
Product Design and Composite Materials**Mr. Mallikarjun****NMathapati**

Production Engineering

**Research Paper**

National Journal	-
International Journal	02
National Conference	02
International	03
Books Published	—
Patents	--
Invited as Resource Person	--
Guided PhD	-

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Product Development of spark plug using reverse Engineering

Awards and Recognition

NIL

Recent Five Publications

- ◆ —Comparative Study of Circumferential Stress Induced in Pressure Vessels|| 1st International Conference on Materials, Manufacturing and Design Engineering 2016, Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India, 20-21 December 2016
- ◆ —Optimization of Saddle Supports in Horizontal Pressure Vessels|| at Kokan Gyanpeeth Engineering College Karjat, in Emerging Research Trends in Applied Engineering and Technology (ICERAT–2016) on April 01-02, 2016.
- ◆ —Lean Manufacturing in Industry for increasing productivity by reducing wastell at Kokan Gyanpeeth Engineering College Karjat, in Emerging Research Trends in Applied Engineering and Technology (ICERAT–2016) on April 01-02, 2016.
- ◆ —INCREASING PRODUCTIVITY THROUGH LEAN MANUFACTURING SYSTEM IN INDUSTRIES||. Published in World Journal of Engineering Research and Technology 2017, Vol. 3, Issue 7, ISSN 2454-695X.

Name of Faculty

Mr. Jaydeep Khade

Department and DesignationProduction Engineering
Assistant Professor**Domain**

Corrosion Science

Qualification

M.Tech (Metallurgy)

About

5 Years Experience in Teaching

**Mr. Jaydeep Khade**Production Engineering
Assistant Professor**Research Paper**

National Journal	-
International Journal	03
National Conference	02
International Conference	-
Books Published	—
Patents	--
Invited as Resource Person	02
Guided PhD	-

NIL

Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Impedance model for Electro deposited Samples

Awards and Recognition

Best NSS coordinator in 2017-18

Recent Five Publications

- ◆ Electro-deposition of m-amino phenol on low carbon steel and corrosion protection studies" U.P.B. Sci. Bull., Series B, Vol. 76, Iss. 4, 2014 ISSN 1454 – 2331
- ◆ ZnO Containing Duplex Coating to Galvanized Steel for Corrosion Resistance "International Conference on Ideas, Impact and Innovation in Mechanical Engineering (ICIIME 2017) ISSN: 2321-8169 Volume: 5 Issue: 6 1363 – 1368
- ◆ Preparation of Polyphenylenesulfide (PPS)/Clay Nano Composite and Its Characterisation "International Conference on Ideas, Impact and Innovation in Mechanical Engineering (ICIIME 2017) ISSN: 2321-8169 Volume: 5 Issue: 6
- ◆ Design and development of Duplex Grinding Machine- A Case Study "International Journal of Latest Technology in Engineering Management and applied Science" ISSN No. 2278-2540 Volume VII, Issue

Name of Faculty

Mr. Sanket Bhosale

Department and DesignationProduction Engineering
Assistant Professor**Domain**

Production and manufacturing

Qualification

M.E (Mech-Prod Engg), B.E (Production)

About

4 Years of teaching experience



Mr. Sanket Bhosale
Production Engineering

Research Paper

National Journal	—
International Journal	01
National Conference	04
International Conference	—
Books Published	—
Patents	--
Invited as Resource Person	--
Guided PhD	-

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Development of operation time chart time to evaluate of production system the performance

Awards and Recognition

Awarded by best project in DYP CET on Design and manufacturing of piping fixture

Recent Five Publications

- ◆ “Implementation of six sigma methodology for connecting rod manufacturing” in International Journal of Engineering Research and Technology april 2016.
- ◆ “Optimization of crankshaft manufacturing line using TPS technique and simulation software” in national conference on manufacturing excellence through Lean green and safe practices at KITCOEK in April 2014
- ◆ “Implementation of Six Sigma methodology in Rubber manufacturing Industry” In RTPME national conference at DYPCOE in Dec 2017
- ◆ “Recent Trends in Manufacturing and Production Engineering” In RTPME national conference at DYPCOE in Dec 2017
- ◆ “Reducing Non Moving Stock & Utilization of Excess Stock” in RTPME national conference at DYPCOE in Dec 2017

Name of Faculty

Mr N. M. Mahajan

Department and DesignationProduction Engineering
Assistant Professor**Domain**

Manufacturing Engineering and

Qualification

BE (Production), M.Tech (Production)

About

11 Months Experience in Industry

4 years Experience in Teaching



Mr. N. M. Mahajan
Production Engineering
Assistant Professor

Research Paper

National Journal	—
International Journal	01
National Conference	03
International Conference	02
Books Published	—
Patents	--
Invited as Resource Person	--
Guided PhD	-

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Powder Mixed ECDM Setup

Awards and Recognition

NIL

Recent Five Publications

- ◆ “Measurement system analysis by Gauge R & R”, National Conference on Recent Trends in Manufacturing and Production Engineering (NC-RTMPE 2017), December 19-20, 2017.
- ◆ “Elimination of Extra tube percentage in coil (Case study)”, National Conference on Recent Trends in Manufacturing and Production Engineering (NC- RTMPE 2017), December 19-20, 2017.
- ◆ “Performance study of Powder Mixed Electrochemical Discharge Machining Process (PMECDM)”, World Journal of Engineering Research and Technology Vol. 4, Issue 1, Nov 2017.
- ◆ “Comparative Study of Circumferential stress induced in Pressure vessels,” International conference on Materials, Manufacturing and Design Engineering, December 20-21, 2016.
- ◆ “Experimental Investigation and analysis of Powder Mixed Electrochemical Discharge Machining Process,” All India Manufacturing

Name of Faculty

Mr Vinayak Prakash Parsekar

Department and DesignationProduction Engineering
Assistant Professor**Domain**

Manufacturing & Automation

Qualification

ME Production, B. Tech Mechanical

About4.5 years Experience in Teaching
Artificial Neural Network(ANN)

**Mr. Vinayak Prakash
Parsekar**
Production Engineering

Research Paper

National Journal	—
International Journal	01
National Conference	02
International Conference	—
Books Published	—
Patents	--
Invited as Resource Person	--
Guided PhD	-

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Model of Reciprocating Pump & Pelton Turbine

Awards and Recognition

NIL

Recent Five Publications

- ◆ “Residual Stresses induced while welding operation on the boiler production,” National Conference on Recent trends in Manufacturing & Production Engineering (NC-RTMPE 2017), December 2017.
- ◆ “Reduction in operation cycle time of D3V8 connecting rod by using VMC”, National Conference on Recent trends in Manufacturing & Production Engineering (NC-RTMPE 2017), December 2017.
- ◆ “Optimization of Material Removal Rate and Surface finish in Wire cut Electrode Discharge Machining of H-11 Steel”, FOREX-IJMER, Volume 5, Issue 3, July 2017.

Name of Faculty

Mr.Vijay J Dhembare

Department and Designation

Production Engineering
Assistant Professor

Domain

Noise, Vibration and Harshness (NVH)

Qualification

M.Tech (Mechanical Design)

About

10 Months Experience in Teaching



Mr.Vijay J Dhembare
Production Engineering
Assistant Professor

Research Paper

National Journal	---
International Journal	01
National Conference	03
International Conference	01
Books Published	---
Patents	--
Invited as Resource Person	--
Guided PhD	-

Patents (Filed / Published)

NIL

Details of Sponsored Projects

NIL

Details of Products (Developed/ Ongoing)

Design and Analysis of Disc brake for Low Brake Squeal

Awards and Recognition

NIL

Recent Five Publications

- ♦ **V.J.Dhembare** and M.B.Mandale (2016), "Disc brake squeal-A Review", Proc. Modern Era Research in Mechanical Engineering-2016, Rajarambapu institute of Technology, Rajaramnagar, Islampur, India.
- ♦ V.R.Sagar, **V.J.Dhembare**, T Mali, M A Chewale (2017), "A Review of Dry Particulate Lubrication of Journal Bearing", Proc. National conference on recent trends in Manufacturing and Production Engineering, 2017 DYPCOE, Akurdi, Pune
- ♦ **V.J.Dhembare**, M.B.Mandale and Rupesh B.Fonde, (2018), "Design and Analysis of Disc brake for Low Brake Squeal", International Journal of Latest Technology in Engineering, Management & Applied Science, Volume VII, Issue VII, July 2018, ISSN 2278-2540



DEPARTMENTAL RESEARCH ACTIVITIES





The artifact without any external support is mounted on CMM Table as shown in measuring vol-ume of CMM.

Measurement is an integral part of manufacturing. Measurement standards and calibration requirements are raised from ancient days to meet growing requirements of modern era. Measurement is attributed by form of the product and tolerance levels to be achieved



Fluid Assisted Blank holding system



Friction Drilling and Form tapping Setup:01

Developed the friction drilling and form tapping setup for radial drilling machine for composite pipe.



Friction Drilling and Form tapping Setup:02

Center of excellence Quality Engineer

Proposed Center of Excellence in Quality Engineer aims to:

- ◆ Enable collaborations between D. Y. Patil College of Engineering and leading research institutes in Quality Engineering areas to help in new or expanding areas of Quality Engineering. The Center provides an interdisciplinary environment in which academia and industry can collaborate in pursuing research in measurement science and technology development focused on emerging areas of national need.
- ◆ Enhance innovation in Metrology and Quality control through earlier alignment of measurement science with emerging and innovative fields of research. The Centers accelerate progress in critical areas of quality by enabling the best experts in technical fields and focusing them on measurement science at critical times on the innovation curve.
- ◆ Provide new opportunities for training of students and postdocs in measurement science. The Centers foster development of expertise in measurement science and its role in innovation by educating and training scientists and engineers.
- ◆ Provide greater opportunities for Faculties to engage with entrepreneurs and industry. Industry can easily and efficiently engage with the regional Centers of Excellence, increasing their competitiveness through more integrated use of measurements in their industrial processes. Further, the Centers facilitate new approaches for accelerating commercialization and transfer of innovative processes and technologies.

Training Programmes which are to be carried out under Center of Excellence in Quality Engineering:

- Six Sigma Green Belt
- Six Sigma Black Belt
- Minitab training sessions for UG and PG students and faculties
- New techniques in statistical quality control process
- Soft computing techniques in Quality control

Experts from Industry:

- Mr. Balaji Reddie (President, Deming Forum of India)
- Mr. Mangesh Ashtekar (Forbes Marshall India Pvt. Ltd.)
- Mr. A. Y. Momin (Business Development Head, Accurate Engineering)
- Mr. S. S. Shouche (Business Development Head, Renishaw Metrology Systems Pvt. Ltd.)



First Year



In the four year degree course in engineering, First Year Engineering plays important role in building the foundation of an engineering graduate. In first year students learn basics of all branches along with Physics, Chemistry & Mathematics. Sound knowledge of these subjects is im-portant for excelling in their career.

In First year engineering, we focus on the academic performance and overall development of young budding engineers. We follow certain procedures for enhancing the academic perfor-mance of the students. We conduct Class Tests on every unit, two periodical tests & one prelim ex-amination in a semester. The performance of monthly periodical tests & prelim examination is communicated to the parents. These internal tests help the students in order to excel their perfor-mance in the University Examination.

For overall development of the students we conduct various co curricular & extra curricular activities. The co curricular activities such as industrial visit, guest -lecturers & technical-competitions boost the technical- knowledge of the students. Also the various extra curricular ac-tivities such as Sport events, Debate competition, Cultural days and competitions,- etc helps in overall personality development of the student.

We have tradition of good academic results in the university examination. Our students have won prizes in various state and national level technical and sports competitions.

As far as research is concerned, science is the base of all the developing technologies where scientists develop the innovative concepts and theories and these theories are applied by the engi-neers to get the final product. In our FE department, faculties are taking initiative in research ac-tivity and also involving our students in such activities.

DR. S. K. BABAR

FE DEAN ACADEMICS



Dr. S. K. Babar
FE Dean Academics

Name of Faculty

Dr. S. K. Babar

Department and Designation

FE Dean Academics
Associate Professor

Domain

Physics-Materials Science, Energy Science, energy storage and conversion devices, Magnetic Nano-materials, Biocompatible materials etc.

Qualification

M.Sc. Ph.D.

Area of research is Biomass Microgasification. Developed two Biomass gasifier cookstoves work on the principle of Microgasification, one of natural draft and another on forced draft

About Associate Professor

Research Paper

National Journal	01
International Journal	01
National Conference	06
International Conference	02
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents Filed / Published

NIL

Details of Sponsored Projects

Title	Funding Agency	Funded Amount	Duration	Year
Miomass Microgafier -Forced draft	DST	6.82 lacs	2 years	2007-2008
Biomass Microgasi-fier- Natural draft	ISRO	4.75 lacs	2 years	2009-2011

Details of Products Developed/ Ongoing

Ongoing Research: Energy Storage and conversion devices

Awards and Recognition

Membership of Indian Society for Technical Education (ISTE)

Recent Five Publications

Name of Faculty

Mr. S. G. Yeolekar

Department and DesignationFE Dean Academics
Assistant Professor (Physics)**Domain**

Physics, Electronics

QualificationM. Sc. (Physics), FIRST CLASS
ing college**About**Having total 34 years of experience. Out of
which 17 years of Industry experience. 17
years of Teaching experience in engineer-

Dean Office

Mr. S. G. Yeolekar
Assistant Professor**Research Paper**

National Journal	—
International Journal	—
National Conference	—
International Conference	—
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	—

NIL

Sponsored Projects

NIL

Details of Products Developed/ Ongoing

- ◆ **Designed and developed —Temperature indicator & controllerll using PT-100 & Thermocouplell**
- ◆ Ongoing Research: Studies on Sensors

Awards and Recognition

- ◆ Life Member of Indian Society for Technical Education. (New Delhi) L.M.I.S.T.E. Membership No.: LM— 41881

Recent Five Publications

- ◆ NIL

Name of Faculty

Dr. Archana Chavan

Department and DesignationFE Dean Academics
Assistant Professor**Domain**

Physics- Materials Science, Nanomaterials for energy storage and conversion devices, Magnetic Nanomaterials etc.

Qualification

M.Sc. Ph.D.

About

As nanoscience is a diverse, multi-disciplined field and polymer materials for PEM fuel cell, incorporating the laws of physics, chemistry, biology,



FE Dean Academics
Dr. Archana Chavan
Assistant Professor

Research Paper

National Journal	--
International Journal	14
National Conference	09
International Conference	14
Books Published (Chapter)	01
Patents	--
Invited as Resource Person	—
Guided PhD	--

NIL

of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

- ◆ Development of anode materials for IT-SOFCs, Synthesis of nanomaterials for Na and Li ion batteries and Supercapacitors.

Awards and Recognition

- ◆ Junior Research Fellow (JRF) on BRNS funded Project
- ◆ **Senior Research Fellow (SRF) - Direct**, Council of Scientific and Industrial Research (CSIR) New Delhi.
- ◆ **Postdoctoral research fellow** at University of Johannesburg, South Africa
- ◆ **Postdoctoral research fellow** at Chonnam National University, South Korea
- ◆ **Member** of Society of Materials Chemistry (SMC), BARC
- ◆ **Journal Reviewer:** a) Micro and Nano letters
b) Materials Science and Engineering (A) and (B)
c) Ionics
d) Ceramics International etc.

Recent Five Publications

- ◆ **Archana U. Chavan**, Ji-Hye Kim, Ha-Ni Im, Sun-Ju Song, —Role of different oxide to fuel ratios in solution combustion synthesis of SnO₂ nanoparticles, **Journal of the Korean Ceramic Society, Vol. 53, No. 1, pp. 122~127, 2016.**
- ◆ D.-K. Lim, J.-H. Kim, **A. U. Chavan**, T.-R. Lee, Y.-S. Yoo, and S.-J. Song —Performance of Proton-Conducting Ceramic-Electrolyte Fuel Cell with BZCY40 electrolyte and BSCF5582 cathode, **Ceramics International, 42(3) (2016) 3776-3785.**
- ◆ Tae-Ryong Lee, Ha-Ni Im, Sang-Yun Jeon, Young-Sung Yoo, **Archana U. Chavan**, Sun-Ju Song, —Dependence of H₂O/ CO₂ co-electrolysis performance of SOEC on microstructural and thermodynamic parameters, **Journal of Electrochemical Society, 163(7)728-736, 2016.**
- ◆ Hyen-Seok Choi, Ha-Ni Im, **Archana U. Chavan**, and Sun-Ju Song, —Studies on structural, thermal and mechanical properties of aluminum nitride ceramics with CeO₂ as a sintering aid' **Ceramics International, 42,11519,2016.**



Mr. Abhijeet Vilas Dhotre

Name of Faculty

Mr. Abhijeet Vilas Dhotre

Department and Designation

FE Dean Academics
Assistant Professor

Domain

Multiferroic Materials

Qualification

M.Sc SET

About

Ready to learn new domains of work. Interested in experimental physics. Actively participating in departmental activities to uplift the institution.

Research Paper

National Journal	--
International Journal	--
National Conference	01
International Conference	02
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Ferroelectric Materials, Multiferroics, ME composites

Awards and Recognition

NIL

Recent Five Publications

NIL

Name of Faculty Dr. Pranjali J. Shinde

Department and Designation FE Dean Academics
Assistant Professor

Domain Chemistry

Qualification M.Sc. Ph.D.

About Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.



FE Dean Academics
Dr. Pr jali Shinde
Assistant Professor

Research Paper

National Journal	--
International Journal	05
National Conference	—
International Conference	01
Books Published (Chapter)	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents Filed / Published

NIL

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Lipid Science

Awards and Recognition

NIL

Recent Five Publications

- ◆ **Pranjali Shinde and Shelly Gupta. (April 2015) —Comparative study of oxidative degradation of selected vegetable oils during deep frying**|| IJLTEMAS - International Journal Of Latest Technology In Engineering, Management & Applied Science, Volume IV, Issue IV, pg. 21-24, ISSN 2278 - 2540
- ◆ **Pranjali Shinde and Shelly Gupta. (February 2016) —Effect of frying on chemical properties of commonly used edible oils:A comparative study**|| IJSR - International Journal Of Scientific Research, Volume 5, Issue 2, pg. 265-267,ISSN No 2277 – 8179
- ◆ **Pranjali Shinde and Shelly Gupta. (January 2017) —A comparative study of autoxidation of vegetable oil due to repeated deep frying**|| IJARSE - International Journal of Advance Research in Science and Engineering, Vol. No. 6, Issue No. 01, pg. 533-542.ISSN No. (O) 2319-8354, ISSN No. (P) 2319-8346.
- ◆ **Pranjali Shinde and Shelly Gupta. (May 2017) —Thermal degradation of fatty acids during repeatedly frying of vegetable oil: A survey review**|| PIJR- Paripex-Indian Journal of Research, Vol.No. 6, Issue- 5, pg. 278-281, ISSN-2250-1991,IF:5.761, IC nalue:79.96
- ◆ **Shelly Gupta and Pranjali Shind (May 2015) —Integrating Learning Technology into classroom: The importance of teacher’s perceptions**|| International Conference on application of advanced technology for enhance quality of science education. Organized by Modern college of art, commerce and science, Pune.



Mrs. DeepaliDeanOfficeS.Dubal
Assistant Professor

Name of Faculty

Mrs. Deepali S. Dubal

Department and Designation

FE Dean Academics
Assistant Professor

Domain

Engineering Chemistry

Qualification

M.Sc. (Organic Chemistry), SET, MS-CIT

Creative, resourceful teacher with proven
ability to enhance students' performance.

Research Paper

National Journal	--
International Journal	--
National Conference	--
International Conference	--
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research : Synthesis of Diamino benzidine and its analog.

Awards and Recognition

NIL

Recent Five Publications

NIL

Name of Faculty

Mr. Santosh Damkondwar

Department and DesignationFE Dean Academics
Assistant Professor**Domain**

Engineering Chemistry

QualificationM.Sc. (Organic Chemistry), NET, GATE,
MS-CIT
creates interest in the students.**About**I would like to devise captivating, fascin-
ing, and unique practices of teaching that**Mr. Santosh**
Dean Office
Damkondwar

Assistant Professor

Research Paper

National Journal	--
International Journal	--
National Conference	--
International Conference	--
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

NIL

Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Synthesis, Characterization and Applications of Heterocyclic Compounds

Awards and Recognition

NIL

Recent Five Publications

NIL



Mr. Ramesh D. Sul
Assistant Professor

Name of Faculty

Mr. Ramesh D. Sul

Department and Designation

FE Dean Academics
Assistant Professor

Domain

Engineering Chemistry

Qualification

M.Sc. (Organic Chemistry), NET, MS-CIT

Possess a positive and effective teaching style with the willingness to work above and beyond the call of duty.

Research Paper

National Journal	--
International Journal	--
National Conference	--
International Conference	02
Books Published	--
Patents	--
Invited as Resource Person	--
Guided PhD	--

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Synthesis of Nanomaterials for the application of photo catalysts

Awards and Recognition

NIL

Recent Five Publications

NIL

Name of Faculty

Dr. M.S. Kaulgi

Department and DesignationFE Dean Academics
Associate Professor**Domain**

Fluid Mechanics, Numerical Analysis, Hydrodynamics etc

Qualification

M.Sc. Ph.D.

About

Having total 34 years of experience of Teaching expe-

FE Dean Academics
Dr. M.S. KaulgiAssociate Professor
Research Paper

National Journal	02
International Journal	02
National Conference	08
International Conference	06
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

NIL

Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Fluid Mechanics

Awards and Recognition

- ◆ Life member of Indian Society for Technical Education.
- ◆ Life member of Institute of Applicable and Industrial mathematical sci-

Recent Five Publications



Mrs. Mathematics Jyoti Pandhare

Name of Faculty

Jyoti Jaywant Pandhare

Department and Designation

FE Dean Academics
Assistant Professor

Domain

Mathematics

Qualification

M.Sc. Mathematics

About Assistant Professor

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	—
National Conference	—
International Conference	—
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Graph Theory

Awards and Recognition

NIL

Recent Five Publications



Mr. Narendra Bhausaheb Sarbande
Assistant Professor

Name of Faculty

Mr.Narendra Bhausaheb Sarbande

Department and Designation

FE Dean Academics
Assistant Professor

Domain

Engineering Mathematics

Qualification

M.Sc (Mathematics)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	00
National Conference	00
International Conference	00
Books Published	00
Patents	--
Invited as Resource Person	00
Guided PhD	--

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Abstract Algebra

Awards and Recognition

NIL

Recent Five Publications

NIL

Name of Faculty

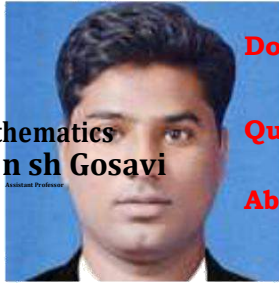
Mr. Ganesh Vishnu Gosavi

Department and DesignationFE Dean Academics
Assistant Professor**Domain**

Mathematics

Qualification

M.Sc. Mathematics

Aboutgrowing organization.
Is interested in challenging career that gives better exposure to my skills and abil-

Mathematics
Mr. Ganesh Gosavi
Assistant Professor

Research Paper

National Journal	--
International Journal	—
National Conference	—
International Conference	—
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Complex Analysis

Awards and Recognition

NIL

Recent Five Publications



Ms. Pooja Dean Academics Khatkale

Assistant Professor

Name of Faculty

Ms. Pooja Khatkale

Department and Designation

FE Dean Academics

Assistant Professor

Domain

Engineering Mathematics

Qualification

M.Sc. (Mathematics)

[About](#)

My self Motivated and organized Mathematics professor driven to inspire students to pursue academic and personal excellence .

Research Paper

National Journal	0
International Journal	0
National Conference	0
International Conference	0
Books Published	0
Patents	0
Invited as Resource Person	0
Guided PhD	0

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Linear Algebra

Awards and Recognition

NIL

Recent Five Publications

NIL



Mrs. Vrushali Sushant Patil

Assistant Professor

Name of Faculty

Mrs. Vrushali Sushant Patil

Department and Designation

FE Dean Academics

Assistant Professor

Domain

Engineering Mathematics

Qualification

M.Sc. (Mathematics)

[About](#)

My self Motivated and organized Mathematics professor driven to inspire students to pursue academic and personal excellence .

Research Paper

National Journal	0
International Journal	0
National Conference	0
International Conference	0
Books Published	0
Patents	0
Invited as Resource Person	0
Guided PhD	0

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Linear Algebra

Awards and Recognition

NIL

Recent Five Publications

- ◆ Vision and Action for Professionally Developing of Teacher Educator Volume 4, Issue 12, December-2017

Name of Faculty

Mr D. A Bhagwat

Department and DesignationFE Dean Academics
(Electrical Section)

Assistant Professor

Electrical Engineering

Domain**Assistant Professor**

Mr D. Bhagwat

Qualification

ities and to be part of a challenging and gives better exposure to my skills and abil-

growing organization.

Research Paper

National Journal	--
International Journal	—
National Conference	—
International Conference	—
Books Published	07
Patents	—
Invited as Resource Person	03
Guided PhD	—

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Energy Conservation

Awards and Recognition

Nil

Recent Five Publications

Nil.

Name of Faculty

Mrs K.A. Desai

Department and DesignationFE Dean Academics
(Electrical Section)

Assistant Professor

Domain

Electrical Power System

Qualificationities and to be part of a challenging and
B.E(ELEC), M.Tech (Power System)**About**Is interested in challenging career that
gives better exposure to my skills and abil-

growing organization.

Assistant Professor**Mrs Komal De ai****Research Paper**

National Journal	--
International Journal	—
National Conference	—
International Conference	—
Books Published	—
Patents	—
Invited as	
Resource Person	—
Guided PhD	—

NIL

of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Power Systems, Energy conversion devices

Awards and Recognition

Nil

Recent Five Publications

Nil.



Ms. Hnnie Williams

Name of Faculty

Ms. Hnnie Williams

Department and Designation

FE Dean Academics (Electrical Section)
Assistant Professor

Domain

Basic Electrical Engineering

Qualification

B.E.(EE), M.E.(EE)

About

Assistant Professor

To establish myself in the field of education, to utilize my skills and experience to help students to grow in academics sphere and professional life.

Research Paper

National Journal	--
International Journal	-
National Conference	-
International Conference	-
Books Published	-
Patents	--
Invited as Resource Person	-
Guided PhD	--

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

NIL

Awards and Recognition

NIL

Recent Five Publications

NIL

Name of Faculty

Mr. P. K. Gore

Department and DesignationFE Dean Academics
(Electrical Section)

Assistant Professor

DomainHeavy Electrical Engineering
ities and to be part of a challenging and
B.E(ELEC), M.Tech (HEE), BOE
growing organization.**Qualification**Is interested in challenging career that
gives better exposure to my skills and abil-**About**

Dean Academics

Mr. P. K. Gore

Assistant Professor

**Research Paper**

National Journal	--
International Journal	1
National Conference	
International Conference	2
Books Published	—
Patents	—
Invited as	
Resource Person	—
Guided PhD	—

NIL

Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Electrical Power Systems

Awards and Recognition

- ◆ Member of Protection committee of Western Regional Electricity Board from 1991 to 1995.
- ◆ Member of Relay Coordination Sub-committee of Western Regional Electricity Board from 1992-1996.
- ◆ Awarded meritorious certificate for the outstanding work in the 400 KV system by MPEB.
- ◆ Member of inspection committee of the MPSEB for inspection/ testing of

Recent Five Publications

- ◆ — **Restoration of 250 MVA failed Generator Transformer at sitell Vol 64** April-June 2007 of Water and Energy International published by central board of Irriation & power, New Delhi.
- ◆ —**Energy conservation in thermal power plantll in the technical Journal** of Institutions of Engineers (India), Nov-2016.
- ◆ — **Failure due to poor termination & loose connections in Electrical Systemsll Vol 61 April2018** of Water and Energy International published by central board of Irriation & power, New Delhi. ISSN :0974-4711.



Mrs. Assistant Professor De Thakurai

Name of Faculty

Mrs Vaishali Thakur

Department and Designation

FE Dean Academics
(Electrical Section)

Assistant Professor

Power Electronics

Domain

B.E(ELEC), M.E. (Power Electronics)

Qualification

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	—
National Conference	—
International Conference	—
Books Published	—
Patents	—
Invited as Resource Person	—
Guided PhD	—

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Power Electronics

Awards and Recognition

NIL

Recent Five Publications

NIL



Miss. Ashwini Abhale
Assistant Professor

Name of Faculty

Miss. Amita Mane

Department and Designation

FE Dean Academics
(Electrical Engineering Section)

Domain

Electrical Power System

Qualification

B.E(Electrical), M.E.(Electrical Power System)

About

Is interested in challenging career that gives better exposure to my skills and abilities and to be part of a challenging and growing organization.

Research Paper

National Journal	--
International Journal	01
National Conference	01
International Conference	02
Books Published	—
Patents	--
Invited as Resource Person	—
Guided PhD	--

Patents Filed / Published

NIL

Details of Sponsored Projects

NIL

Details of Products Developed/ Ongoing

Ongoing Research: Electrical Power Systems

Awards and Recognition

NIL

Recent Five Publications

- ◆ **—Load compensation by using a DSTATCOM for a Non-stiff source** IEEE International Conference on Computer, Communication and Control (IC4 - 2015) Melmaruvathur, Tamilnadu.
- ◆ **—Load compensation by using a DSTATCOM for a Non-stiff source with Reduced DC link voltage** 2015 International conference on computation of power, energy and communication Indore, Madhya Pradesh.
- ◆ **—A review on power quality issues and solutions** Conclave, Conference and Innovation Competition Indian Institute of Technology (IIT), Delhi
- ◆ **—Impact of grid connected PV system on Distribution network: A Review** International Journal of Recent Trends in Engineering & Research-2017 ISSN 2455 – 1457, Impact Factor: 4.101

Research activity photographs



Photograph of Microgasifier



Activity by Electrical Engineering section

**“WE CAN NOT SOLVE OUR PROBLEMS
WITH THE SAME THINKING
WE USED THEM WHEN WE CREATE THEM”**

- Albert Einstein



Address:

D. Y. Patil College of Engineering, Akurdi

D. Y. Patil Educational Complex, Sector 29, Nigdi Pradhikaran, Akurdi, Pune, 411044

E-mail : info@dypcoeakurdi.ac.in | Website : www.dypcoeakurdi.ac.in

Contact : +91-20-27653058 | Fax : +91-20-27653057