

COLLEGE OF ENGINEERING

AHMEDNAGAR



- Accredited by National Assessment & Accreditation Council (NAAC), Bangalore
- Approved by all India Council for Technical Education (AICTE), New Delhi
- Approved by Govt. of Maharashtra
- Affiliated to Savitribai Phule Pune University, Pune



Our Source of *Inspiration and Motivation*



DR. VITHALRAO VIKHE PATIL
(Padmashri Awardee)

A Legendary in the history of co-operative enterprises in the country, and humble farmer by birth, pioneered co-operative movement as a tool of social, educational and economic upliftment of the rural masses. His untiring efforts changed rural scene of Maharashtra and created awareness amongst the people to lead for prospective purposeful life. He was awarded Padmashri, the distinguished title in appreciation of his life time work with co-oprative movement at the hands of First President of India, Late Dr. Rajendra Prasad in 1961. He was facilitated with the honorary D.Lit. degree by Savitribai Phule Pune University in 1978 and Doctor of Science in 1979 by Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra. Dr. Vithalrao Vikhe Patil, the pioneer of sugar Co-operative movement, who had a humble beginning, was chiefly instrumental in organizing the much exploited sugarcane growers in and around Pravaranagar, way back in 1948, and establishing Asia's first co-operative sugar factory which was commissioned in 1950. Born in a farmer's family at Loni in 1901, he was destroyed by the pitiable plight of the poor, the illiterate and the downtrodden peasantry who were exploited by the money-lendery feudal lords, and private sugar factory owners. In those days the local peasantry of Pravara area had to face difficulties in marketing of sugarcane, as conversion of sugarcane into sugar was totally uneconomical and the jaggery prices reached the rock bottom. Towards the fulfillment of the vision of the great son of the soil, educational institutions were set up in Ahmednagar, Pune and Nashik districts. Dr. Vithalrao Vikhe Patil Foundation is one of such educational trust established at Ahmednagar and Pravara Rural Education Society was established at Loni. His legacy is ably continued by subsequent led by his illustrious son Shri. Balasaheb Vikhe Patil, his grandson shri. Radhakrishna Vikhe Patil, his great grandson Dr. Sujay Vikhe Patil.



[Signature]

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College of Engineering
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Our Source of *Inspiration*

*A trail bazar and torch bearer,
A veteran of many political battles,
A crusader of farmer's empowerment,*

*The guiding light of Pravara,
An architect of Pravara Educational Hub,
Pravara's conscience keeper and voice,
We salute him and pay our tributes.*



Hon'ble Late Dr. Balasaheb Vikhe Patil
(Padmabhushan Awardee)

V. Patil
PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Motivation

(From our guiding light)




Dear parents and Prospective students,

I feel very much Proud to congratulate all students for choosing engineering as their profession and I extend warm Welcome to all the students in the campus of Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar, Which is having its undergraduate courses accredited by National board of Accreditation (NBA), New Delhi & Accredited by National Assessment & Accreditation Council (NAAC) Bangalore for its outstanding performance in the field of technical education and Post Graduate Courses in Civil Engineering & Mechanical Engineering. Choosing a College in one of the most important decisions that you will ever make which can be the key that opens the door to a lifetime of opportunities for growth and service. You have taken a right decision by choosing our institute for pursuing engineering career. How well it turns out for you will depend primarily on the efforts you invest in your own intellectual and professional development during your studies in this institution. Invest wisely and be assured that Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar faculty and staff pledge their best efforts in helping you to attain your educational goals.

As you pursue your studies, please remember that a college education is not entirely academic. It extends beyond the classrooms, laboratories and workshops to seminars and conferences, cultural and social activities and athletics events. I hope that you will become involved in Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar Campus life and that you will also make some commitment to serve the community. Besides being a cause for campus and community development, the efforts can be educationally rewarding and personally fulfilling.

I hope that you will take pride in your college. Member of our faculty are known for their academic achievements, teaching abilities and devotion to duty. Our standards are challenging and we are dedicated to help you to meet those standards. We will judge our success as institution by how well you succeed in realizing your potential as student and in your later professional career.

I wish you all a bright future.


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Hon'ble Shri. Radhakrishna Vikhe Patil
Former Minister for Housing Development
Government of Maharashtra
Chairman, D V V P F, Ahmednagar

Message from CEO




Dear parents and prospective students,

I take this opportunity to congratulate you for choosing engineering as a career and welcome you to Dr. Vithalrao Vikhe Patil Foundation's Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar, having its undergraduate courses accredited by National Board of Accreditation (NBA) New Delhi, & Accredited by National Assessment & Accreditation Council (NAAC) Bangalore for its outstanding achievements in academic, R & D Activities and good infrastructural facilities. The Institution is known to be "a college with a difference" with distinct identity amongst the Engineering College in the State of Maharashtra. The Main objective of the college is to cater the holistic and total development of students by providing them ample opportunities for their academic, physical, mental, cultural, social, spiritual and moral enrichment.

Situated in a scenic and picturesque location, the campus provides an environment conducive to learning and achieving the academic and professional aspirations of the students. facilities as provided to promote every talent and innovation in students. Innovations and performance have become the survival strategies in the present techno-economic scenario marked by fierce competition. The recruiters of engineering graduates expect some special skills and attributes in their prospective employees in order to compete in the global business environment. To meet these challenges, engineering graduates need to possess both hard and soft skills. The Emphasis on developing positive thinking and good communication skills together provides the needed self-confidence and motivation for securing a good job and performing well in career.

You are going to stay in a caring, inspiring, and disciplined campus with well equipped laboratories and workshops, comfortable hostels, state of the art library and computer centers in all department of the institute in addition to central computer laboratory with necessary softwares and a team of dedicated and well qualified faculty members. We are committed to serve you with dedication. We provide an education that works and allow us to be a part of your future. I wish you a memorable and fruitful stay during course period in our institute. I welcome feedback from students and their parents to maintain and enhance the quality of technical education in our institute.


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Dr. Sujay Vikhe Patil M.ch. (Neurosurgery)
M.P. Government of India
Chief Executive Officer, D V V P F Ahmednagar

Message From Principal



Dear Students,

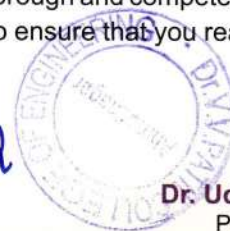
At the outset let me take this opportunity to compliment you for the wise decision of joining one of the noblest profession, Engineering. You are entering a career which will help you in taking major role in the nation building. There are four exciting years lying ahead of you during which you will be put through one of the most interesting and informative course which will make you fit to face the challenges of the outside world. We will mould you to a technically sound professional and competent Engineer.

With this aim in mind we have created excellent facilities to train you in all aspects of your chosen discipline. The teaching-learning process ensures that it retains its theoretical depth and practical vibrancy. You will have all the state of the art equipments so that you are ahead and right in the forefront. It shall be our endeavor to impart the best of quality education to the aspirants of this profession. To achieve this we have well qualified team of faculties, state of the art equipments and all amenities to create an academic atmosphere where the students are inspired to achieve excellence. You will be encouraged to participate in technical seminars, project exhibitions and various competitions. Students also get ample opportunities to interact with industry leaders. Involvement and commitment are the two benchmarks identified in the college that drive the students to greater learning.

The college not only provides ample opportunities to grow academically but also helps to develop extra-curricular qualities in sports, games, cultural activities and many more. As you march through academic curriculum you will come to know that Dr. Vithalrao Vikhe Patil Foundation, under whose patronage this college is functioning, is producing graduate engineers, skilled manpower, consistently from last three decades which is a considerable contribution towards Human Resource Development of the nation.

We expect you to work hard and study throughout the course. Do not restrict yourself to the theoretical studies only but give equal importance to laboratory and field-work to gain practical knowledge. We will ensure that your hard work and desire is rewarded with success. You shall emerge as a thorough and competent professional at the end of this enjoyable journey. You will be correctly guided at every step to ensure that you reach your ultimate destination, which is complete success.

Wish you all the best and success in all your endeavors.



Dr. Uday P. Naik
Principal



Lt. Gen. Dr. B. Sadananda

AVSM, VSM
MBBS MD (Med), MD (CH), DHA NDC
Secretary General




Dr. P.M. Gaikwad

M. Pharm, Ph. D.
Director Technical



Prof. S. K. Kalhapure

Deputy Director


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VISION : To empower the students for academic, professional and social, enrichment through excellent technical education and promote lifelong learning to serve the nation.

MISSION :

MI 1: To impart quality technical education in the domain knowledge with state-of-The-Art infrastructural facilities.

MI 2: To establish Industry-Institute relationship to abreast with modern technology to inculcate research attitude and lifelong learning

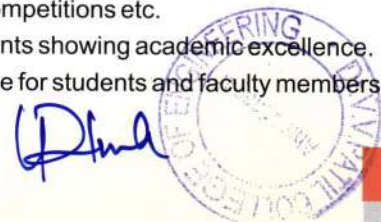
MI 3: To prepare graduates with strong managerial and communication skills with strong Professional ethics and values along with understanding of societal, cultural and environmental issues

ABOUT THE INSTITUTE : Dr. Vithalrao Vikhe Patil Foundation's, Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar is one of the oldest and venerated engineering college in Ahmednagar district in Maharashtra. The Institution is affiliated to University of Pune offering various Undergraduate (UG) and Postgraduate (PG) courses. It was established in the year 1983. It has completed 35 years of academic excellence since its inception. This institution has grown many folds and has acquired a leading position in technical education. It is situated at Vadgaon Gupta (Vilad Ghat) Ahmednagar, in the neighborhood of Maharashtra Industrial Development Corporation (M.I.D.C.) area, having an advantage of excellent industry-institute interaction for benefit of our students. It is recognized by the All India Council for Technical Education (AICTE) of the Govt. of India and recognized by Government of Maharashtra. This institution is a

recipient of Accreditation status from National Board of Accreditation(NBA), New Delhi. This Institute does not limit itself to being technically extravagant but also it is culturally diversified. The campus is buzzing with activities all through the year, which provides opportunities to students to showcase their talent and prove their mettle in various genres. In a way, the Institute not only shapes the career of its students but also makes them fit to face the real world challenges that are posed in the society. The best part in the Institute has been the teacher-student partnership in achieving the mission and goals. The student engross themselves enthusiastically and actively in the teaching-learning process and research work and gain knowledge before they venture into the professional world. this facilities all round growth of students.

PROMOTIONAL ACTIVITIES - Following activities are promoted & encouraged by the institute by providing financial assistance.

- Earn & learn scheme for economically backward students.
- Research activities & projects by students and faculty.
- Participation of students in competitions, workshops, conference etc at other institutes.
- Industrial study visits for students & faculty.
- Co-curricular & extra-curricular activities like seminar, conference, workshop, expert lectures, student paper presentation competitions etc.
- Prizes for students showing academic excellence.
- Group insurance for students and faculty members.



COURSES OFFERED :

Following Undergraduate (UG), Postgraduate (PG) and Research (Ph.D.) courses are offered by the institute with state of the art laboratories and teaching methodologies.

Course	Student Intake	DTE Code
Undergraduate Course		
Civil Engineering	60	516119110
Mechanical Engineering	120	516161210
Electronics & Telecommunication Engineering	60	516037210
Electrical Engineering	60	516129310
Information Technology	60	516124610
Postgraduate Courses		
Civil - Structural Engineering	24	516121210
Mechanical - Design Engineering	24	516160110
Research (Ph.D) Mechanical Engineering	16	516121210

* All above courses are Accredited by NAAC

ELIGIBILITY FOR ADMISSION

(A) First Year Engineering (F.E.)

For Maharashtra & Outside Maharashtra Candidates Candidate must be an Indian National and must have passed the H.S.C. (Std.XII) or its equivalent examination with Physics, Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical Vocational subjects

AND

Obtained at least 45 % marks (at least 40 % marks in case of backward class categories & persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together.

OR

Passed Diploma in Engineering and Technology and obtained at least 45 % marks (at least 40 % marks, in case of backward class categories and Person with disability candidates belonging to Maharashtra State only

OR

Passed B.Sc Degree from a Recognized University as defined by UGC and obtained at least 45 % Marks (at least 40 % Marks incase of backward class categories and Persons with Disability candidates belonging to Maharashtra State Only);

OR

Obtained score in MHT-CET 2020 or JEE Main Paper conducted by the Competent Authority.

B) For Post Graduate Course (P.G.) *

Candidate must have passed a Bachelors Degree or Equivalent in the relevant field of Engineering / Technology from an AICTE / MHRD approved institution, with at least 45% aggregate marks (40% in case of

Candidates of backward class categories & person with disability belonging to Maharashtra only).

And

Candidate should have qualified in GATE exam with a nonzero score. Candidates Who are appearing for their final examination also eligible provided they fulfil criteria during the admission

* For more details and update about the Eligibility For Admission in FE Direct Second Year & PG Courses in Engineering Please Refer

<http://www.mahacet.org>

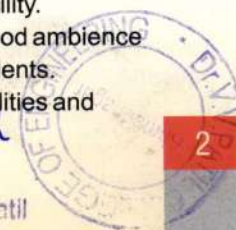
FEE : Fee structure will be as Prescribed by Shikshan Shulk samiti Government of Maharashtra. Scholarships and concession in fees for meritorious students are provided by the Government of Maharashtra / institute as per rules.

UNIQUE FEATURES OF INSTITUTE: Four of the undergraduate courses in our institute are accredited by National Board of Accreditation (NBA), New Delhi for excellent teaching-learning environment with well equipped laboratories and dedicated, qualified and experienced faculty. Some of the unique features of the institute which are widely appreciated by all the stakeholders are :

- Central & Departmental Computer laboratories with PCs of latest configuration with essential software.
- 32 Mbps Lease line for Internet facility.
- Classrooms & laboratories with good ambience and technical staff to help the students.
- Gymkhana with indoor games facilities and playgrounds.

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- Two Hostels for boys and One girls hostel with internet connectivity, solar water heaters, mess and reading Hall.
- Well equipped library with sufficient number of titles and volumes of reference books and journals provided with Air Conditioned reading Hall.
- Ample Transportation facility to campus.
- Two Canteens to cater the needs of students.
- Availability of Bank and ATM facility in the campus.
- Financial support for students and faculty for organization/ Participation in various events.
- Training programmes for students by Training and Placement cell.
- Good institute - industry relationship for promotion of placement and training of students.
- Encouragement for students for co-curricular and extra-curricular activities.

CENTRAL LIBRARY : Central Library occupies a place of pride in the institute campus and is an essential component of the institute's outstanding teaching learning environment, research and education mission. It is a most lively place in the campus providing a safe, comfortable and friendly environment that enables learning and advancement of knowledge. The mission of the Central Library is to facilitate creation of new knowledge through acquisition, organization and dissemination of knowledge resources and providing for value added services. It is fully computerized with 17512 titles and 37322 books and has subscription to national & international technical e-journals & magazines. Digital library facility is provided to the students and staff for online access to e-books, e-journals etc. Air conditioned reading room facility is made available for students round the clock. Book bank scheme is also available for economically backward students.

HOSTELS : To facilities stay of student in campus the institute has boy's hostel to accommodate 456 boys and one girl's hostel to accommodate 480 girls student. Mess, recreational facilities, solar water heaters are provided in all the hostels. All rooms in hostel have generator back-up and wi-fi internet facility.

Boy's Hostel - A



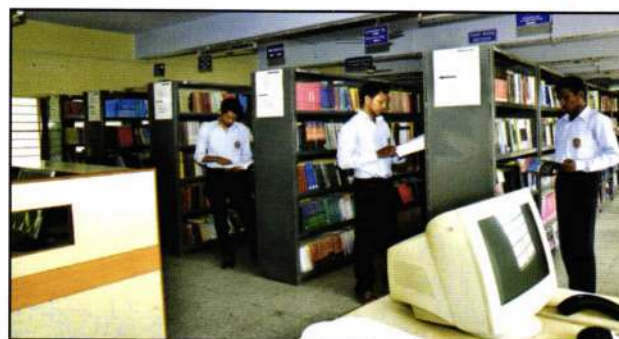
Girl's Hostel - Kaveri



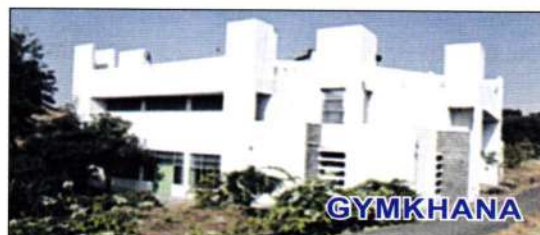
Boy's Hostel - B



GYMKHANA & SPORTS FACILITIES : The institute has playgrounds for Cricket, football, volley ball and basket ball. A well furnished gymkhana Cricket, football, volley ball and basket ball. A well furnished gymkhana hall to hold indoor games is also made available in the institute campus. Various Sports activities at District Level, State Level & National Level are promoted by the institute for overall development of the students. Well furnished Gymnasium with modern equipments are made available.



COMPUTING FACILITIES : All departments have separate computer laboratories with PCs of latest configuration equipped with software to support the curriculum and research by faculty and students. In addition the institute has a central computing facility for various training programs conducted for the students & faculty. Relevant software, are made available in all the laboratories. 32 Mbps lease line is available for internet connection to all department labs. The institute premises also have Wi-Fi connectivity.



GYMKHANA

Dr. Vithalrao Vikhe Patil

TRAINING & PLACEMENT CELL : The institute has separate Training and Placement cell. The institute being in the proximity of MIDC, Ahmednagar has developed an excellent industry institute interaction which helps in placement of students. Training and placement cell also organizes various personality development programmes by inviting professionals from industries & corporate houses.



Training & Placement officer Prof. S. C. Karwande

MOU'S Done in 2019-20

Sr. No	Name of the Department	Name of the Company
1	Civil Engineering	Triumph Technocrat, Ahmednagar
2	Electronics & Telecommunication Engineering	Heatcon Systems, Ahmednagar
3	Electronics & Telecommunication Engineering	BIPIN Engineers Pvt. Ltd. (BIPSUN), Pune
4	Electronics & Telecommunication Engineering	Mega Fiber Pvt. Ltd. (Yashela Composites Division), Pune
5	Electronics & Telecommunication Engineering	Avishko Instrumentation, Ahmednagar
6	Electronics & Telecommunication Engineering	Synapse Systems, Pune
7	Civil Engineering	Classic Associates, Ahmednagar
8	Mechanical Engineering	Auto & Engineering Association(Autocluster), Ahmednagar
9	Civil Engineering	Matrix Structures, Pune
10	Mechanical Engineering	Kongo Educational Services Pvt. Ltd. Mumbai
11	Civil Engineering	108 Consultants , Mumbai
12	Civil Engineering	Space Developers, Ahmednagar
13	Electronics & Telecommunication Engineering	Varad Automations And Robotics Pvt. Ltd., Pune
14	Electronics & Telecommunication Engineering	Infinity Automation Systems Pvt. Ltd, Pune
15	Civil Engineering	Devendra Potadar and Associates, Ahmednagar
16	Civil Engineering	Ajay Dagade Associates, Ahmednagar
17	Civil Engineering	Civil Structural design consultants Recruitment consultants, Mumbai



Campus Interview conducted by Vibrant Minds & Techrel pune for the final year student IT E&TC & Electrical Engineering Department



E&Tc Students placed in Infosys and CMS IT Services Pune.



Campus interview by alumnus Mr. Onkar Kalwade


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ANTI - RAGGING MEASURES

Ragging in any form is strictly prohibited in the constituent parts of the institute campus. The institute campus is ragging free due to presence of an effective monitoring system in the campus.

DEFINITION OF RAGGING

Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, indulging in rowdy or undisciplined activities, asking any student to do any act, any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher, exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students, any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students.

WARNING
Ragging is a CRIME



PUNISHMENTS FOR ACT OF RAGGING :

Depending upon the nature and gravity of the offence as established the possible punishments for those found guilty of ragging at the institution level shall be any one or any combination of the following:-

- Cancellation of admission
- Suspension from attending classes
- Withholding/withdrawing scholarship/fellowship and other benefits
- Debarring from appearing in any test/examination or other evaluation process
- Withholding results
- Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.
- Suspension/expulsion from the hostel
- Rustication from the institution for period ranging from 1 to 4 semesters
- Expulsion from the institution and consequent debarring from admission to any other institution.

MEASURES UNDERTAKEN BY THE INSTITUTE

The institute is having effective Anti-ragging committee and Anti-Ragging squad. Anti-ragging instructions are notified through display boards at various locations in the campus with the phone numbers of anti-ragging committee members. In connection to any ragging incident students can contact Prof. P.B. Autade (9960871455). Women grievances and redressal cell looks after the discipline and safety of female faculty members and girls students in the institute premises and hostels. In the event of any emergency untoward incidents contact Prof. Mrs. S. S. Magar, Incharge of the cell (9689041883). Reservation grievances Committee looks after the issues related to Reservation of students & Staff by Prof. S. J. Halnor (9860756322).



FACULTY ACHIEVEMENTS:

- Dr D A Vidhate, HoD IT has received International Education Award 2020 for Education Excellence in Information Technology by TIME Cybermedia Pvt Ltd New Delhi and News10 India in December 2020.
- Dr. Anita K. Patil received Engineering Achievement Award by Institution of Engineers (India), Ahmednagar Local Centre, 16th Sept. 2020.
- Prof. Ms. S.S. Pophale has received an award as "Lady Engineer" from The Institution of Engineers (India) Ahmednagar Local Centre on the occasion of Engineers' Day on 15th September 2019.
- Dr. M. P. Wagh has been successfully completed BCUD research work on the topic "Treatment of Distillery Spent Wash Using Electro Coagulation by Al/ Fe Electrodes and Chitosan Granules". For this research work, he received a research grant of Rs-1,90,000/-.
- Dr. V.G. Kale received Engineering Achievement Award by Institution of Engineers (India), Ahmednagar Local Centre, 16th Sept. 2020.
- Prof. A.R. Laware completed his PhD in Electrical Engineering (Topic-Parametric Analysis and its Optimization for Process Plant based on Sliding Mode Control Strategies)

- Dr. M. P. Wagh wrote the book Bioremediation of recalcitrant effluent published by Lambert Academic Publishing. ISBNNo- 978-620-2-66652-7.
- Prof. N.M. Deshpande published books "Electronics Devices- A simplified approach", and "Iris Recognition System- An Approach based on Log-Gabor Filter" International Book Market Service Ltd, Member of Omni Scriptum Publishing Group, Beau Bassin- 71504, Mauritius, ISBN No. 978-620-0-26189-2, May 2020
- Dr. Anita K. Patil worked as reviewer in International Conference VISHWACON 2020, VIIT Pune.
- Dr. M. P. Wagh contributed as a resource person for Building Technology and Architectural Planning on 22nd June 2020. Organized by Sinhgad College of Engineering Pune in association with BOS Civil Engineering, Savitribai Phule Pune University.
- Dr. M. P. Wagh chairing the session for 3rd International Conference on 'Advanced Technologies for Societal Applications Springer Conference organized by SEVRI's college of Engineering Pandharpur on 11 & 12th Dec 2020.
- Dr. M. P. Wagh is a reviewer of Indian Chemical Engineer journal and International Journal of Environmental Analytical Chemistry, Taylor, and Francis Journal. SCI-E, Scopus.

STUDENT'S ACHIEVEMENTS



1st prize for Best Endurance and 3rd rank for all over India and 2nd in Maharashtra for team Mechtra in Electric Bike Racing Challenge (5.0) organized by AMT Moto Corp. in association with O.P. Jindal University Raigarh, Chhattisgarh, 13th -16th January 2020.

Manasi Palve & Anushka Joshi (T.E.I.T.) won Second Prize in Technical Paper Presentation Competition for students on the theme "Engineering for Change" organized by The Institution of Engineers (India), Ahmednagar Local Centre on the occasion of Engineers' Day on 15th September 2019.

CIVIL GATE-2020


QUALIFIED STUDENTS



PUSHPAK GOEL



ATUL SHINDE


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DEPARTMENT OF CIVIL ENGINEERING

- **VISION** – To impart quality technical education to prepare competent and ethically strong civil Engineers with contemporary knowledge and managerial skill to serve the society at large.
- **MISSION** -
- **M1** - To develop civil engineering graduates for planning, design and execution of economy based eco-friendly projects for sustainable development of the society.
- **M2** - To inspire Student and inculcate a sense of competitiveness for higher studies, research and entre-preneurship in the fields of civil engineering.
- **M3** - To ingrain in students professionalism towards

engineering having ethical, social and human values.

Program Educational Objectives (PEOs)

- **PEO 1-** The Graduate will be capable to identify, solutions for civil engineering problems for infrastructural growth of the nation.
- **PEO 2-** The Graduate will contribute towards sustainable development through higher studies, research and entrepreneurship in the field of civil engineering.
- **PEO 3-** The Graduate will exhibit professional ethics and Practices along with environmental issues.
- **PEO 4-** The Graduate will demonstrate leadership qualities and work in team for the society.

Name of Faculty	Qualification	Name of Faculty	Qualification
Dr. U.R. Kawade (HOD)	M.E Civil (Structures) Ph.D(Civil)	Prof. P. A. Salunkhe	M.E Civil (Structures)
Dr. S. L. Hake	M.E Civil (Cons.Man.) Ph.D (Civil)	Prof. A.A. Waghmare	M.E Civil (Structures) Ph.D*
Dr. M.P. Wagh	M.E.Civil (Env.Engg.) Ph.D (Civil)	Prof. V. A. Yeole	B.E.Civil
Dr. A.J. Shirke	M.Sc. (Geology) Ph.D	Prof. A. H. Shirke	M.E Civil (Structures) Ph.D*
Prof. V. R. KulKarni	M.E.Civil (Env.Engg)	Prof. D. S. Patare	M.E Civil (Structures)
Prof. S.N.Daule	M.E Civil (Structures)	Prof. S. L. Asava	M.E.Civil (Evn.Engg.) Ph.D*
Prof. P. B. Autade	M.E Civil (Structures) Ph.D*	Prof. N. M.Mulik	M.E.Civil (Evn.Engg.)
Prof. Ayan Sengupta	M.E Civil (Structures)	Prof. N. D. Raut	M.E Civil (Structures) Ph.D*
Prof. P. K. Bhandari	M.E Civil (Structures)	Prof. V. S. Khanke	M.E. Civil (Structures) Ph.D*

Ph.D* - Ph.D.Pursuing

EVENTS CONDUCTED



Expert Lecture on "Fundamentals of Valuation" on 25/09/2019 by Mr. Pankaj P. Jahagirdar (alumnus of batch 2002).



Expert Lecture on "Career Guidance" on 10/01/2020. By Mr. Onkar Kalwade, Managing Director, Matrix Structures, Germany (alumnus of batch 2006)



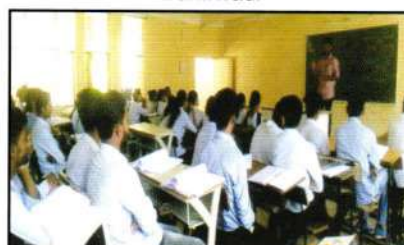
Grand celebration of "ENGINEER'S DAY" On 15th September in the presence of Shri Vikas Kale, Sarpanch, Bahirwadi



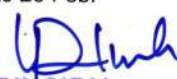
Campus Interview by Mr. Onkar Kalwade, Managing Director, Matrix Structures, Germany.



Conduction of Software courses Auto-CAD, Revit in coordination with CAD-DESK Centre, Aurangabad on 07 Jan.to 26 Feb.



Expert Lecture on "Higher Education in Foreign Countries" by Mr. Jaydeep Dangat, (alumnus of batch 2016) on 02/03/2020. He is currently working in Tandem Property Services, Sydney, Australia.


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Expert Lecture on "Entrepreneurship Development" by Mr. Nilesh Kumar Salve (alumnus of batch 2006) on 05/03/2020. He is currently working as a Senior Engineer in Kolte-Patil Infratech Private Ltd., Pune.



Expert Lecture on "Applications of software in Quantity Surveying" by Er. Vaibhav Bahekar (alumnus of batch 2018) on 10/02/2020. He is currently working in Civil Desk consultancy, Ahmednagar.



Hands on Training on "EasyBids and EasyRoads software on 11th -13th February 2020. By Mr. Pralhad Rao, Trainer SCS, Mumbai.

- INDUSTRIAL VISITS** : Industrial visits for different subjects were arranged for Civil Engineering students. Purpose of these visits is to make the students acquainted with practical aspects



Sunpharma Pharmaceutical company



Asphalt Mixing Plant



Hydropower Station, Paithan

ACHIEVEMENTS OF STUDENTS



KRUSHNA GORE

Got selected in P.W.D., Solapur



BALIRAM KSHIRSAGAR

Got selected in Brihanmumbai Municipal Corporation, Mumbai.

FACULTY PUBLICATIONS

Name of Faculty	Title of paper	Details of Publication
Dr. U.R. Kawade, Prof. S.N. Daule	Enhancement of Properties of Geopolymer concrete with Crimped Steel Fibers	IOP Conference Series: Materials, Science and Engineering, Vol. 814 (2020) 012008, pp doi:10.1088/1757-899X/814/1/012008
Dr. S. L. Hake, Prof. D.S. Patare	Effect Of CaO Content On GGBS Based Geopolymer Concrete	Global General of Civil Engineering (Knowvel Journal) Vol. 1 (2019) pp 8-12
Dr. M. P. Wagh, Prof. A.A. Sengupta	Augmentation with Ozone Assisted Electro-chemical Degradation of Distillery Spent wash for the Removal of Color and Chemical Oxygen Demand	International Journal of Environmental Science and Technology, SCI-E, Scopus ISSN: 1944-3994
V. R. Kulkarni	Wastewater Treatment through Constructed Wetland (CWL) System	Journal of Water Resource Engineering & Pollution Studies. Vol. 4, Issue 3
Prof. P. K. Bhandari	Health Monitoring OF RCC ESR's considering concrete cracking and steel corrosion	Advances in Civil and Structural Engineering, Vol. 5, Issue 1
Prof. A.A. Waghmare	Comparative Analysis of Circular and Intze Water Tanks on sloping ground using etabs	International Journal for Science and Advance Research in Technology, Volume 5, Issue 12 December 2019, ISSN [ONLINE] : 2395-1052

Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

DEPARTMENT OF MECHANICAL ENGINEERING

- **VISION –** Empowering the youth, in the field of Mechanical Engineering, through outcome-based quality education and research, which can keep pace with advanced technologies and contribute to society.
- **MISSION -**
- **M1 -** Impart quality education to the students and enhance their skills to make them competitive mechanical engineers.
- **M2 -** Develop self-motivated mechanical engineers with professional ethics, entrepreneurial skills, leadership qualities, and capable to communicate & work in a team for the industry and society.
- **M3 -** Establish linkages with organizations and industries for excellence in teaching, learning, and research along with environmental awareness.

INTRODUCTION : Mechanical engineering is recognized as one of the robust and most comprehensive professional disciplines. To cater the needs of the time and technology, the department consistently strives to provide world class facilities for education and research. The department organizes nourishment programs to provide the students with industrial and practical experience through training and project work in industries. As a result of above, the department was accredited by the National Board of Accreditation (NBA), Delhi in 2011 only. Modern multimedia teaching technologies are used to supplement lectures and enhance the quality of teaching. Industrial visits are arranged for students to gain practical exposure. In addition, guest lectures are arranged by inviting eminent persons from reputed organizations. Almost all the eligible students of final year mechanical engineering are getting placed in and off the campus recruitment. Department looks forward to contributing to solving the technological challenges of the society with active participation from all sections of the society.

Name of Faculty	Qualification	Name of Faculty	Qualification
Dr. K. B. Kale (HOD)	M.E. Mech. Ph.D. (IISc, Bangalore)	Shri. D. K. Nannaware	M.E. Mechanical (SPPU, Pune)
Dr. J. C. Burse	M.E. Ph.D. (NIT, Warangal)	Shri. A. V. Suryavanshi	M.E. Mechanical (NMU, Jalgaon)
Dr. R. R. Navthar	M.E. Mech. Ph.D. (NMU, Jalgaon)	Miss. V. S. Dhawane	M.E. Instru. Ph.D.* (SPPU, Pune)
Shri. S. M. Magar	M.E. Mech. Ph.D. * (SPPU, Pune)	Miss. S. S. Gadhe	M.E. Mechanical (SPPU, Pune)
Shri. R. E. Kalhapure	M.E. Mechanical (SRTMU, Nanded)	Miss. K. S. Kadam	M.E. Mechanical (SPPU, Pune)
Shri. P. A. Narwade	M. Tech. Mech. (IIT Bombay) Ph.D.*	Shri. R. A. Darandale	M.E. Instru. (SPPU, Pune)
Shri. R.N.Zaware	M.E. Mechanical (SPPU, Pune)	Shri. S. S. Vyavahare	M. Tech. Mech. (VJTI, Mumbai) Ph.D.*
Miss. C. R. Shah	M.E. Mechanical (SPPU, Pune)	Shri. Y. S. Pathare	M.E. Mechanical (SPPU, Pune)
Shri. B. T. Tagad	M.E. Mechanical (BAMU, Aurangabad)	Shri. P. G. Kohak	M.E. Mechanical (SPPU, Pune)
Shri. A.D.Kachare	M.E. Mechanical (SPPU, Pune)	Shri. S. K. Kadu	M.E. Mechanical (SPPU, Pune)
Shri. D. B. Thange	M.E. Mechanical (BAMU, Aurangabad)	Shri. P. P. Rasal	M.E. Mech. (Osmania Univ. Hyderabad)
Shri. R. S. Waghmare	M.E. Mechanical (SPPU, Pune)	Shri. R. A. Kandake	M.E. Mechanical (GCoE, Karad)
Shri. K. M. Markad	M.E. Mech. (Solapur, Univ.) Ph.D.*	Shri. M. M. Bidwe	M. Tech. Prod. D. & Mfg. (V.T.U., Karnataka)
Shri. V. P. Patekar	M.E. Mechanical (BAMU, Aurangabad)	Shri. A. S. Aher	M.E. Mechanical (SPPU, Pune)

*Pursuing

LABORATORIES & MAJOR EQUIPMENTS:

LABORATORIES

- Basic Mechanical Engg. Lab
- Advance Material Science Lab
- Hydraulics & Pneumatics lab
- CAD/CAM Lab
- Central Computing Facility
- Drawing Hall
- Dynamics of Machinery Lab
- Engineering Metallurgy Lab
- Fluid Machinery Lab
- Fluid Mechanics Lab
- Steam Lab
- Heat Transfer Lab
- Internal combustion Engine Lab
- Language Lab
- Mechatronics Lab
- Metrology & Quality Control Lab
- Modeling Lab
- Programming Lab
- Refrigeration & Air Conditioning Lab
- Theory of Machines Lab
- PG Computer Lab
- PG Research Lab

MAJOR EQUIPMENTS

- Forced Convection Apparatus
- FFT Analyzer (VCR)
- Single Plate Clutch Test Rig
- Boiler Test Rig
- Ultrasonic Flaw Detector
- Vickers Hardness Tester
- Refrigeration Test Rig
- Variable Compression Ratio Engine Test Rig
- Vacuum Stir Casting Furnace
- Coordinate Measuring Machine (CMM)
- CNC Lathe Machine
- Francis Turbine
- Kaplan Turbine
- Hydraulic Trainer Kit
- Gear Pump Test Rig
- Planetary Ball Mill
- Tubular Sintering Furnace
- Journal Bearing Test Rig
- Pin on Disc Tribometer
- Pneumatic Trainer Kit

DP

Ph.D. RESEARCH CENTRE & POST GRADUATE COURSE:

Ph.D. research centre and Post Graduate course in Design Engineering (ME-Design) with intake of 24 students is currently run by the department along with intake of 120 students in Undergraduate Course. Technocrats from the industries are also invited to impart practical as well as industrial knowledge to the students in addition to the regular faculty members.

TRAINING AND PROFESSIONAL COURSES:

Department conducts professional training courses on Quality control inspector (QCI-4), Solar PV Installer (Surya-Mitra), CNC-Programmer under the programme Pradhan Mantri Kaushal Vikas Yojana (PMKVY), the flagship scheme of the Ministry of Skill Development & Entrepreneurship (MSDE) implemented by National Skill Development Corporation. Department also conducts professional training courses on CNC Lathe & CMM machine in association with Ahmednagar Auto & Engineering Association (AAEA) Cluster, MIDC, Ahmednagar.

ACTIVITIES OF THE DEPARTMENT:

SEMINAR/WORKSHOP / CONFERENCES / FACULTY DEVELOPMENT PROGRAMME:

- International Conference on 'Advances in Material Science (ICAMS) 2020' on October 03, 2020 in association with Technology Research and Innovation Centre, Pune, India, International Balkan University, North Macedonia, College of Science, Engineering and Technology, University of South Africa and IEEE Nano Technology Council chapter, South Africa, Covenant University, Ota, Nigeria, Mechanical Engineering Department, University of Wasit, Kut, Iraq, National Research Centre, Cairo, Egypt at Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar.
- Two days National Level workshop on 'Rapid Prototyping' in association with SPPU, Pune on 24th and 25th January 2020.
- One Day Workshop on 'Manufacturing of machine component using additive manufacturing- Fused Deposition modeling (FDM)' by Mr. S. P. Rahane on 1st October 2019.
- Two Days Seminar on 'CAE Tools & its application for Automotive Development' on 20th to 21st May 2020 by Er. Shailesh Patil, Manager, TATA Technologies, Pune
- Two Days Workshop on 'Outcome Based Education: NBA Approach' on 11 – 12th June 2020 by the eminent speakers:
 1. Dr. Nagesh K. Chaugule, (COEP).
 2. Dr. S. L. Patil, (COEP).
 3. Prof. Dr. Suhas Deshmukh, GCOE, Karad
 4. Prof. Dr. S. N. Sapali, (COEP).

- Five Days Faculty Development Program on 'Product Design and Novelty' was arranged on 6th to 10th June 2020 and addressed by the following eminent speakers and Alumni of Mechanical Engineering Department:

1. Er. Rahul Ramtekkar, AGM, Hitachi India Ltd., Ahmadabad, Gujarat
2. Er. Manoj Dethe, Associate Manager, Kirloskar Brothers Ltd. Pune

3. Mr. Chandrashekhar Bapat, Chief Manager, John Deere Technology center, Pune
4. Mr. Swapnil Kamlakar, Manager, Alpha Analytics Services Pvt. Ltd.
5. Prof. Dr. Atul Kulkarni, BOS Mech. Engg., SPPU, Pune & Dean VIIT, Pune
6. Prof. Dr. Suhas Deshmukh, Govt. College of Engg. Karad
7. Prof. Dr. L. S. Dhamande, SRES, Kopergaon
8. Mr. Ankit Upadhyay, Manager, Mahindra Sintered Product Ltd. Hospet, Karnataka
9. Prof. Dr. Kishor B. Kale, Dr. Vithalrao Vikhe Patil, COE, Ahmednagar
10. Prof. Dr. Ravindra R. Deshmukh, JNEC, Aurangabad

GUEST LECTURES ON:

- 'Career Guidance' on 19th July 2019 by Mr. Bidwai Hemant S.
- 'Introduction to M.S. course' on 1st August 2019 by Mr. Mukesh Chopade.
- 'Motivational speech for Success in life' on 27th September 2019 by Dr. Mangesh Waghmare.
- 'Piping Design' on 14th January 2020 by Mr. Ravi Jorigal.
- '7 habits to Inculcate for a Lifetime' on 16th June 2020 by Er. Omkar Thigale.
- 'Career Opportunities for Fresh Mechanical Engineers' on 10th July 2020 by Prof. Dr. H. G. Phakatkar.

SHORT TERM COURSES:

- 'Spoken English training and Personality Development' workshop by Prominent Training Institute, Ahmednagar.
- A short term course on 'modeling using CATIA software' in collaboration with CAD DESK, Aurangabad.
- 'Basic Japanese Certificate Course' by Mrs. Vaidehi Muley, Tokiyo Institute, Ahmednagar. (Aug 19 – Jan 20)

MAJOR STUDENTS ACHIEVEMENT:

- 3rd prize for Best Endurance and 7th rank for all over India and 2nd in Maharashtra for team Vidyut in Electric two wheeler Design Competition (ETWDC-2019), A National Level Competition organized by SAE INDIA (Southern region) in association with Bannari Amman Institute of Technology, Sathyamangalam, Erode, Tamilnadu, 27th -29th September 2019.
- 1st prize for Best Endurance and 3rd rank for all over India and 2nd in Maharashtra for team Mechtra in Electric Bike Racing Challenge (5.0) organized by AMT Moto Corp. in association with O.P. Jindal University Raigarh, Chhattisgarh, 13th -16th January 2020.




PRINCIPAL

Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

- **VISION** – To incorporate the professional technical Excellence in the field of Electronics & Telecommunication Engineering to develop competent Engineers to contribute for the Industries with Social and Ethical awareness.
- **MISSION** -
- **M1** - To develop students to become technically proficient, in the field of Electronics & Telecommunication Engineering as per the society's current and future needs.
- **M2** - To motivate the students for technical competencies through a healthy relationship with Industries and Alumni.
- **M3** - To cultivates the spirit of Teamwork and Leadership among the students to make them socially and ethically responsible Engineers



Expert lecture on "Career Guidance"
by Beauty Kumar Jha (E&TC Alumnus 2016 batch)

Name of Faculty	Qualification	Name of Faculty	Qualification
Dr. A. K. Patil (HOD)	Ph.D Electronics	Prof. S. J. Wamane	M. E. (VLSI&EMD)
Dr. S. S. Magar	Ph.D Electronics	Prof. P. B. Varpe	M. E. (VLSI&EMD)
Dr. V. G. Kale	Ph.D Electronics	Prof. M. K. Musale	M. E. (VLSI&EMD)*
Prof. N. M. Deshpande	M. E. Electronics Ph.D*	Prof. S. G. Bharadi	M. E. (VLSI&EMD)
Prof. J. P. Botkar	M. E. Electronics	Prof. A. U. Vikhe	M. E. (VLSI&EMD)
Prof. P. P. Bhalerao	M. E. (VLSI&EMD)	Prof. P. S. Thorat	M. E. (VLSI&EMD)
Prof. A. R. Landge	M. E. (VLSI&EMD)	Prof. A. S. Kapare	M. E. (VLSI&EMD)
Prof. S. R. Udawant	M. E. (VLSI&EMD)	Prof. S. L. Nagare	M. E. (VLSI&EMD)
Prof. C. K. Kalawade	M. E. (VLSI&EMD)	Prof. A. R. Mane	M. E. (VLSI&EMD)
Prof. V. A. Dhawale	M. E. (VLSI&EMD)	Prof. R. A. Gode	M. E. (Digitalsystems)
Prof. M. B. Avhad	M. E. (VLSI&EMD)	Prof. B. A. Pangavhane	M. E. (VLSI&EMD)
Prof. R. J. Lawande	M. E. (VLSI&EMD)		*Pursuing



Expert lecture on
"Predictive Analytic
Automotive Industry"
by Mr. Dhananjay Bangar
(E&TC Alumnus 2013
batch), E-Info Chip-A
arrow company,
Magarpatta, Pune



Expert lecture on
"Market Scenario for
Electronics" by
Mr. Ajay Ambhulkar
(E&TC Alumnus 2010
batch), Planning
Manager I2SC,
Bangalore



Expert lecture on "EE(Electronics & Electrical) Skills" by
Mr. Swapnil Mutha, In charge Stud-Up Technologies,
Swargate, Pune



A Expert Lecture on "Entrepreneurship in the field of
Robotics" by Mr. Yuvraj Pardeshi, Director operations,
Yushai Systems, Shreyash Industries, MIDC,
Pimpri Chinchwad, Pune

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EXPERT LECTURE



A Expert Lecture on "Current Trends in Automation and its Implication in Business" by Mr. Sanjay Walunj, Director, Heatcon System and Anutech Networks Pvt. Ltd, Ahmednagar

ALUMNI VISIT & INTERACTIVE SESSION WITH FACULTIES



Dr. Haridas Bhogade, (E&TC Alumnus 1994 batch) Manager, Digital Insights at Publix, Lakeland Florida USA, visited department & had Interactive Session with Faculties



Er. Rakesh Kumar Bhan, (E&TC Alumnus 1994 batch) Managing Director, Fischer India Ltd., Pune & Mrs. Kalpana Auty Pimpale, (E&TC Alumnus 1994 batch) General Manager, Electro-circuits Pvt. Ltd., Pune, visited department & had Interactive Session with Faculties

FACULTY PUBLICATION

- 1) Dr. A.K. Patil published paper "Survey on MIMO Application for Compact and Planner UWB Antenna" International Journal of Science & Research, ISSN:2319-7064, Vol 08, Issue 02, Feb 2019
- 2) Dr. A.K. Patil and Prof. A. R. Mane published paper "Study of Cloud Services for Implementing and Integrating Internet of Things" International Journal of Current Research, ISSN 0975-83XX
- 3) Dr. V.G.Kale published a paper "Lung Cancer Analysis & Diagnosis by Coalition of Photometric &

quality metric parameters" in International Conference on Emerging Trends in Smart Computing and Informatics, Organized by AISSMs College of Engg, Pune, 12-14 March 2020

- 4) Dr. S.S.Magar published a paper "Lossless hybrid coding tech. based on quasi fractal & oscillation concept method for medical image compression." in Int. Journal of Computer Communication & Informatics. Vol.2 issue 1 (38-48), 30/05/2020
- 5) Dr. A.K. Patil and Prof. A. R. Mane published paper "IoT: An Overview, Application and Future" International Journal of Research and Analytical Review, ISSN 2349-5138
- 6) Dr. A.K. Patil and Prof. A. R. Mane published paper "IoT and Artificial Intelligence" Journal NX, Novateur Publications Journal NX-ISSN No: 2581-4230 February, 22nd and 23rd, 2019
- 7) Prof. Kale V.G published paper "Exploring Average Information Parameters over Lung Cancer for Analysis and Diagnosis" Springer Advances in Intelligent Systems and Computing (AISC) Series journal, Book Title: Computational Intelligence in Data Mining Chapter :54, July 2018, ISBN no:978-981-10-8054-8. Impact factor:0.49.

EXPERT LECTURES/WEBINARS AND WORKSHOP CONDUCTED BY DEPARTMENT

1. A webinar on "How to write a Research Paper" by Dr. D.B. Karanjule, Govt. Polytechnic, Ahmednagar
2. A webinar on "Intellectual Property Rights" by Dr. D.B. Karanjule, Govt. Polytechnic, Ahmednagar
3. A webinar on "Media Responsibility in Current Pandemic" by Mr. Yogesh Mishra, Bureau Chief, Chhattisgarh State, Sudarshan National News channel
4. A webinar on "Technology Trends, Transforming yourself for Digital Future and changing Business scenario" by Mr. Sunil Rajput, Managing Director, Accenture, Pune
5. A Expert Lecture on "Preparations for Defense Exams" by Lt. Sandeep Pandey (E&TC Alumnus 2015 batch)
6. A Expert Lecture on "Communication, Skill Development and Meditation" by Mr. Sumedh Saptrishi (E&TC Alumnus 2015 batch)
7. A workshop on "Demonstration Of Software Testing (Automation)" by Mr. Amol Ujagare, Director Scripting Logic pune
8. Workshop on "PLC Training" by Mrs. Snehal Ballal, Senior Engineer at Yash Autotech systems & Miss. Vaishnavi Shrigadi, Junior Engineer at Yash Autotech systems



Ms. Aishwarya Pathak is selected in Capgemini India Pvt Ltd. as Analyst (CTC = 3.80 LPA)

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DEPARTMENT OF INFORMATION TECHNOLOGY

- **VISION** – To create globally competent IT professionals with social values to meet the challenges of the computing industry.
- **MISSION** -
- **M1** - To create globally competent IT engineers having ability to analyze, design, and implement world class technology to meet computing industry challenges.
- **M2** - To provide students with the skills and knowledge in the field of Computer Science and Information Technology to become life-long learners.
- **M3** - To inculcate the spirit of professionalism, team work, research-innovation and entrepreneurship with social values among the students.

1. WORKSHOPS / SEMINAR / EXPERT LECTURES / CONFERENCE ORGANIZED:

- A expert lecture on "Introduction to Python Programming" by Mrs. Prachi Pawar, SEED Infotech, Ahmednagar for TE & BE IT students on 4th September 2019.
- An expert Lecture on "Career guidance for IT" by Er. Kiran Jadhav, Alumni 2014 batch Senior software engg. Infosys Tech, Pune for TE & BE IT students 18th September 2019.
- A expert lecture on "Opportunities in IT Sector" by Er. Hardik Gosavi, Alumni 2011 batch, Head, International Admissions, Sandip Foundation Nashik for SE, TE & BE IT students on 18th September 2019.
- A workshop on "Python Programming every Friday & Saturday" by Mrs. Prachi Pawar, Mrs. Renuka Devray, SEED Infotech, Ahmednagar for TE & BE IT students on 20th September 2019 to 29th March 2020.
- One Week Faculty Development Program on "Data Science and Machine Learning" under PMMMNMTT (Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching), Ministry of HRD, Govt. of India is organized for faculty and staffs from 10th Oct to 15th Oct 2019.
- Two Days State Level Workshop on Data Science using Python Programming is organized by the Department of Information Technology in association with Vehicles Research & Development Estt. (VRDE), Ahmednagar and The Institution of Engineers (India) Ahmednagar Local Centre on February 14-15, 2020. The workshop is sponsored by Board of Students' Development, Savitribai Phule Pune University, Pune.

2. STUDENTS' ACHIEVEMENTS: (STUDENTS ACADEMIC ACTIVITIES)

- Manasi Palve & Anushka Joshi (T.E.I.T.) have won Second Prize in Technical Paper Presentation Competition for students on the theme "Engineering for Change" organized by The Institution of Engineers (India), Ahmednagar Local Centre on the occasion of Engineers' Day on 15th September 2019.
- Ms. Manasi Palve (S. E. I.T.) was awarded the prize by the auspicious hands of Chief Guests on the occasion of "119th Padmashree Jayanti" on 14th Aug. 2019.
- Ms. Priyanka Lale (F. E. I.T.) was awarded the prize by the auspicious hands of Chief Guests on the occasion of "119th Padmashree Jayanti" on 14th Aug. 2019.
- Sayli Waghmare, Harshada Gunjal, Yukti Solanki, Prasad Bhadke, Gauri Kabra, Hrishikesh Deshpande, Akanksha Gatal (T.E. I. T.) were completed internships on Web Development in Vibrant Minds during 10th Dec. 2019 to 10th Jan 2020.
- Ms. Ashwini Thorat (B.E. I.T.) was Winner in 200 meter Running competition in Ahmednagar District Zonal Sports, Intercollegiate individual events at Sangamner on 30th Sept to 2nd Oct 2019.

3. STAFF ACHIEVEMENTS:

- Dr. D. A. Vidhate, HOD IT has felicitated by the auspicious hands of Chief Guests on the occasion for award of Ph.D. degree on "119th Padmashree Jayanti" on 14th Aug. 2019.
- Prof. Ms. S.S. Pophale has received an award as "Lady Engineer" from The Institution of Engineers (India) Ahmednagar Local Centre on the on the occasion of Engineers' Day on 15th September 2019.
- Prof. Ms. S.S. Pophale has received an award as "Swayam Siddha" from Kalikadevi Sanstan Pune on 07th October 2019.
- Prof. Ms. M.S. Gunjal has worked as Judge for the Technical Paper Presentation Competition organized by The Institution of Engineers (India) Ahmednagar Local Centre on the on the occasion of Engineers' Day on 15th September 2019.

Name of Staff	Qualification	Name of Staff	Qualification
Dr. D.A.Vidhate	M.E.(Comp),Ph.D.(Comp)	Prof. A.A. Pund	M.E. Computer
Prof. Mrs. M.N.Kale	M.E. (IT)	Prof. Ms. M.S.Gunjal	M.E. E&TC
Prof. Ms. A.B. Bavane	M.Tech. (IT)	Prof. Mrs. J.P.Gaidhani	M.E. Computer
Prof. R.G. Raut	M.Tech. (IT) Ph.D*	Prof. Mrs. P.S. Gayke	M.Tech. (CSE)
Prof. G.M. Dahane	M. Tech. (Comp)	Prof. Ms. Chandgude	M.E.(Comp)
Prof. Ms. S.S. Pophale	M.E. (CSE), Ph.D*	Prof. Mrs. K.K. Anarse	M.E. Computer

FACULTY PUBLICATIONS:

- Prof R.G.Raut has published paper "Gram panchayat Adoption Advisor System" in the board of International Journal on Recent trends in computing and communication and Innovation on 7 July 2019.
- Prof G.M.Dahane has published paper "Dual encryption by Random Segmentation and random re-generation (RSRA) using two dimensional array" in IJORS in April 2019.
- Prof Mrs.P.S.Gayke has published paper "Flash Translation layer used mapping schemes like BAST & FAST" in NX journal on 22 Feb 2019.



"Python Programming" every Friday & Saturday By Mrs. Prachi Pawar, Mrs. Renuka Devray



Felicitation of Dr. D.A. Vidhate, HOD IT for award of Ph.D. degree on "119th Padmashree Jayanti"



Prof. M.S. Gunjal has worked as Judge for the Technical Paper Presentation Competition on the occasion of Engineers' Day



Prof. Ms. S.S. Pophale has received an award as "Lady Engineer" from The IEI on the occasion of Engineers' Day



Prof. Ms. M.S. Gunjal has worked as Judge for the "Ruturang - cultural events" organized by Dr. Vithalrao Vikhe Patil College of Nursing Education



Prof. Ms. S.S. Pophale has received an award as "Swayam Siddha" from Kalikadevi Sansthan Pune on 07th October 2019.



An expert Lecture on "Career guidance for IT" by Er. Kiran Jadhav, Alumni 2014 batch Senior software engg. Infosys Tech, Pune



A expert lecture on "Opportunities in IT Sector" by Er. Hardik Gosavi, Alumni 2011 batch, Head, International Admissions, Sandip Foundation Nashik



Inauguration of One Week Faculty Development Program on "Data Science and Machine Learning" under PMMMNMTT



Hands-on session on on "Data Science and Machine Learning"(One Week Faculty Development Program under PMMMNMTT)



Valedictory and certificate distribution Function Of One Week Faculty Development Program on "Data Science and Machine Learning"

WEBINARS ORGANIZED BY INFORMATION TECHNOLOGY DEPARTMENT



CAMPUS PLACEMENTS



Ms. Sneha Thorat (B.E.IT)
TIAA, Mumbai (Rs. 7.0 LPA)



Ms. Swapnil Galkwad (B.E.Mech)
Infosys, Pune Rs. 3.5 LPA



Ms. Akshada Thorat (B.E.IT)
Infosys, Pune Rs. 3.5 LPA



Ms. Shifa Shaikh (T.E.IT)
Infosys, Pune Rs. 3.5 LPA



Akash Abuj (B.E.IT)
Infosys, Pune Rs. 3.5 LPA



Himanshu Yeolekar (B.E.IT)
Cognizant, Pune Rs. 4.0 LPA



Suraj Tupe (B.E.IT)
TCS, Pune Rs. 3.5 LPA



Ashwin Gundecha (B.E.IT)
NTT, Pune Rs. 3.5 LPA

PRINCIPAL

Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

DEPARTMENT OF ELECTRICAL ENGINEERING

- **VISION** – To prepare effective and socially responsible Electrical Engineer to serve the future needs and challenges of the society.
- **MISSION** -
- **M1** - o strengthen academic infrastructure leading to quality professionals through modern technology in the field of Electrical Engineering.
- **M2** - To impart technical education with industry and society for developing competent Electrical Engineer.
- **M3** - To create passion for learning and promote innovation.

INTRODUCTION : The Department of Electrical Engineering has a fine blend of renowned as well as highly experienced, qualified faculty is involved in providing quality education at undergraduate (UG) level. The Department comprises separate wing with space as per AICTE norms with three classrooms and Ten well equipped laboratories.

All laboratories such as machine lab – I & II, basic engineering lab, high voltage & switch gear lab are very essential and most important, computer lab are in the same building under one roof. All class rooms are spacious with fans and lights and environment friendly with proper ventilation. All the labs are well equipped with latest equipments and machineries, computers and application softwares such as MATLAB, Mi power, Dig Silent factory, Auto Grid pro, Psimetc etc. which are open to the students for their use.

All the faculty members are with master degree. The Department is concentrating specially on academic and research. Teaching style is very interactive and concept oriented. The various curricular and co-curricular activities are conducted through ELESa.

LIST OF LABORATORIES : Laboratories in the department are being continuously upgraded to add new equipments so as to create research facilities to students as well as staff.

THE DEPARTMENT HAS FOLLOWING WELL EQUIPPED LABORATORIES:

- Basic Electrical Lab.
- Instrumentation and Measurement Lab.
- Analog and Digital Lab
- Machine Lab. I & II • Power System Lab
- Power Electronics, and Industrial Drives and Control Lab
- Control System, and Programmable Logic Controller Lab
- Switchgear and Protection Lab
- High Voltage Engineering Lab
- Microprocessor Lab • Computer lab • Testing Lab

MAJOR EQUIPMENTS AVAILABLE :

The laboratories are equipped with important major equipments which are useful for the students to carry out their project work.

THE DEPARTMENT HAS FOLLOWING WELL EQUIPPED LABORATORIES:

- AC H.V Transformer
- D.C Network Analyzer
- Simulation Model of Merz prices Protection of Transformers
- Simulation Model of Distance Protection of Transmission Line with Impedance Relay
- Relay Testing Kit
- Logic Analyzer
- Rectifier unit 3-Ph , SCR DC Current from 0-100Amp. Out put voltage : 250-300V DC
- 3-Ph Induction motor PWM control using IGBT & with 0.5 HP Motor
- Thyristor controlled trainer kit with 0.5 HP 3-Ph Induction motor
- Closed loop speed control of DC Motor
- Softwares: MATLAB 8.3, Mi Power, Dig Silent Factory, Grounding, Etap, Psim.

Name of Faculty	Qualification	Name of Faculty	Qualification
Dr. A. R. Laware	Ph.D. (Electrical Engineering)	Prof. G. K. Shirsat	M.Tech. (Power System)
Prof. S. A Markad	M.E.(Power System) Ph.D.*	Prof. G. B. Murade	M.Tech. (Power System)
Prof. S. K. Sheikh	M.E.(Power System) Ph.D.*	Prof. P. U. Raut	M.E. (Power System)
Prof. M. H.Nerkar	M.E. (Control System)	Prof. S. B. Joshi	M.Tech.(Instrumentation and Control)
Prof. K. R. Ghadge	M.E.(Control System)	Prof. S. S. Mandhare	B.E. (Instrumentation and Control)
Prof. S. K. Awaze	M.E.(Power System)	Prof. M. S. Khande	M.Tech. (Power System)
Prof. R. A. Wakale	B.E. (Electrical) ME*		

*Faculty members are pursuing Ph.D.

(Signature)
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Ahmednagar

CAREER OPPORTUNITIES AFTER GRADUATION

In present scenario electricity playing vital role in every industry and therefore an Electrical Engineer is needed. Other than this electrical firms such as Crompton Greaves Ltd., Cummins Generator Technology, ABB, L&T, TATA Power, Reliance Power, India Bull, TCS, Torrent Power & State utilities like MSEDCL, MSETCL, MSEGCL, PWD, Railway, Defence, thrust zone of Renewable Energy are regularly recruiting our engineering graduates.

RESEARCH PUBLICATIONS OF FACULTY MEMBERS AND STUDENTS

1. Dr. A. R. Laware published a paper in International Research Journal of Software Computing and Testing, "Experimental Realization of Constrained Optimization of Sliding Mode Controller Parameters with Modified Objective Functions", Vol.6, No.1, April, 2020. DOI: 10.37628/ijosct.v6i1.594.
2. Dr. A. R. Laware published a paper in Journal of Engineering Sciences, "Design of LMI - based finite-time sliding mode controller: The convex optimization problem", Vol. 11, Issue 05, pp. 542-549, May 2020. DOI: 10.15433. JES.2020. V11I5.43P.87
3. Prof. S. A. Markad published a paper in International Conference on Communication and Information Processing (ICCIP-2020), "Optimum Location and Size of DG Using GA with Sensitivity Analysis for a Real Time Radial Distribution System" at Nutan college of Engineering and Research, Talegaon Dabhade, Pune on 26-27 June 2020.
4. Prof. S. K. Sheikh published a paper in Grenze International Journal of Engineering and Technology, "Solar Operated Pesticide Sprayer in Agriculture Field", pp. 64-71 January 2020.
5. Prof. M. H. Nerkar, Sudarshan S. Jadhav, Shubham P. Suradkar, Balu J. Misal published a paper in International Journal for Science and Advance Research in Technology (IJSART), "Simulation Model of Wireless Charging System For Electric Vehicle", Vol. 6 Issue 5, ISSN [ONLINE]: 2395-1052, May 2020.
6. Prof. K. D. Vidhate, Pooja K. Bhirud, Prajakta R. Jangale, Manisha S. Shende published a paper in International Journal for Science and Advance Research in Technology (IJSART), "Study and Design of Conveyorised Oven System Used for Moisture Reduction in Batteries", Vol. 07, Issue: 04, e-ISSN: 2395-0056, April 2020.
7. Prof. G. K. Shirsat, Nilesh U. Bhangale, Urvesh Y. Gurav, Suraj A. Jawale published a paper in international Research journal of Engineering and Technology (IRJET), "IOT based Energy Monitoring System for Energy Conservation", Vol. 07 Issue 4, e-ISSN:2395-0056, April 2020.
8. Prof. G. B. Murade, Harshal R. Tamboli, Krushnakant S. Shardul, Mithil R. Kanade and Kunal R. Lite. Published a paper in International Journal for Science and Advance Research in Technology (IJSART), "Optimal Implementation Of Portable Charger For EVs" ISSN: 2395-1052, Vol. 06, Issue 4, April 2020.
9. Prof. S. S. Mandhare, Mayuresh S. Kulkarni, Anand K. Thote, Pankaj D. Patil, and Nagesh K. Bhosale published a paper in international journal for Science and Advance Research in Technology (IJSART), "Cogeneration Through Zero Dust Hot Waste Gas", Vol. 06, Issue 4, ISSN:2395-1052, April 2020.
10. Mr. Roshan K. Bhangale, "Received Best Research Paper" award in National Conference Organized by AIMS, Baramati on "Reconnect to Basics: The Mantra for Value Based Learnings and Transformation" on 5th and 6th Oct 2019.

ACTIVITIES OF THE DEPARTMENT

EXPERT LECTURES



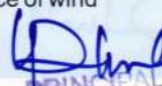
On 30/07/2019, Department has organized expert lecture on "Opportunities in Automation Industries (Carrier Guidance)" by the Alumni Mr. Prashant Kulkarni (Alumni 2006), Enviro Building Services, Sydney, Australia.



On the occasion of Engineers Week on 28/09/2019, Department has organised Expert Lecture by our Alumni, Er. Shushant Nawale, Suzlon Ahmednagar on "Maintenance of wind farm".



On 28/9/2019 Expert lecture has organized by Department. On this occasion ER. Arvind Kumavat, CTR Manufacturing Plant, Nasik


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DEPARTMENT OF ENGINEERING SCIENCE

Name of Faculty	Qualification	Name of Faculty	Qualification
Dr. S. J. Halnor, HOD	M.Sc., Ph.D (Chemistry)	Prof. Mrs. P. M. Jagtap	M.Sc (Mathematics)
Dr. S. S. Desai,	M.Sc., M.Phil. (Physics), Ph.D	Prof. A. R. Dhawale	M.Sc (Physics)
Prof. S. D.Devkhile	M.Sc (Mathematics)	Prof. Ms. P. A. Khubchandani	M.Sc (Mathematics)
Prof. C. T. Hajare	M.Sc. (Chemistry)	Prof. Ms. J. A. Khubchandani	M.Sc (Mathematics)

N.S.S. (National Service Scheme)

National Service Scheme (NSS) has been playing a vital role in enriching the souls and minds of the students of our college. The overall objective of this scheme is 'Education and Service' to the community and by the community. College has 150 students NSS Unit. During academic year NSS Unit has conducted Swacchata Abhiyan, NSS Day celebration, National unity day, Gandhi Jayanti etc. The ultimate goal of the scheme is to bond of patriotism, National integration among these volunteers.



Jan Jagruti Abhiyan Rally



Swacchata Abhiyan at college campus



National unity day poster presentation



Gaust lecture "Roll of young generation in village development"



Winter Camp at Jakhangaon

CO-CURRICULAR ACTIVITIES

Following activities are regularly held by various department For overall development of the students.


- Expert's Lectures • Seminars • Workshops.
- Design Competitions • Technical Paper Presentations.
- Personality Development Programmes
- Lectures on soft skills
- Lectures on Entrepreneurship development.
- Students are encouraged to participate in above activities held other institutions also by providing financial assistance.

HEALTH CENTER:

Super Speciality medical facility is available 24x7 to students, faculty and Staff members at Dr Vikhe Patil Memorial hospital and Medical college located within our institutional campus.



HEALTH CENTER


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Ahmednagar



Prize Distribution Ceremony

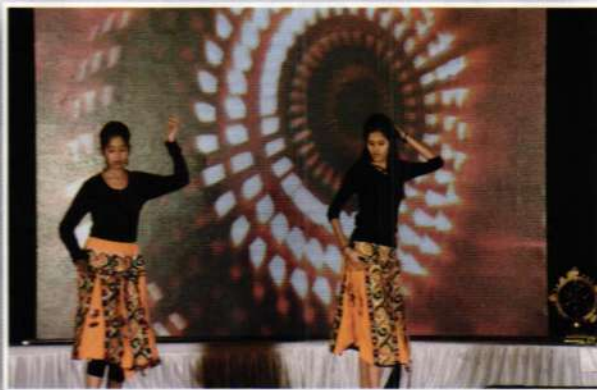


Felicitation of Guest Myuresh Pimplakar
(E&TC Alumni)



Address By Hon. Shri Vasantrao
Kapare (Trustee)

Annual Social Gathering



UP Patel

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Board Students Welfare



Moments of Marathi One act Play
"Suryodayapurvich"



Ms. Shruti Deshpande (Second
Prize in Classical vocal solo)
Singing at university Level



College Team (Third prize in group
Indian Song in SPPU Youth Festival)
University Level



Mane Kapil (Bronze Medal-shot-put),
Thorat Ashwini (Gold Medal 200m.)
Vidhate Rushikesh (Gold Medal shot-put)

Dr. Vithalrao Vikhe Patil
PRINCIPAL

Dr. Vithalrao Vikhe Patil
College of Engineering
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Graduation Ceremony



Graduation Ceremony 2020,
Conducted on Sunday 1st March 2020.



President of function:
Hon. Shri. Radhakrishna Vikhe Patil
Chief Guest: Brig. Vijaysingh Rana (V.S.M.)
Commandant, M.I.R.C. Ahmednagar


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Engineer's week Celebration



Patrakar Sachin Kambale (YIN Coordinator,
Sakal samuh)



Mr. Kisan Kand -Guest For Engineer
day (Alumnus 2010 batch)



Prof.M.S.Satarkar
Principal Govt. Polytechnic Ahmednagar



Institutions run by Dr. Vithalrao Vikhe Patil Foundation

1. College of Engineering
2. IBMRD (M.B.A.)
3. College of Pharmacy
4. I.T.I., M.I.D.C., Ahmednagar
5. I.T.I., Ranjangaon Mashid
6. Dr. Vikhe Patil Memorial Hospital & Medical College
7. College of Physiotherapy
8. College of Nursing
9. College of Agriculture
10. English Medium School (CBSE Pattern)
11. Padmabhushan Balasaheb Vikhe Patil Junior College



Dr. Vithalrao Vikhe Patil Foundation's

Dr. Vithalrao Vikhe Patil College of Engineering

Affiliated to Savitribai Phule Pune University and Recognised by A.I.C.T.E., New Delhi)

I.D. No. PU/AN/ENGG/027/1983.

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