

COLLEGE OF ENGINEERING

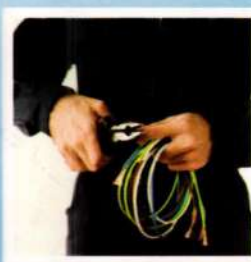
AHMEDNAGAR



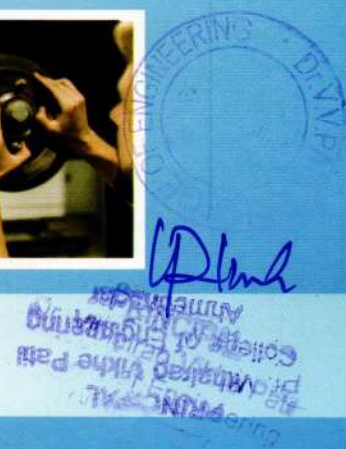
**Civil • Mechanical • Electronics & Telecommunication
Electrical • Information Technology**



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



PROSPECTUS



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 distressed by the pitiable plight of the poor, the illiterate and the downtrodden peasantry who were exploited by the money-lenders 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 generations led by his illustrious son Shri. Balasaheb Vikhe Patil, his grandson shri. Radhakrishna Vikhe Patil, his great grandson Dr. Sujay Vikhe Patil.



2018-19

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)

[Signature]
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 a student and in your later professional career.

I wish you all a bright future.



PRINCIPAL

Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Hon'ble Shri. Radhakrishna Vikhe Patil

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 Colleges 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 a 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.



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



Lt. Gen. Dr. B. Sadananda

AVSM, VSM

MBBS MD (Med), MD (CH), DHA NDC

Secretary General

D V V P Foundation, Ahmednagar



Dr. P.M. Gaikwad

M. Pharm\, Ph. D.

Director Technical

D V V P Foundation, Ahmednagar



Prof. S. K. Kalhapure

Deputy Director

D V V P Foundation, Ahmednagar

PRINCIPAL

Dr. Vikhe Patil

College of Engineering

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 be 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.


Principal
Dr. Vithalrao Vikhe Patil
College of Engineering
Mumbai
Mumbai





VISION : It is aimed to provide the finest environment for teaching, learning, research, innovation and character building so as to mould youth of today into world class technocrats of tomorrow who would endeavour to increase the quality of life for mankind.

MISSION : Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar is committed to impart excellent Technical Education to the students to create Techno-Excellant citizens who will keep abreast with changing technology and will be retaining rich cultural identity to the full satisfaction of our stake holders and society at large with further commitment to serve the nation.

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.

PRINCIPAL
Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



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	516137210
Electrical Engineering	60	516129310
Information Technology	60	516124610
Postgraduate Courses		
Civil - Structural Engineering	24	516121210
Mechanical - Design Engineering	24	516160110
Research (Ph.D) Proposed - Mechanical Engineering	16	In Process

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 50 % marks (at least 45 % 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 50 % marks (at least 45 % 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 50 % Marks (at least 45 % Marks incase of backward class categories and Persons with Disability candidates belonging to Maharashtra State Only);

OR

Obtained score in MHT-CET 2019 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 50% aggregate marks (45% in case of Candidates of backward class categories & person with disability belonging to Maharashtra only).

And

* All above courses are Accredited by NAAC

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 updates about the Eligibility For Admission in FE Direct Second Year & PG Courses in Engineering Please Refer

<http://www.fe2019mahacet.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.

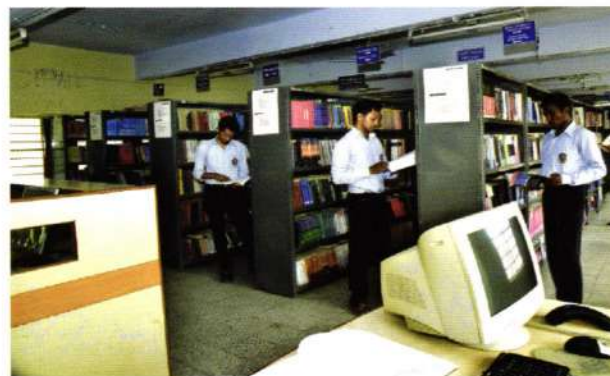
UNIQUE FEATURES OF INSTITUTE: Four of the undergraduate courses in our institute are accredited by National Board of Accreditation (NBA), New Delhi for excellent teaching-learning environment with well equipped laboratories and dedicated, qualified and experienced faculty. Some of the unique features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

(Signature)
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

- 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.



COMPUTING FACILITIES : All departments have separate computer laboratories with PCs of latest configuration equipped with softwares 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.



HOSTELS : To facilities stay of students 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.



GYMKHANA



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

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 2018-19

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&T & Electrical Engineering Department



E&Tc Students placed in Infosys and CMS IT Services Pune, 2019



Campus interview by past alumnus Mr. Onkar Kalwade


PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering

PMKVY

प्रधानमंत्री कौशल विकास योजना

PMKVY-TI

(Pradhan Mantri Kaushal Vikas Yojana - Technical Institutions) : Dr. Vithalrao Vikhe Patil College of Engineering had started PMKVY-TI Courses in the Campus. AICTE is implementing the PMKVY for Technical Institutes scheme through AICTE approved Technical Institutions in the country. Under this Scheme in next three years, 10.5 Lakh youth are to be given Engineering Skills. To impart unemployed youth, the skills and find placement in suitable private sector jobs.



उन्नत भारत अभियान
UNNAT BHARAT ABHIYAN

UNNAT BHARAT ABHIYAN

Dr. Vithalrao Vikhe Patil college of Engineering is participating in Unnat Bharat Abhiyan, which is sponsored by Ministry of Human Resource Development. Under this scheme college is developing five Villages (Dehere, Vadgaon Gupta, Nav Nagapur, Nimbalka, and Vilad)

Sr No.	Specializations	Min Qualifications	Sector	Sanctioned Intake
1.	Soil & Water Testing Lab Assistant	12 th Standard Pass (with science / agriculture subjects)	Agriculture	25
2.	Assistant Surveyor	Preferably 5 th standard	Construction	25
3.	Network Engineer	Diploma / ITI	Telecom	25
4.	CCTV Installation Technician	10 th Pass	Electronics	25
5.	Solar PV Installer (Suryamitra)	10 th pass+ITI / Diploma (Electrical, Electronics, Civil, Mechanical, Fitter, Instrumentation, Welder)	Green Jobs	25
6.	QC Inspector Level 4	ITI in Mechanical / Electrical / Electronics Engineering (Product content based)	Automotive	25
7.	CNC Programmer	Diploma in Mechanical Engineering	Capital Goods Skill Council	25
8.	Junior Software Developer	12 th pass with good aptitude	IT/ITeS	25
9.	Junior Engineer - Power Distribution	Diploma (Electrical)	Power	25

Objectives of PMKVY - TI

The Main objective of the Scheme is to impart Engineering Skills For 10 Lakh youth in the next three years. It is aimed to :

- Encourage the institutions for making the best use of available infrastructure of higher education system during off hours for skill training.
- Provide employable and certifiable skills based on National Occupational Standards (NOS) with necessary soft skills to the school dropouts who want to pursue/attain higher order skills and living in the vicinity of College.
- Provide for up-gradation and certification of traditional/acquired skills of the learners irrespective of their age;
- Provide opportunities for community-based life-long learning by offering courses of general interest to the community for personal development and interest.
- Offer bridge courses to certificate holder of general/ vocational education, so as to bring them at par with appropriate NSQF level.
- Provide entrepreneurial orientation along with required skills, trained for self-employment and entrepreneurship development.
- Provide Post Placement support, Tracking and Monitoring.

PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



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.

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).

WARNING
Ragging is a **CRIME**




PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar





Dr. M. P. Wagh was awarded with Engineer's Achievement award by Institute of Engineers



Dr. Anita K. Patil, HOD E&Tc receiving "IDOL LADY AWARD"

FACULTY ACHIEVEMENTS:

- On the occasion of Engineer's day, Dr.M.P.Wagh was awarded with Engineer's Achievement award from Institute of Engineers, Ahmednagar for his research on Treatment to Distillery Spent Wash (Waste Water).
- Prof.D. A.Vidhate, HOD IT has received IEAE - Research Excellence Award from Institute for Exploring Advances in Science & Engineering (IEAE), Bangalore in July 2018.
- Dr. Anita K.Patil, HOD E&Tc has received "Idol Lady Award" from Sahyadri Multi city Ahmednagar on 9th May 2019.
- Prof.D. A. Vidhate, HOD IT has received Excellent Teacher Award of Teaching Excellence Award (TEA 2018) from MT Research & Educational Services (MTRES), New Delhi on the occasion of Teachers' Day on 5th September 2018.
- Dr.U.R.Kawade has been appointed as university representative for special scheme for construction of women's hostel 2018 of Dada Patil Mahavidyalaya, Karjat, Ahmednagar (Rayat shikshan sanstha.) by SPPU, Pune.
- Prof. U.R. Kawade, Dept of Civil Engg. has been awarded Ph.D degree in Civil Engineering by North Maharashtra University, Jalgaon.
- Prof. V.G.Kale, Dept. of E&TC, has been awarded Ph.D. degree in E&TC Engineering by B.A.M.U. University, Aurangabad.
- Prof.M.P.Wagh, Dept of Civil Engg. has been awarded Ph.D degree in Civil Engineering by Savitribai Phule Pune University, Pune.
- Prof.D.A.Vidhate, HOD IT has been awarded Doctor of Philosophy in Computer Engineering by Savitribai Phule Pune University, Pune from College of Engineering, Pune on the topic, 'Context based Co-operative Decision Making Algorithms for Diagnostic Application' on January 30, 2019.
- Prof. S.S.Desai Has been awarded Doctor of Philosophy in Physics from B.A.M.U., Aurangabad
- Dr. A. J. Shirke's major Research Project Short-listed by IQAC, SPPU, Pune under ASPIRE (Impact Oriented Research Program for amount Rs. 1500000/
- Special Achievements: Electrical Engineering Department. Grant of Rs. 5,00,000/- (Five lacs) against rooftop solar system of 15.36km is received from SSPU, Pune.

STUDENTS' ACHIEVEMENTS:

- Mr. Roshan K. Bhangale Received "Best Outgoing Student of the Year" Award from college on 27th March 2019
- Suraj Tupe (T. E. I.T.) has won the First Prize in SEED IT IDOL Ahmednagar competition held by Savitribai Phule Pune University and Seed Infotech Pune on 2nd March 2019.
- Ashwini Thorat (T.E.I.T.) have won First Prize with Gold Medal in Two hundred meter running of District Zonal Sports held at Malpani College, Sangmner on 7th – 9th Oct. 2018.



Mr. Roshan K. Bhangale Receiving "Best Outgoing Student of the Year" Award from College



Suraj Tupe-SEED IT IDOL, Ahmednagar

Handwritten signature



DEPARTMENT OF CIVIL ENGINEERING

INTRODUCTION: Department of Civil Engineering is the oldest department in the institute established in the year 1983. Civil Engineering is a branch which help the world to develop and stand in the world with pride. Civil Engineers play a key role in the whole process from designing a project to bringing it to life and maintaining it. Civil Engineers are in great demand not only in our country but also abroad due to the increasing demand of development of infra structural facilities like Buildings, Communication and Transportation facilities such as Highways, Bridges, Airports, Irrigation and Canals, Tunnels and Dams, Water Transport and Pollution control.

POST GRADUATE COURSE: Civil Engineering Department runs Post Graduate course in Structural Engineering (ME-Structures) with intake of 24 students.



Two days national level seminar on "Environmental Challenges in 21st Century"

Name of Faculty	Qualification	Name of Faculty	Qualification
Dr. U.R.Kawade (HOD)	M.E.(civil Stru.Engg.) Ph.D.(Civil)	Prof. V. A.Yeole	M.E. (Civil-Stru.Engg.)
Dr. S.L.Hake	M.E (Civil) Ph.D (Civil)	Prof. A.H.Shirke	M.E. (Civil-Stru.Engg.)
Dr. M.P.Wagh	M.E. (Civil-Env.Engg.) Ph.D	Prof. D.S.Patare	M.E. (Civil-Stru.Engg.)
Dr. A.J.Shirke	M.Sc. (Geology) Ph.D	Prof. S.L.Asava	M.E. (Civil-Env.Engg.)
Prof. V.R.Kulkarni	M.E.(civil-Env.Engg) Ph.D(Civil)	Prof. N.M.Mulik	M.E. (Civil-Env.Engg.)
Prof. S.N.Daule	M.E. (Civil-Stru.Engg.)	Prof. A.H.Jamale	M.E. (Civil-Stru.Engg.)
Prof. P.B.Autade	M.E. (Civil-Stru.Engg.) Ph.D*	Prof. P.A.Chavan	M.E. (Civil-Stru.Engg.)
Prof. M.V.Gunjal	M.E. (Civil-Env.Engg.)	Prof. B.N.Kanawade	M.E. (Civil-Stru.Engg.)
Prof. Ayan SenGupta	M.E. (Civil-Stru.Engg.)	Prof. N.D.Raut	M.E. (Civil-Stru.Engg.)
Prof. P.K.Bhandari	M.E. (Civil-Stru.Engg.)	Prof. K.S.Langhe	M.E. (Civil-Stru.Engg.)
Prof. P.A.Salunkhe	M.E. (Civil-Stru.Engg.)	Prof. V.S.Khanke	M.E. (Civil-Stru.Engg.)
Prof. A.A.Waghmare	M.E. (Civil-Stru.Engg.)	Prof. B.D.Gulave	M.E. (Civil-Stru.Engg.)

*Pursuing

LABORATORIES IN DEPARTMENT:

Laboratories in department are being continuously upgraded to add new equipments so as to create research facilities for students as well as staff. The Department has following well equipped laboratories:

- Geo Technical engineering Laboratory
- Computer Laboratory -1
- Environmental Engineering Laboratory
- Engineering Geology Laboratory
- Research Laboratory • Surveying Laboratory
- Transportation Engineering Laboratory
- Fluid Mechanics Laboratory
- Engineering Mechanics Laboratory
- Structural Engineering Laboratory
- PG Computer Laboratory

MAJOR EQUIPMENTS & SOFTWARE

- Computerized Universal testing machine (100T)
- Compression Testing Machine
- Torsion Testing machine
- Concrete Permeability Testing Machine
- Concrete Ultrasonic Testing Machine
- Standard Penetration Test Apparatus
- Total Station • Laser Level • Staad Pro-V8i
- E-Tab • R-Cube • Marshall stability Testing Machine
- Ductility Testing Machine • Wind Tunnel
- Field California Bearing Ratio Test Apparatus
- Los-Angeles Abrasion Testing Machine • Tilting Flume



Fluid Mechanics Lab

Paper Presentation by Faculty

- Dr U.R.Kawade presented paper in International conference ICETESM on topic "Enhancement of Compressive strength, Split Tensile Strength and Flexural Strength of Geopolymer Concrete by adding Polypropylene Fibres"
- Dr. A. J. Shirke published paper in International Journal of Recent Trends in Science and Technology on topic "Site suitability analysis for watershed structures in Khokar Nala by using Remote sensing and GIS"
- Dr. M. P. Wagh published paper in the Journal Desalination and Water treatment (Taylor & Francis) on

Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

topic, "Biogas generation from distillery spent wash by using an OPUR western biotechnology process"

- Dr. M. P. Wagh published paper in Indian Techno-Societal conference Springer Journal, Dec.2018 on topic, "Continuous electro coagulation process for distillery spent wash using Al-electrodes"
- "Dr. S.L Hake published paper in ICSTEESD-18, on topic "Application of Effect of Alkaline solution on different types of fly ash of GPC".
- Prof. D. S. Patare and Prof. P. A. Chavan published paper in Journal IJSART on topic "Appilcation of Effect of Alkaline solution o different types of fly ash of of GPC"
- Prof B. D. Kanawade published paper in International Conference Advanced Technologies for Societal Application- Techno-Societal 2018, SVERI's COE, Pandharpur on topic "Structural behavior of ferrocement slab panels"
- Prof S.N. Daule published paper in Journal NX-A multidisciplinary Peer reviewed Journal on topic "To Enhance the properties of Geopolymer concrete for different molarities of NaOH and varying Ratio of $\text{Na}_2\text{SiO}_3/\text{NaOH}$ "
- Prof P. A. Salunkhe and Prof. A. H. Jamale presented paper in International conference FUTURA ICON-2019 on topic "Effect of Silica fume on the Morter"
- Prof P. K. Bhandari & B. D. Kanawade published paper in Novateur Publication Journal on topic "A Review on sustainability of Recycled Construction Aggregates"
- Prof A. A. Waghmare and Prof U. R. Kawade presented paper in International Conference-ICETE 2019, Hyderabad Springer publication on topic "Nonlinear Dynamic Analysis"

Industry sponsored projects by various companies

- Low Cost Housing • Design of Warehouse and Food Preservative • Building Information Modeling
- Facade Structures • Feasibility of membrane structure in public places of Ahmednagar

CAREER OPPORTUNITIES: The Civil Engineers are in great demand because of the need to develop infra structural facilities in India to keep pace with economic development of the country and abroad. Our major recruiters are Government Dept. like PWD, Irrigation, Water Supply, Railways and Airport Authorities etc. and in public sector and private construction companies like TATA, L&T, Gammon India, B G Shirke, HCC, Ashoka Group etc. They may also be self employed in the field of construction and consultancy in structural design planning, remote sensing and all other fields of Civil Engineering. Moreover Engineering Graduates have ample chance of Entering into IES, IFS, MES and other competitive examinations.

Events organized

Two days national level seminar on "Environmental Challenges in 21st Century"

was organized on 24-25 Jan 2019. Dr Shankar Murthy, Dr M. Husain, Dr S.S. Shastri, Dr S.T.Mali deliver their lectures on "Environmental Challenges in 21st Century"

Campus interview was conducted by past alumnus Mr. Onkar Kalwade, Structural Engineer, Tragwerksplaner, Managing Director, (Matrix Structures, Germany. India).

Testing and Consultancy: The laboratories in the department are well equipped and department offers testing and consultancy services to Government organizations. All the tests and consultancy are done as per the relevant IS codes by trained faculty members. Following are the services offered by the department

- Testing of building materials in the lab and on site.
- Geotechnical investigation like determination of soil properties, bearing capacity of soil required for design of foundation etc.
- Consultancy work like structural design of RCC and Steel structure by competent faculty members.

Expert lecture on "Planning and Methodology of Prestressed Structures for Flyover Bridges" was organized on 08/10/2018. Er. Pradeep Dahatonde, Team leader and Senior Highway Engineer in Lion Engineering Consultants, Mumbai, was delivered the lecture.



Lecture by Er. Pradeep Dahatonde

Alumnus Visit on 28th Jan 2019 organized by Civil Engineering Department. Mr. Subhamoy Rudra, General Manager, Reliance Industries, Navi Mumbai, (Alumnus of 1997 batch) visited the Institute.



Alumnus Mr.Subhamoy Rudra, Visited on 28 Jan 2019

(Signature)
PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



DEPARTMENT OF MECHANICAL ENGINEERING

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 and panel discussions are arranged by inviting eminent persons from reputed organizations. Almost all the eligible students of final year mechanical engineering are getting placed in 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.



I.C. Engine Lab

Name of Faculty	Qualification	Name of Faculty	Qualification
Dr. K.B.Kale (HOD)	M.E.Mech. Ph.D.	Prof. S.B.Kharde	M.Tech.Thermal Engg.
Dr. R.R.Navthar	M.E.Mech.Ph.D.	Prof. S.S.Gadhe	M.E.Mechanical
Prof. S.M.Magar	M.E.MechPh.D.*	Prof. K.S.Kadam	M.E.Mechanical
Prof. R.E. Kalhapure	M.E.Mechanical	Prof. M. A.Kadu	M.E.Mechanical
Shri. P. A.Narwade	M.Tech.Mech.Ph.D.*	Prof.S.S.Vyavahare	M.Tech.Mech.Ph.D*.
Prof. R.N.Zaware	M.E.Mechanical	Prof. Y.S.Pathare	M.E.Mechanical
Prof. C.R.Shah	M.E.Mechanical	Prof. P.G.Kohak	M.E.Mechanical
Shri. B.T.Tagad	M.E.Mechanical	Prof. S.K.Kadu	M.E.Mechanical
Prof. A.D.Kachare	M.E.Mechanical	Prof. V.H.Khemnar	M.Tech.Mechanical
Prof. D.B.Thange	M.E.Mechanical	Shri. R.A.Kandake	M.E.Mechanical
Shri. R.S.Waghmare	M.E.Mechanical	Prof. D.S.Ghorpade	M.E.Mechanical
Prof. K.M.Markad	M.E.Mech.,Ph.D.*	Prof. A.S.Aher	M.E.Mechanical
Shri. V.P.Patekar	M.E.Mechanical	Prof. S.C.Karwande	M.E.Mech.MBA
Prof. D.K.Nannaware	M.E.Mechanical	Prof. V.S.Sanap	M.E.Mech.*
Prof. S.G.Kotakar	M.E.Mechanical	Prof. T.A.Bora	M.E.Mechanical
Prof. M.S.Chopade	M.E.Mechanical	Prof. V.S.Dhawane	M.E.Instru.Ph.D.*
Prof. P.P.Rasal	M.E.Mech.	Prof. A.R.Laware	M.E.Instru.Ph.D.*
Prof. M.M.Bidwe	M.Tech.Prod.D.&Mfg.	Prof. R.A.Darandale	M.E.Instru.
Prof. A.V.Suryavanshi	M.E.Mechanical		*Pursuing

LABORATORIES:

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

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

POST GRADUATE COURSE:

Mechanical Engineering Department runs Post Graduate course in Design Engineering (ME-Design) with intake of 24 students. Well experienced visiting faculty is also appointed to impart practical as well as industrial knowledge to PG students in addition to the regular faculty members.

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
- 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

CONSULTANCY:

Department offers consultancy on Coordinate Measuring Machine (CMM) & inspection of various machine components, jigs & fixtures. Department also conducts training programmes on CNC Lathe & CMM machine. Department also provides consultancy on performance of different Bio-Diesel samples & also calibration of pressure & vacuum gauges. Testing of Centrifugal Pumps. Practicals of other Institutions on Steam Power Plant, Boiler

ACTIVITIES OF THE DEPARTMENT:

- Ten students in **IJTL technologies, Pune** and two students in **UBER** have been selected from the dept.
- **Two Days Workshop on Rapid Prototyping (FDM)** on 28-29 Sept 2018 by Mr. S. P. Rahane and delivered the fundamentals of Additive Manufacturing, Laminated Object Manufacturing, Stereo lithography, selective laser sintering.
- **Guest Lecture on Future Opportunities for Mechanical Engineering in Software Field** 02 January 2019 by Mr. Sagar Gaikwad explained various job openings available in software in USA, necessary qualifying examinations and information of SAP.
- **Guest Lecture on Job opportunities in overseas for Mechanical Engineering** on 20 August 2018 by Mr. Swapnil Lakariya discussed various job openings available in Katar, procedure to apply, nature of work and safety norms followed by oil and gas industry.
- **Guest Lecture on-Guidelines for GATE exam** on 14 January 2019 by Mr. Sunil Ghule explained the importance of GATE exam for various job opportunities in PSU's, finest private companies like TECHNIP, L&T, TATA etc.
- **Seminar on Career Opportunities in Research & Development Sector** on 06 February 2019 by Mr Devidas Dhobale explained various product design considerations and its phases, requirements, learning opportunities in R&D professionals and the global scenario of ER&D sub-sector.
- **Seminar on Energy Crisis: Role of Energy Management** on 19 September 2018 by Dr. Aneesh C Gangal explained the relation of Energy and Environment, present scenario of energy and its necessity, important role of renewable energy and its sources.

CAREER OPPORTUNITIES:

After graduation student can join, service sector, manufacturing sector, power sector, different state & central government institution. The student can opt for higher studies such as MBA, ME/ M-Tech. The student can also start own venture if have entrepreneur qualities.



Seminar Report of –Career Opportunities in Research & Development Sector



Two Days Workshop on Rapid Prototyping (FDM)

[Signature]
Principal
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Introduction: The Department is established in 1983 and converted to E & TC in 2007-2008 and has been in continuous excellence and grading with today's highly technological scenario, which is the educational corporate trend. Since then, it facilitates animation and graphics for the latest engineering subjects like: Embedded systems, VLSI, Advanced digital signal processing, Microwave and Nano technology with efficient and effective utilization of all well equipped laboratories. The Department has encouraged to develop the consistent quality of students to give the potentially visualization of each ones strength with good academic results, selection of students in competitive examinations like GATE, GRE, TOFEL etc. The aim of Department is to attain the global competitive standards of knowledge, wisdom and consciousness related to Electronics & Telecommunication.



Guidance by Prof. M.N. Satarkar "State Level Project Competition & Poster Presentation"

Name of Faculty	Qualification	Name of Faculty	Qualification
Dr. A.K. Patil (HOD)	Ph.D Electronics	Prof. S. J. Wamane	M. E. (VLSI&EMD)
Prof. S.S. Magar	M.E. Electronics, Ph.D*	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	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. Godge	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

LABORATORIES IN DEPARTMENT:

- Advanced Communication Lab
- Digital Electronics Lab
- PCB & Project Lab
- Power Electronics & Measurement lab
- VLSI Design Lab • Computer Lab I
- Computer Lab II
- Micro wave & Optical Communication Lab
- Micro controller Lab • Basic Electronics Lab

Major Equipments

- Microwave Test Benches (Klystron & Gunn Diode as Source)
- Optical Time Domain Reflectometer
- Spectrum Analyzer & Tracking Generator 9KHz to 2.7KHz
- Antenna Trainer with Radiation pattern plotting software
- CDMA Trainer • Digital storage Oscilloscope 100 MHz
- 3 Phase VS (Voltage Source Inverter) • Power Scope
- 50 MHz Dual Trace Oscilloscope
- 30 MHz Analog Cum Digital Storage Oscilloscope
- AM-FM Signal Generator • FPGA Trainer
- CPLD Trainer • ARM-7 & ARM-9 Trainer



Printed circuit board (PCB) and Project Lab



Alumni of E&Tc Y. Vishwanath from National Institute of Smart Governance (NISG), Hyderabad Visited on the occasion of Engineer's week.

U. Shinde
Dr. Vithalrao Vikhe Patil
College of Engineering

Student Achievements & Publications:

- Ms. Shaikh Tehsian, "Received 1st Prize in Badminton, "Padmashri Trophy 2k19" Competition held at DVVPCOE Ahmednagar on January 2019.
- Ms. Dongare Dipali, "Received 1st Prize in Kho-Kho, "Padmashri Trophy 2k19" Competition held at DVVPCOE Ahmednagar on January 2019.
- Mr. Pawar Amol, "Received 1st Prize in Volley Ball Competition "PAROKSHA 2K19" held at G H Raison College of Engineering & Management, Ahmednagar on February 2019.
- Ms. Ankita M Pawar, "Received 1st Prize in Cricket, "Padmashri Trophy 2k19" Competition held at DVVPCOE Ahmednagar on January 2019.
- Mr. Sandesh Kale, "Received 2nd Rank in "Multisim Simulation" held at DVVPCOE Ahmednagar
- Mr. Vikas Kumar Rai, "Received 1st Rank in "TRANSFO-TECH2K15" National Level Technical event, debate Competition held at Shri Saibaba Institute of Engineering Research & Allied Sciences, Rahata.
- Mr. Vikas Kumar Rai, "Received 2nd Rank in "Entrepreneurship Development Cell (Quiz Competition)" held at DVVPCOE Ahmednagar.



Vandana Rasconda receiving Prize for Academic Topper

ACTIVITIES OF THE DEPARTMENT:

- Technocraze 2k19(Project & Poster Competition) organised on 12th Jan.2019
- Two days workshop on "Applications of Android & IOT" on 23rd & 24th Aug. 2018 by Er. Akash Dane & Er. Aniket Bhalerao.
- Expert lecture on "Opportunities in Cyber crime & Robotics" on 8th Jan.2019 by Mr.Saurabh Onkar.
- Expert lecture on "Red Hat Linux" on 13th Feb.2019 by Er.Ashutosh Athawale & Er. Tushar Suryawanshi.
- Expert lecture on "IGRT & Skill development with AAEE" on 16th Oct.2018 by Mr. Mukund Deshmukh.
- Expert lecture on "e-Governance" on 21st Sept. 2018 by Er. Yamanendra Vishwanath.
- Expert lecture on "Guidance on Career Opportunities" by Mr. Monshul Tyagi on 20th July 2018.
- Expert lecture on "Model Based Development in Automotive Industries" on 2nd April 2018 by Er. Dhananjay Bangar.

CAREER OPPORTUNITIES: Some of the Government sector and Companies for Electronics & Telecommunication Engineering are DRDO, BSNL, BEL, BHEL, C-DAC, Doordarshan, ISRO, TBRL, Pollution Control Boards, Environment Monitoring Divisions, IT Industries, Infosys, CMS-IT etc.



Media Appreciation



Lecture by Er. Aniket Bhalerao on "Applications of Android and IOT" Synapse system, Pune



Industrial visit at Infinity solution, Pune



Workshop on "Embedded system Aurdino & Internet of Things (IOT)" by Mr. Akash Dane & Mr. Sumedh Saptarshree(Alumni)



Project Competition



Poster Presentation Competition

PRINCIPAL
Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



DEPARTMENT OF ELECTRICAL ENGINEERING

Introduction

The department has established itself as one of the most disciplined & vibrant department with starting year 1999. In this 19 year of experience we produced quality engineering professionals working in various fields in India & abroad.

We proud to mention here that with the help of all modern teaching method & advanced laboratory facilities Electrical Engineering Department has given four Rank holders to Savitribai Phule Pune University, Pune (SPPU). This reflects the continuous effort of our academic, technical & administrative staff in our day to day task.

The Curriculum of SPPU Pune goes through regular revision for incorporating new developments to impart the course contents. We are also providing industrial exposure & practical knowledge to the students by regular industrial visits & internship program in every semester which helps in their placements. Through various seminars & guest lectures our students are being prepared for higher education in India & abroad. The Electrical Engineering Students Association (EESA) is also very active by which students are managing many technical & non-technical events to enhance their ability in leadership, technical expertise & event management.

I feel blessed & proud on being Head of Department & thanks to all my faculties & supporting staff for giving me generous, supportive & positive energy like electricity.



Power Electronics and ADE Lab

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

* Pursuing

LIST OF LABORATORIES

Laboratories in department are being continuously upgraded to add new equipments so as to create research facilities for students as well as staff. The Department has following well equipped Laboratories

- Machine lab. I & II
- Measurement lab
- Analog & Digital lab
- CS+NA+PLC lab
- High voltage lab
- Computer lab
- Basic Electrical lab
- Power system lab
- Power electronics and IDC lab
- Switchgear and protection lab
- Microprocessor lab
- Testing Laboratories

Major equipments

- 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

- ACH.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.

(Signature)

Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



Research publications of the department/ Institution wise faculty/ student's year wise.

- Prof. G. B. Murade published paper in International Journal Of Science and Research (IJSR), "Solar powered forest fire detection by using Arduino and Zigbee wireless sensor network" ISSN-2319-7064, Volume 8 Issue 4 April 2019.
- Prof M. H. Nerkar published paper in International Journal Of Science and Research (IJSR), "Reactive power control by using thyristor switch capacitor and thyristor controlled reactor in FACTS" ISSN-2319-7064, Volume 8 Issue 4 April 2019.
- Prof. P. U. Raut published paper in International Journal for Scientific Research & Development (IJSRD) , " Speed control of PMSM by using SVPWM techniques" ISSN(online) – 2321-0613, Vol-05, Issue 05, 2018.
- Prof. P. U. Raut published paper in International Journal on Electronics, Electrical and Computational System IJECS, "Review on speed control of PMSM by using SVPWM techniques" ISSN – 2348-117X, Vol-06, Issue 7, July 2018.
- Prof. P. U. Raut presented paper in International Conference on IETE, Delhi. 16th July 2017 of title, "Speed control of PMSM by using SVPWM techniques by MATLAB/Simulink."
- Prof. P. U. Raut presented paper in IEEE-International conference on knowledge discovery in science and technology-ICKDST-2018 of title, "Variable drive speed control by using special switching technology of SVPWM by MATLAB/ Simulink."
- Prof. P. U. Raut presented paper "PMSM motor control by SVPWM control technique" in Conference "Recent technologies in power system"-2018 SND Yeola.

Student Achievements & Publications:

- 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 & Transformation" on 5th & 6th Oct 2019
- Team Mr. Roshan K. Bhangale, Mr. Ganesh D. Gawali, Mr. Rushikesh A. Bairagi Received Best Project Award Under The Engineers Factory, South Korea on 30th January 2019.
- Mr. Krushna Taktode, Mr. Ganesh Rojarkar, Mr. Bhagwan Raut, published paper in International Journal Of Science and Research (IJSR), "Reactive power control by using thyristor switch capacitor and thyristor controlled reactor in FACTS" ISSN-2319-7064, Volume 8 Issue 4 April 2019.
- Shraddha Bolli, Prajakta Borude, Pratiksha Kapse published paper in International Journal Of Science and Research (IJSR), "Solar powered forest fire detection by using Arduino and Zigbee wireless sensor network" ISSN-2319-7064, Volume 8 Issue 4 April 2019.
- Mr. Roshan K. Bhangale, Mr. Ganesh D. Gawali, Mr. Rushikesh A. Bairagi published Research Paper in "International Organization of Scientific Research", on "Current Trends in High Voltage Products & Overlook in Transmission Capacity After 5 Years", ISSN- 2250 – 3021, on 23rd Feb 2019



Media Appreciation to Student of Electrical Department



Mr. Roshan K. Bhangale "Best Research paper Award" Receiving Form National Conference



Team Roshan K. Bhangale "Best Project award" Received Engineer Factory, South Korea



Two days workshop on "Hands on training in design Manufacturing and testing of 3-phase transformer and Induction Motor." By Er. Nachiket Kulkarni.



International PPT competition, IET-PATW-2019-20 organized by Electrical Engineering Dept at Institute and District levels.

DEPARTMENT OF INFORMATION TECHNOLOGY

Introduction : Department of Information Technology was established in 2001 with an intake of 60 students. The aim of the department is to establish a state of the art knowledge center in Information Technology Research which produces engineers imbued with the spirit of professionalism & responsible citizenship. The department has well equipped laboratories, highly qualified & experienced & devoted team of teaching faculty members. Conducive learning environment exists in the department for both students and staff. High quality technical education keeping in mind the industrial requirement is provided to the students in the areas of Information Technology in order to meet the challenges of the industries. The department caters to the needs of Information Technology sector by imparting a requisite knowledge to the students, in the field of software development, Information Technology and Software Testing, Software Engineering, Computer Networks, Mobile Computing and many advance topics. Since the inception, the department has made tremendous progress in terms of good academic result and student placement in software industries and also in staff development. The various curricular and co-curricular are being conducted through Information Technology Engineering Students Association (ITESA) and The Institution of Engineers (India) Students' Chapter.



Network Lab

Our Strengths – Information Technology

- Persistent Infrastructure Development
- Effective Teaching & Learning Process
- Excellent Departmental Library
- IEI and CSI Student Professional Bodies
- Conducive environment for Academic Excellence
- Full Fledged Software Support
- Active Placement assistance
- Subscription to Online Journals
- Strong Alumni Association

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

Laboratories

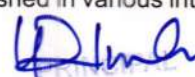
- Project Lab • Operating System Lab • Programming Lab • Information System Lab
- Network Lab • Microprocessor Lab • Language Lab • Software Engineering Lab

Workshops / Seminar / Expert Lectures / Conference Organized by the Department:

- Four days State Level Workshop on Internet of Things (IoT) was organized by the department in association with The Institution of Engineers (India) for third year and final year students and staffs on 06th-09th February 2019
- A expert lecture on "Current IT Industry Scenario" by Mr. Nayub Tamboli (alumni 2008 batch), Senior Software Analyst, EATON Technology, Pune for TE & BE IT students on 9th Feb 2019.
- A expert lecture on "Technical Aptitude" by Mr. Adinath Giri, Managing Director, TechHUB System, Pune TE & BE IT students on 23rd February 2019.
- A expert lecture on "IT Engineering Jobs and Interview Skills" by Mr. Kisan Kand (alumni 2010 batch), Senior Software Developer, TSYS Merchant Pune for SE, TE & BE IT students on 29th September 2018.
- A expert lecture on "How to Prepare for Competitive Exams" by Mr. Abhishek Gayke, Director, i-Learn Institute, Ahmednagar was conducted for BE IT on 18th September 2018.

Faculty Publications:

- Research activities at the department are progressing in the areas of artificial intelligence, machine learning, image processing, embedded system, algorithm analysis, neural networks, data structures, multimedia systems and computer networks. About 50 research papers have been published in various international and national conferences/journals in the last few years


Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



- Prof. D. A. Vidhate (2018) "Cooperative Multi-Agent Joint Action Learning Algorithm (CMJAL) for Decision Making in Retail Shop Application", International Journal of Agent Technologies and Systems (IJATS), IGI Global, Volume 9, Issue 1, pp 1-19.
- Prof. D.A. Vidhate (2018) "Expertise Based Cooperative Reinforcement Learning Methods (ECRLM) for Dynamic Decision Making in Retail Shop Application", International Conference on Information and Communication Technology for Intelligent Systems, Springer Book Series, pp 350-360



A expert lecture on "Web Technology" by
Mr. Vinod Kachare MD, Kalpana
Gauri Infotech, Nashik



A expert lecture on "How to Prepare for
Competitive Exams" by Mr. Abhishek Gayke,
Director, i-Learn Institute



A expert lecture on "Employability Test
Preparation" by Mr. Ankur Shrivastava,
Sr. Manager, AMCAT



A expert lecture on "IoT and Embedded
Systems" by Mr. Akash Dane, Managing
Director, Synapse Systems



A expert lecture on "IT Engineering Jobs
and Interview Skills" by Mr. Kisan Kand
Senior Software Developer, TSYS



Four Days State Level workshop on
"Internet of Things (IoT)"

Students' Achievements: (Students Academic Activities)

- Ashwini Thorat (T.E.I.T.) have won Second Prize in Four into Four hundred meter relay of Inter-Zonal Sports held at Meenatai Thakare Stadium, Nashik on 11th-13th Oct. 2018.
- Ashwin Gundecha & Himanshu Yeolekar (T.E.I.T.) have won Second Prize in Technical Paper Presentation Competition for students on the theme "Digital Transformation: A New Industrial Revolution" organized by The Institution of Engineers (India), Ahmednagar Local Centre on the occasion of Engineers' Day on 15th September 2018.
- Shivraj Saude & Shifa Shaikh (B.E.I.T.) have won Consolation Prize in Technical Paper Presentation Competition for students on the theme "Digital Transformation: A New Industrial Revolution" organized by The Institution of Engineers (India), Ahmednagar Local Centre on the occasion of Engineers' Day on 15th September 2018.

Staff Achievements:

- Prof. D. A. Vidhate, HOD IT has felicitated by the auspicious hands of Hon'ble Er. Rahul Dwivedi, IAS, District Collector, Ahmednagar and Commissioner of Ahmednagar Municipal Corporation for receiving Best Faculty of the Year award on the occasion of Engineers' Day on 15th September 2018.



Campus Placements 2018-19

Infosys, Pune	- Ankita Mutha, Nalawade Pradnya, Prashant Jamdar
CMS IT Services, Pune	- Shubhangi Tarte, Muskan Inamdar, Saurabh Waghmare, Chetana Thadani, Akshay Thorat, Anuja Galkwad
Techrel Infotech, Pune	- Pooja Shekade, Mahesh Tupsaundar
AMCAT Softwares, Pune	- Ashish Mate, Amitkumar Jha
Krawler Info System, Pune	- Rohini Khedkar, Vishal Padge

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. Mrs. S.S.Dhawane	BE (Chemical), MBA	Prof. Ms. J.A.Khubchandani	M.Sc (Mathematics)
Prof. C.T.Hajare	M.Sc. (Chemistry)		

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 Swachhata 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



Swachhata Abhiyan at college campus



National unity day poster presentation



Gaust lecture "Roll of young generation in village development"



Winter Camp at Jakhangaoon
8 Jan to 14 Jan 2019

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.

Signature

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

Annual Social Gathering 2019

Prize Distribution Ceremony



Felicitation of Guest Myuresh Pimplakar
(E&TC Alumini)

Cultural Events



Address By Hon. Shri Vasantao
Kapare (Trustee)



V. D. D. D.
PRINCIPAL
Dr. Vitthalrao Vikhe Patil
College of Engineering
Ahmednagar



Graduation Ceremony



Chief Guest: Hon. Mr. Lalit Pawar,
O.S.D., Online Exam SPPU Pune

Board of Students Welfare



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)

Principal
Dr. Vithalrao Vikhe Patil
College of Engineering
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.

Vadgaon Gupta, (Vilad Ghat) Post : MIDC, Ahmednagar - 414 111

Ph : (0241) 2777296, 2779496. Fax : (0241) 27775333.

Email : principal@enggnagar.com * Website : www.enggnagar.org