

Dr. Vithalrao Vikhe Patil Foundation's



Dr. Vithalrao Vikhe Patil Foundation's  
Ahmednagar

# Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar



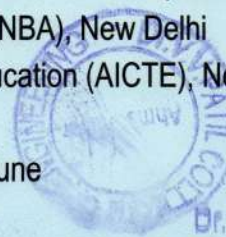
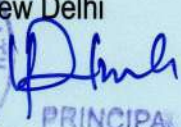
Civil ■ Mechanical ■ Electronics & Telecommunication ■ Electrical ■ Information Technology



## PROSPECTUS



- \* 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

  
  
PRINCIPAL  
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Ahmednagar

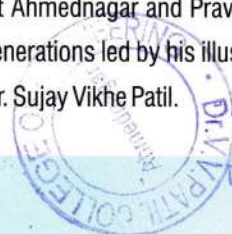


## *Our source of inspiration and motivation*



**DR. VITHALRAO VIKHE PATIL**  
(Padmashree Awardee)

A legendary in the history of co-operative enterprise in the country, and humble farmer by birth, pioneered co-operative movement as a tool for 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 a prospective purposeful life. He was awarded Padmashree, the distinguished title in appreciation of his life time work with cooperative movement at the hands of the First President of India, Late Dr. Rajendra Prasad in 1961. He was felicitated 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 fulfillments 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 the subsequent generations 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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## *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 for its outstanding performance in the field of technical education and Post Graduate Courses in Civil Engineering & Mechanical Engineering. Choosing a college is 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 athletic 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. Members 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 an 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.

**Hon'ble Shri. Radhakrishna Vikhe Patil**  
Chairman, Dr. Vithalrao Vikhe Patil Foundation, Ahmednagar.  
Leader of Opposition, Legislative Assembly,  
Government of Maharashtra.



## *Our source of Inspiration*

A trail blazer 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 )

Ex-MP & Ex-Minister of Heavy Industries & Public Enterprises,  
Government of India.



*Dr. Vithalrao Vikhe Patil*  
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## *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, 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 are 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 centres 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.

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**Dr. Sujoy Vikhe Patil**, M.Ch. (Neurosurgery)  
Chief Executive Officer,  
Dr. Vithalrao Vikhe Patil Foundation, 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.

  
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**Dr. Jayakumar Jayaraman**  
Ph.D,M.E.(Mech.),FIE,MISTE,FISME,LMPMAI  
Principal





**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-Excellent citizens who will keep abreast with the 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 missions and goals. The students engross themselves enthusiastically and actively in the teaching - learning process and research work and gain knowledge before they venture into the professional world. This facilitates all round growth of students.





## 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
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### Undergraduate Courses from 1<sup>st</sup> Year

Civil Engineering	60	516119110
Mechanical Engineering	120	516161210
Electronics & Telecommunication Engineering	60	516137210
Electrical Engineering	60	516129310
Information Technology	60	516124610

### Undergraduate Courses from 2<sup>nd</sup> Year

Direct Second Year Civil Engineering	60	516119180
Direct Second Year Mechanical Engineering	60	516161230

### Postgraduate Courses

Civil - Structural Engineering	24	516121210
Mechanical - Design Engineering	24	516160110
Ph.D. Research Centre - (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 Recognised 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 2018 or JEE Main Paper conducted by the Competent Authority.

### (B) For Direct Second Year Engineering (S.E.)\*

Candidate must be an Indian National and must have passed (Post SSC or Post HSC) Diploma Course in Engineering and Technology with at least 45 % marks (40 % marks in case of candidates of backward class categories and Pesons with Disability belonging to Maharashtra State only) in appropriate branch of Engineering and Technology from an AICTE or Central or State Government approved Institution or its equivalent with English as the Medium of Instruction at Diploma level.

**OR**

Candidate must be an Indian National and must have passed B.Sc Degree from a University Grants Commission (UGC) or Association of Indian Universities recognized University with at least 45% marks (40% in case of candidates of Backward class categories and Person with Disability belonging to Maharashtra State only) and passed HSC with Mathematics as a subject with English as the medium of instruction at B.Sc. level. Provided that students belonging to this category shall clear the subjects of Engineering Graphics / Engineering Drawing and Engineering Mechanics of the first year Engineering Program along with second year subjects.





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### ( C ) For Post Graduate Course (PG.)\*

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

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

**\*For more details & updates about Eligibility for Admission in FE, Direct Second Year & PG Courses in Engineering please refer DTE Website : [www.dte.org.in](http://www.dte.org.in)**

**FEE : Fee structure will be as prescribed by Shikshan Shulka 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 softwares.
- 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.
- 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.







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**HOSTELS :** To facilitate stay of students in campus the institute has two 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.

Boys' Hostel - A



Girls' Hostel - Kaveri



Boys' Hostel - B



**GYMKHANA & SPORTS FACILITIES :** The institute has playgrounds for 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.



**HEALTH CENTRE :** 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.



**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. Karwande S.C

### OUR PROMINENT RECRUITERS

WIPRO Applying Thought	accenture High performance. Delivered.	Höganäs	torrent POWER
BOSCH	UNIVERSAL ELECTRIC	ORACLE	Tech Mahindra IT Services and Telecom Solutions
TATA TELESERVICES LIMITED	NSM	ERGON ENERGY	ISMT LIMITED Solutions You Can Trust
SYNTEL	patni	Wipro BPO Winning by Applying Thought	ZMI ZEPPELIN MOBILE SYSTEMS
Cognizant	KPIT Cummins	CMC Limited Your IT Partner	and many more...!

**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.

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### **RAGGING FREE ENVIRONMENT**

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. Hahnor (9860756322).

# **WARNING**

**Ragging is a CRIME**





# 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

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, Nimbalk and Vilad)

Sr No.	Specialization	Min. Qualification	Sector	Sanctioned Intake
01	Building Automation	Diploma Mech/Civil/Industrial/Instru/EC/EE	Instrumentation	25
02	Telecom Embedded Hardware Developer	Diploma EC/CS	Telecom	25
03	Junior Engineer Power Distribution	Diploma Electrical	Power	25
04	IT Coordinator in School	Diploma EC/CS/IT/EE	Electronics	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 :

1. Encourage the institutions for making the best use of available infrastructure of higher education system during off hours for skill training.
2. 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.
3. Provide for up-gradation and certification of traditional/acquired skills of the learners irrespective of their age.
4. Provide opportunities for community-based life-long learning by offering courses of general interest to the community for personal development and interest.
5. Offer bridge courses to certificate holder of general/ vocational education, so as to bring them at par with appropriate NSQF level.
6. Provide entrepreneurial orientation along with required skills, trained for self-employment and entrepreneurship development.
7. Provide Post Placement support, Tracking and Monitoring.

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Principal  
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Prof. D. A. Vidhate, HOD, IT receiving "Best Faculty of the Year" Award

## FACULTY ACHIEVEMENTS :

- Prof. J. Jayakumar, Dept. of Mechanical Engg, has been awarded Ph.D degree in Mechanical Engineering by Annamalai University, Tamilnadu.
- Prof. R. R. Navthar, Dept. of Mechanical Engg., has been awarded Ph.D degree in Mechanical Engineering by North Maharashtra University.
- Prof. A. K. Patil, Dept. of E&Tc Engg., has been awarded Ph.D degree in E&Tc Engineering by North Maharashtra University.
- Prof. D. A. Vidhate, HOD IT has received Best Faculty of the Year award from Computer Society of India (CSI) Mumbai Chapter at Indian Institute of Technology, (IIT) Mumbai.

- Dr. R. R. Navthar, Dept. of Mechanical Engg., has been granted financial assistance of Rs.1.95 Lakh from BCUD, University of Pune for his research work.
- Prof. M. P. Wagh, Dept. of Civill Engg., has been granted financial assistance of Rs.1.5 Lakh from BCUD, University of Pune for his research work.
- Total 26 Research proposals of 85 Lakh are submitted to BCUD, University of Pune. Civil-04, Mech.-07, E&Tc-06, Elect.-05, IT-03, Chem.-01
- Total 4 Research proposals of 79 Lakh are submitted to AICTE.
- Faculty Pursuing Ph.D : Prof. U. R. Kawade, Prof. M. P. Wagh, Prof. P. B. Autade, Prof. S. M. Magar, Prof. S. A. Markad, Prof. D. A. Vidhate, Prof. S. K. Shaikh, Prof. S.S. Magar, Prof. V. G. Kale, Prof. T. N. Pawase, Prof. R. E. Kalhapure, Prof. S. S. Desai.

## STUDENT'S ACHIEVEMENTS:

1. Mr. Shubham S. Gaikwad, from Electrical Department Awarded by best research paper in the National conference " modern trends and relevant issues in sugar co-generation system" on 7/10/2017 at Baramati, Held by BCUD pune University.
2. Total 6 groups of Students from Mechanical & IT Department were selected for "Smart India Hacathon 2018".
3. Miss Kalyani Bamgale and Mrs Sudarshan Borkar have presented a paper in technical paper presentation competition for students on the theme of "role of engineers in developing India" organized on the occasion of 50<sup>th</sup> engineers day and have secured 3<sup>rd</sup> prize.



Mechanical students selected as RTO Inspector through MPSC. 2018.



E&Tc, Electrical & Mechanical total 75 students Placed in Sanjay Technoplast Pvt Ltd Ranjangaon ,2018

4. Bhakti Darandale, Sayli Bhujbal, Kiran Bhore from E&Tc Dept. second winner in Project Competition at PARAS 2017 at Parikrama college of Engineering Kashti.
5. Mr. Swapnil Khamkar from Civil Department published a novel "8<sup>th</sup> the game is on"
6. Total 34 students are placed from E&Tc Dept. in various companies.
7. Total 45 Students from Mechanical Department are placed in various companies.
8. Total 54 Students from E&Tc Department participated in State Level Conference "Technovision -2K18" at DVVPCOE A.nagar.



## DEPARTMENT OF CIVIL ENGINEERING

Department of Civil Engineering is the oldest department in the Institute established in the year 1983. Civil Engineers are in great demand due to increasing need of the development of infrastructure facilities like buildings, communication and transportation facilities such as Highways, Bridges, Railways, Airports, Irrigation and Canals, Tunnels and Dams, Water Treatment and Pollution Control and also for creating various infrastructural facilities. Civil Engineers are responsible to maintain the speed of development of required infrastructure as the country's economic growth speeds up. Hence there is a great demand for civil engineers in the country as well as abroad. The department has well developed infrastructure



Launching of suspense Novel "8 The Game Is On" by Hon'ble C.E.O. Dr. Sujay Vikhe Patil.  
writer : Mr. Swapni Khamkar (B.E.Civil)

and laboratories, comprehensive computer and internet facilities. Apart from central library department has a separate library with good collection of Books, learning tools such as Video Cassettes, Transparencies, Charts and CD's.

Name of Faculty	Qualification	Name of Faculty	Qualification
Prof. U. R. Kawade	ME (Civil - Stru. Engg.) Ph. D. *	Prof. V. A. Yeole	M.E (Civil-Stru.Engg.)
Dr. S. L. Hake	M.E (Civil) Ph.D (Civil Structure)	Prof. A. H. Shirke	M.E (Civil-Stru. Engg.)
Dr. A. J. Shirke	M.Sc (Geology) Ph.D	Prof. D. S. Patare	M.E (Civil-Stru. Engg.)
Prof. M. P. Wagh	M.E.(Civil-Env.Engg) Ph.D *	Prof. S. L. Asava	M.E.(Civil-Env.Engg)
Prof. V. R. Kulkarni	M.E.(Civil-Env. Engg)	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. D. 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.)		

\* Pursuing



Dr. N. J. Pawar, Ex-Vice Chancellor of Shivaji University addressing during two days state level seminar on "Recent Advances of Project Management Softwares In Civil Engineering"

### POST GRADUATE COURSE :

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

### DIRECT SECOND YEAR :

Direct second Year division has started with an intake of 60 from the academic year 2012-2013



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





Dr. Vithalrao Vikhe Patil Foundation's

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**TESTING AND CONSULTANCY :** The laboratories in the department are well equipped and department offers testing and consultancy services to Government and Non-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 foundations etc
- Consultancy work like structural design of RCC and Steel structures by competent faculty members.

### MAJOR EQUIPMENTS :

- Computerized Universal Testing Machine (100 T)
- Compression Testing Machine
- Torsion Testing Machine
- Concrete Permeability Testing Machine
- Concrete Ultrasonic Testing Machine
- Standard Penetration Test Apparatus
- Marshall Stability Testing Machine
- Ductility Testing Machine
- Field California Bearing Ratio Test Apparatus
- Los-Angeles Abrasion Testing Machine
- Wind Tunnel • Tilting Flume

### ACHIEVEMENTS OF THE DEPARTMENT :

- Prof. M. P. Wagh published paper in International Journal of Engineering Research and General Science on topic "Application of Chitosan powder to enhance the properties of distillery spent wash"
- Prof. Sandeep L. Hake published paper in International Research Journal of engineering and technology (IRJET) on topic Application of "Analysis of unsymmetrical building resting on sloping ground by dividing in 2D frame"
- Prof. Sandeep L. Hake published paper in International Research Journal of engineering and technology (IRJET) on topic Application of "State of Art- Lime added geopolymer concrete"
- Prof. Piyush Bhandari, Prof. Ayan Sengupta, Prof. Nana Mulik published paper in International International Journal of Advance Research in Science and Engineering, on topic "GRIHA rating for existing Buildings"
- Prof. Shirke Ankush J published paper in National conference on Multidisciplinary Research in Geo Environmental Studies for Sustainable Development (MRGESSD-2017) on topic "Site suitability Analysis using GIS and Remote Sensing"
- Prof. Autade P. B published paper in International Journal of Research Publications in Engineering & Technology on topic "To study effect of bond strength with provided effective development length in concrete structure"
- Prof. Bhimmaji D. Kanawade published paper in International Journal of Advance research in science and engineering (IJARSE) on topic "Advanced NDT methods for evaluation of bridges"
- Prof. P. A. Salunkhe published paper in International Journal for Science And Research In Technology (IJSART) on topic "Effect of Partial Replacement of Cement and Sand With Silica Fume and Copper Slag in Mortar"
- Prof. Kaluram S. Langhe published paper International Journal for Scientific Research & Development on topic "Analysis of Cantilever Reinforced Concrete Chimney with Variation in Geometry"
- Department has organized Two Days State level Seminar on "Recent Advances of Project Management Software's in Civil Engineering" (RAPMSCE-2018) on 23<sup>rd</sup> and 24<sup>th</sup> February 2016,
- Miss Kalyani Bamgale and Mr. Sudarshan Borkar have presented a paper in technical paper presentation competition for students on the theme of "role of engineers in developing India" organized on the occasion of 50<sup>th</sup> engineers day and have secured 3<sup>rd</sup> prize
- Mr. Badade Suraj has qualified GATE2018. ➤ Mr. Swapnil Khamkar published a novel "8<sup>th</sup> the game is on"

**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.



Fluid Mechanics Lab

- Testing of Materials Lab
- Geotechnical Engineering Lab
- Computer Laboratory 1
- Environmental Engineering Lab
- Engineering Geology Lab
- Surveying Lab
- Transportation Engineering Lab
- Computer Laboratory 2
- Fluid Mechanics Lab
- Engineering Mechanics Lab
- Structural Engineering Lab
- P. G. Computer Lab

**CAREER OPPORTUNITIES :** The Civil Engineers are now in great demand because of the need to develop infrastructural facilities in India to keep pace with economic development of the country and abroad. Our major recruiters are Govt. Departments like P.W.D., Irrigation, Water Supply, Railways, and Airport Authority etc. and in public sector & private construction companies like TATA, L&T, Gaman India, B.G. Shirke, HCC, Ashoka Group etc.

They may also be self employed in the field of construction & consultancy in Structural Design, planning, remote sensing & all other fields of civil engineering. Moreover engineering graduate have ample chance of entering into IAS, IFS, MES and other competitive examinations.





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### DEPARTMENT OF MECHANICAL ENGINEERING

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, expert 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.



workshop on  
**"Recent Advances in Automobile Engineering" (18-19 Feb. 2018)**

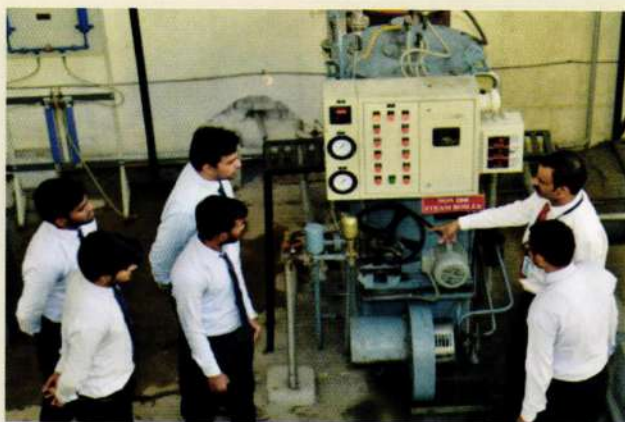
Name of Faculty	Qualification	Name of Faculty	Qualification
Prof. Dr. K. B. Kale (HOD)	M.E. Mech. Ph.D.	Prof. S. B. Kharde	M. Tech. Thermal Engg.
Prof. Dr. R. R. Navthar	M.E. Mech. Ph.D.	Prof. Ms. S. S. Gadhe	M.E. Mechanical
Prof. S. M. Magar	M.E. Mech. Ph.D.*	Prof. Ms. K. S. Kadam	M.E. Mechanical
Prof. R. E. Kalhapure	M.E. Mechanical	Prof. M. A. Kadu	M.E. Mechanical
Prof. P. A. Narwade	M. Tech. Mechanical	Prof. S. S. Vyavahare	M. Tech. Mechanical
Prof. R. N. Zaware	M.E. Mechanical	Prof. Y. S. Pathare	M.E. Mechanical
Prof. Ms. C. R. Shah	M.E. Mechanical	Prof. P. G. Kohak	M.E. Mechanical
Prof. B. T. Tagad	M.E. Mechanical	Prof. S. K. Kadu	M.E. Mechanical
Prof. A. D. Kachare	M.E. Mechanical	Prof. V. H. Khemnagar	M. Tech. Mechanical
Prof. D. B. Thange	M.E. Mechanical	Prof. R. A. Kandake	M.E. Mechanical
Prof. R. S. Waghmare	M.E. Mechanical	Prof. D. S. Ghorpade	M.E. Mechanical
Prof. K. M. Markad	M.E. Mechanical	Prof. A. S. Aher	M.E. Mechanical
Prof. V. P. Patekar	M.E. Mechanical	Prof. S. C. Karwande	M.E. Mech. MBA
Prof. D. K. Nannaware	M.E. Mechanical	Prof. Ms. V. S. Sanap	M.E. Mech.*
Prof. S. G. Kotakar	M.E. Mechanical	Prof. T. A. Bora	M.E. Mechanical
Prof. Mrs. M. S. Chopade	M.E. Mechanical	Prof. Ms. V. S. Dhawane	M.E. Instru. Ph.D.*
Prof. P. P. Rasal	M.E. Mechanical	Prof. A. R. Laware	M.E. Instru. Ph.D.3
Prof. M. M. Bidwe	M. Tech. Prod. D. & Mfg.	Prof. R. A. Darandale	M.E. Instru.
Prof. A. V. Suryavanshi	M.E. Mechanical		



*[Signature]*  
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Ahmednagar

\* Pursuing





Steam Lab - Trial on mini IBR Boiler for Mechanical Engineering Students

## MAJOR EQUIPMENTS :

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

## ACHIEVEMENTS OF THE DEPARTMENT :

- National conference on "Recent Advances in Automobile Engg". (RAAE-2018) was held on 19<sup>th</sup> and 20<sup>th</sup> February 2018.
- Seven students from the dept. has been selected as AMVI (R.T.O.) by MPSC.
- Poster and Project competition – Techno craze – 2018 was conducted on 9<sup>th</sup> and 10<sup>th</sup> January 2018.
- More than sixty students from final year are selected as Junior Trainee Engineer in various industries till date.
- A team 'VIJAYA' is selected for Smart India Hackathon 2018 for the theme 'Hardware edition for technology for rural development'.
- E-bike is being designed and manufactured at the institute.
- Aniket Kanore and Rahul Lokhande got first prize at zonal level Avishkar 2017, conducted by Savitribai Phule Pune University, Pune.
- Nitesh Gaidhani (football) and Omkar Kardile (basket ball) are selected for Zonal team for events conducted by Savitribai Phule Pune University, Pune.

## 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.

## LABORATORIES :

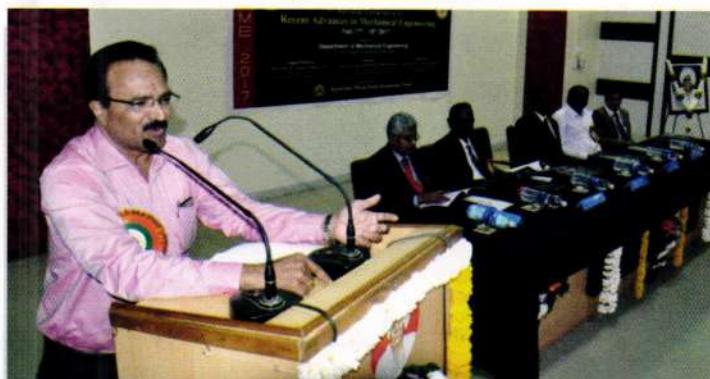
- |                                |  |
|--------------------------------|--|
| • Advance Material Science Lab | • Hydraulics & Pneumatics Lab          |
| • Basic Mechanical Engg. Lab   | • Internal combustion Engine Lab       |
| • CAD/CAM Lab                  | • Language Lab                     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

## 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.

## 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.



National conference on "Recent Advances in Mechanical Engineering",





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### DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

The Department was established in 1983 & converted to E&TC in 2007-2008 and has been in continuous excellence & grading with today's highly technological scenario, which is the educational – corporate trend. Since then, it facilities self explanatory animation and graphics for the latest engg. subjects like: Embedded System, VLSI, Advance Digital Signal Processing, Microwave, and Nanotechnology with efficient & effective utilization of all well equipped laboratories. The Dept. has encouraged to develop the consistent quality of students to give the potentially individualization of each one's strength with good academic results, selection of students in competitive examination like GATE ,GRE, TOEFL etc. The aim of the Dept. is to attain the global competitive standards of knowledge, wisdom & consciousness related to Electronics & Telecommunication.



**State level Conference "Technovision 2k18"**

Chief Guest : Ravi Sharma, CEO Epitom Components Pvt. Ltd. Ahmednagar

Name of Faculty	Qualification	Name of Faculty	Qualification
Prof. Dr. A. K. Patil	Ph. D Electronics	Prof. V. S. Khakal	M.E.(VLSI &EMD)
Prof. S. S. Magar	M.E. Electronics, Ph.D*	Prof. M. K. Musale	M.E.(VLSI & EMD)*
Prof. V. G. Kale	M.E. Electronics, Ph.D*	Prof. T. N. Pawase	M.E.(Microwave), Ph.D*
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. A. R. Landge	M.E.(VLSI & EMD)	Prof. P. S. Thorat	M.E.(VLSI &EMD)
Prof. S. R. Udawant	M.E.(VLSI & EMD)	Prof. A. S. Kapare	M.E.(VLSI &EMD)
Prof. C. K. Kalawade	M.E.(VLSI & EMD)	Prof. G. D. Londhe	M.E.(VLSI &EMD)
Prof. P. P. Bhalerao	M.E.(VLSI & EMD)	Prof. S. L. Nagare	M.E.(VLSI &EMD)
Prof. V. A. Dhawale	M.E.(VLSI & EMD)	Prof. A. R. Mane	M.E.(VLSI &EMD)
Prof. M. B. Avhad	M.E.(VLSI & EMD)	Prof. R. A. Godge	M.E.(Digital systems)
Prof. R. J. Lawande	M.E.(VLSI & EMD)	Prof. B. A. Pangavhane	M.E.(VLSI & EMD)
Prof. P. B. Varpe	M.E.(VLSI & EMD)	Prof. S.B.Gholap	M.E.(VLSI & EMD)
Prof. S. J. Wamane	M.E.(VLSI & EMD)		*Pursuing

#### LABORATORIES IN DEPARTMENT :

- Advanced Communication Lab
- Power Electronics & Measurement Lab
- Microwave & Optical communication Lab
- Basic Electronics Lab
- Digital Electronics Lab
- VLSI Design Lab
- Microcontroller Lab
- PCB& Project Lab
- Computer Lab - I
- Computer Lab - II



Printed circuit board (PCB) and Project Lab



## MAJOR EQUIPMENTS :

- Micro wave Test Benches • Optical Time Domain Reflectometers.
- Spectrum analyzer & Tracking Generator 9 KHz To 2.7 GHz
- Antenna Trainer with Radiation pattern plotting software
- CDMA Trainer • Digital storage Oscilloscope 100 MHz.
- 3 Phase VS • Power Scope • ARM-7&ARM-9 Trainer
- 50 MHz dual Trace Oscilloscope with passive probe set type.
- 30 MHz Analog cum Digital Storage Oscilloscope
- AM-FM Signal generator • FPGATrainer • CPLD Trainer

## ACHIEVEMENTS OF THE DEPARTMENT :

- E&Tc Department had done MOU'S with Infinity Automation Systems Pvt.Ltd, Tathawade, Pune and Varad Automation and Robotics Pvt.Ltd. MIDC Bhosari, Pune for training and placement of students.
- Department has organized Technical, Nontechnical Poster Presentation & Project Competition, 1<sup>st</sup> Dec. 2018.
- Department has organized Technovision- 2K18 State level conference E&TC Department with Guest Shri. Sharma Ravi, CEO Epitom Components pvt Ltd. Ahmednagar, 22<sup>nd</sup> Feb 2018.
- Dr. A. K. Patil invited as a Session chair for IEEE conference at Sangamner on 8<sup>th</sup> Feb.2018 and also worked as paper reviewer for same conference.
- Dr. A. K. Patil invited as a Session chair for National level Conference at Chhatrapati college of Engineering, Nepti, Ahmednagar on 21<sup>st</sup> Feb.2018.
- Dr. A. K. Patil invited as Session Chair for NCCT 2017, at Vishwabharti academy's college of engineering, 5<sup>th</sup> Jan 2017.
- Prof. N. M. Deshpande invited as a Judge for Debate Competition at DVVP Phamcy College, Ahmednagar, 16<sup>th</sup> Feb.2018.
- Prof. C. K. Kalawade participated in 3 days state level workshop "Development of Mechatronics systems using Arduino a project based Learning Approach", PICT, Pune, 18-20 August 2017.
- Prof. A. R. Mane attended Faculty oriented workshop, "Employability skills and Mini Project" at I2IT Pune.14-15 Dec. 2017.
- Prof. V. A. Dhawale attended Faculty Development Program, "Power electronics", BOS, SPPU Pune, 14-15 Dec. 2017.
- Department has organized Expert Lecture by Mr.Dhananjay Bangar (Asst. Manager e-infochip Pune), on "MATLAB & Simulink", 28<sup>th</sup> March 2018
- Department has organized Expert lecture on "Advancement of Embedded Systems" by Er. Nikhil Y. Bhume, Delta Embedded Systems Pvt .Ltd Pune, 29th July 2017.
- Department has organized Three Days Workshop on "Industrial Approach in Electronics" by Mr. Sanjay Choudhari, Electronics study center Nasik, 30<sup>th</sup> Aug 2017 to 1<sup>st</sup> Aug 2017.
- Department has organized Engineers Day Expert Lecture on "Advances in Nanotechnology" by Dr. Bharat Kale, Director C-met Pune 15 Sept. 2017.
- Department conducted "Group Discussion" on Department, 15<sup>th</sup> July 2017.
- "Quiz competition" organized in ETC department, on the occasion of Engineer's Day 15<sup>th</sup> Sept. 2017.
- Prof. V. S. Khakal attended 15 days workshop based on "MATLAB & Simulink", at SKN college of Engineering Pune, 4-16 December 2017, He also registered for ISTN life-membership.

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



Project competition in E&TC Department



Poster Competition in E&TC Department

## ELECTRONICS FOR SELF EMPLOYMENT :

- ♦ Repairing and maintenance of Electronics equipments and devices (from TV's to high electronics gadgets).
- ♦ Small Electronic industries for making Electronics components like resistors, capacitors and many others.
- ♦ Mobile repairing at chip level.
- ♦ Computer maintenance and repairing of software as well as hardware.
- ♦ PCB (Printed circuit Board) designing.
- ♦ Get expertise in Antenna designing including micro patch

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### DEPARTMENT OF ELECTRICAL ENGINEERING

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

All laboratories such as Machine Lab – I & II, Basic Engineering Lab, HV & Switch Gear Lab and a very essential & most important, Computer Lab are all 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 relevant latest equipments and machineries, computers and application software. All computers are net connected, SOFT WARE loaded such as MATLAB, Mi power, Dig Silent factory, Auto Grid pro, Psim etc. and open to students for their use.



Workshop on Transformer manufacturing by Er. Nachiket Kulkarni proprietor N-Kenin Transformer, Latur.

All the faculties having masters degree, 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 Electrical Engineering Students Association (EESA).

Name of Faculty	Qualification	Name of Faculty	Qualification
Prof. S. A Markad	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. (Instrumentation)
Prof. R. A. Wakale	B.E. (Electrical) ME*		

\* Pursuing

#### ACHIEVEMENTS OF THE DEPARTMENT :

- 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, 2017.
- 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 2017.
- Prof. P. U. Raut presented paper in International Conference on IETE, Delhi. 16<sup>th</sup> 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.



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Ahmednagar



## 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
- Basic Electrical lab.
- Measurement lab.
- Power system lab
- Analog & Digital lab
- Power electronics and IDC lab
- CS,NA,PLC lab
- Switchgear & protection lab
- High voltage lab
- Microprocessor lab
- Computer lab
- Electrical Testing Lab



Microprocessor and Microcontroller lab.

## TESTING AND CONSULTANCY :

Department of Electrical Engineering provides testing facilities such as transformer oil, Insulation, Soil Resistivity, Earth Resistant wires & Cables, etc.



Electrical Machines lab.

## 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
- 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 Impedence 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.

## STUDENT PUBLICATIONS :

- Mr.Shubham S. Gaikwad , "advancement in sugar co-generation system", International conference on 4th and 5th feb 2017 at Bangalore.
- Mr.Shubham S. Gaikwad, "sugar co-generation system one step towards green zone" PARAS-2017 national conference, First Prize, On 7& 8th September 2017 at Parikrama Technical campus, Kashti
- Mr. Shubham S. Gaikwad, Awarded by best research paper in the National conference " modern trends and relevant issues in sugar co-generation system" on 7/10/2017 at Baramati, Held by BCUD pune University.
- Mr. Roshan Bhangale, "Application of six sigma to reduce first time yield loss of power contactor" Presented paper in
- Mr. Harnekar Aadam I., "Automatic power factor correction by fine tuning of graded capacitor" Presented paper in IJARIT Dec-2017.
- Mr. Roshan Bhangale, "Application of six sigma" Presented paper in State level conference Technovision-2K18 at DVVP COE.
- Miss. Swati S. Dhumal " Solar Tree" Presented paper in State level conference Technovision-2K18 at DVVP COE.
- Miss. Komal S. Khilari " Solar Tree" Presented paper in State level conference Technovision-2K18 at DVVP COE.

## CAREER OPPORTUNITIES :

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, thrusted zone of Renewable Energy are regularly recruiting our engineering graduates.

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





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### DEPARTMENT OF INFORMATION TECHNOLOGY

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.



"Techno - MIT 2018" Project Competition 1'st winner, Maharashtra Institute of Technology, Aurangabad.



Two Days State Level Workshop on Machine Learning and Big Data

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.

*Principal*  
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Name of Faculty	Qualification	Name of Faculty	Qualification
Prof. D. A. Vidhate	M.E. (CSE-IT) Ph.D*	Prof. A. A. Pund	M.E. (CE)
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. (CE)
Prof. R. G. Raut	M.Tech. (IT)	Prof. Mrs. P. S. Gayke	M.Tech. (CSE)
Prof. G. M. Dahane	M. Tech. (Comp)	Prof. Ms. P. B. Chandgude	M.E. (CE)
Prof. Ms. S. S. Pophale	M.E. (CSE)	Prof. Mrs. K. K. Anarse	M.E. (CE)

\*Pursuing





Programming Lab

## LABORATORIES

- Project Lab
- Operating System Lab
- Information System Lab
- Programming Lab
- Network Lab
- Microprocessor Lab
- Data Mining Lab
- Software Engineering Lab

## ACHIEVEMENTS OF DEPARTMENT :

- Prof. D. A. Vidhate, HOD IT has received Best Faculty of the Year award from Computer Society of India (CSI) Mumbai Chapter at Indian Institute of Technology, (IIT) Mumbai.
- Prof. Ms. M. N. Kale has published a paper on "A Survey on User Identity Verification for Secure Login Session", in International Journal of Advanced Research in Computer Science and Software Engineering, Volume 7, Issue 3, March 2017.
- Prof. Ms. A.B. Bavane has published a paper on "Result Analysis from PDF File" in International Journal of Computer Science and Information Technology & Security, Vol.7, No.2, Mar-April 2017.
- Prof. R.G. Raut has published a paper on "A Secure Anti-collusion Data Sharing Scheme for Dynamic Group in Cloud", in International Journal of Computer Science and Information Technology & Security, Vol.7, No.2, Mar-April 2017.
- Prof. Ms. S. S. Pophale has published a paper on "Face Recognition for E-Attendance for Student and Staff " in IOSR Journal of Computer Engineering (IOSR-JCE) Volume 19, Issue 2, Ver.IV (Apr. 2017)
- Prof. A.A. Pund has published a paper on "Automatic Host based and Network Based Intrusion Detection System" in International Journal of Research in Advent Technology, Volume 5, No.4, April 2017.
- Prof. A.A. Pund has published a paper on "Classification System for Malware Identification and Detection" in International Journal of Advanced Research in Computer Science and Software Engineering Volume 7, Issue 3, March 2017.
- Prof. M.S. Gunjal has published a paper on "Online Hostel Management" in International Journal of Advanced Engineering & Science Research (IAES), Vol.5, Issue I, Mar- 2017.

## DEPARTMENT OF ENGINEERING SCIENCE

  
 Dr. Vithalrao Vikhe Patil  
 College of Engineering

Name of Faculty	Qualification	Name of Faculty	Qualification
Prof. Devkhile S. D, HOD	M.Sc (Mathematics)	Prof. Mrs. P. M. Jagtap	M.Sc (Mathematics)
Prof. Dr. S. J. Hahnor, HOD	M.Sc., Ph.D (Chemistry)	Prof. A. R. Dhawale	M.Sc (Physics)
Prof. Mrs. S. S. Desai, HOD	M.Sc., M.Phil. (Physics), Ph.D*	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)

N.S.S. Camp is organized every year by the institute in collaboration with Savitribai Phule University of Pune in which large number of students are encouraged to participate and to take up various social activities at near by Village.



NSS Camp organized at Jakhangaon.

## CO-CURRICULAR ACTIVITIES

Following activities are regularly held by various departments 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 at other institutions also by providing financial assistance.



Students of IT Dept. got consolation prize in "Smart India Hackathon-2018" Competition held at Ahmedabad, Gujarat



## PRAVARA MEGA ALUMNI MEET 2018 AT USA



Pravara Mega Alumni Meet 2018 organized at Hotel Las Vegas, US

## ALUMNI MEET 2018 AT AHMEDNAGAR



Inauguration of "Pravara Mega Alumni meet 2018"



Alumni addressing during "Pravara Mega Alumni Meet 2018"



Hon'ble Shri. Radhakrishna Vikhe Patil Addressing on Pravara Mega Alumni Meet 2018



Dr. Sujay Vikhe Patil Addressing Pravara Mega Alumni Meet 2018





Dr. Vithalrao Vikhe Patil Foundation's

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



### GRADUATION CEREMONY (CONVOCATION) 2018



Chief Guest : Hon'ble Dr. Ashok Chavan, Director, BEE SPPU Pune and Hon'ble P. R. Bhadakwade, Dy. Registrar, SPPU Pune at Dr. V. V. P. College of Engineering, Ahmednagar.

### ENGINEER'S WEEK CELEBRATION



Chief Guest Dr. Bharat Kale, Director C-MET Pune.



Chief Guest Er. M. A Deshmukh, Vice President Autocluster Ahmednagar.

### PROJECT & PAPER COMPETITION TECHNO CRAZE 2018



Chief Guest : Mr. Nagesh Adhav , HR Manager L&T





Dr. Vithalrao Vikhe Patil Foundation's

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



Inauguration ceremony of "ATV Championship"



ATV Championship Race Inauguration



Visit of Actor Amir Khan at college campus



Annual Social Gathering Rhythm 2018 Prize distribution  
by Marathi Actor Shri. Milind Shinde



Visit of Hon'ble Vinod Tawde sir, Minister of  
Higher & Technical Education at College.



Visit of Hon'ble Ram Shinde, Cabinet Minister of  
Water Conservation and Protocol.



## 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  
Ahmednagar

Dr. Vithalrao Vikhe Patil Foundation's

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

Affiliated to Savitribai Phule University and Recognised by A.I.C.T.E., New Delhi  
I.D. No. PU/AN/ENGG/027/1983.

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