



Padmashree Dr. Vithalrao Vikhe Patil Foundation's

Padmashri Dr. Vithalrao Vikhe Patil College of Engineering

Vilad Ghat, Post : MIDC, Ahmednagar - 414 001.



In Pursuit of Excellence



- 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



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



PDVVP Foundation's
PDVVP College of Engineering




Our Source of Inspiration & Motivation



Padmashree Dr. Vithalrao Vikhe Patil

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 message. His untiring efforts changed rural scene of Maharashtra & 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 & Doctors of Science in 1979 by Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra. Padmashree 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, & 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. Padmashree 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.




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Our Source of Inspiration

Hon'ble Padmabhushan Dr. Balasaheb Vikhe Patil

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

Founder - Padmashree Dr. Vithalrao Vikhe Patil
Foundation, Ahmednagar



Dear Parents & Students,

Engineers are responsible for the development in infrastructure in the country to sustain its economic development. I would like to express here that all the students who have secured admissions in our institute have taken a right decision to become an engineer. I congratulate all students who have joined our institution and welcome all to Padmashree Dr. Vithalrao Vikhe Patil Foundation's, Padmashree Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar. The institution has a long standing in the field of technical education. The institution has developed into a premier institution over the years by inculcating an attitude to impart quality education to the students who are going to be the builders of the nation. This has been possible with mutual cooperation, team work and hard work by the faculty and students. The entire team of the institution is committed to make the students to stay abreast with complete mastery in their chosen fields of study. I feel proud to mention here that four of undergraduate courses in the institute are accredited by National Board of Accreditation (NBA), New Delhi, for its achievements and excellence in the field of technical education.

The development of the modern world has been dominated by Science, Engineering and Technology and the role of the engineer is linked closely to the needs of society. The 21st century will be defined by some of the huge challenges now facing humanity. Among these are energy and food security, competition and scarcity of natural resources and climate change. Every engineering graduate will face these issues throughout their working careers. The demand for engineering skills is likely to be higher than ever before in order to deliver sustainable engineering systems, low-carbon energy technologies and robust physical infrastructure to protect against geophysical hazards. Unlike science, in engineering the environment in which engineers plan, design, build, manufacture, maintain and operate continually changes and so the engineer must be prepared within an 'acceptable level of risk' for all possibilities and outcomes.

Hence our institute is committed to groom our students into technocrats to meet these challenges. This is possible only with hard work, zeal to teach and learn team work. I am sure that the faculty and students will work together to achieve excellence to gain the knowledge acceptable by the industries and the society to build strong country.

I wish my faculty and students all the best in the process of teaching-learning to achieve the goals.



Dr. Balasaheb Vikhe Patil
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Cordially Yours
Shri. Balasaheb Vikhe Patil



Motivation

(From our guiding Light)



Hon'ble Shri. Radhakrishna Vikhe Patil

Chairman, Padmashree Dr. Vithalrao Vikhe Patil
Foundation, Ahmednagar.

Leader of Opposition, Legislative Assembly,
Government of Maharashtra

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 Padmashree 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 Padmashree 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 workshop to seminars and conferences, cultural and social activities and athletic events. I hope that you will become involved in Padmashree Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar 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 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.




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Cordially Yours

Shri. Radhakrishna Vikhe Patil



Message From CEO



Dr. Sujay Vikhe Patil, M.Ch. (Neurosurgery)

Chief Executive Officer,


Padmashree Dr. Vithalrao Vikhe Patil Foundation, Ahmednagar

Dear Parents and prospective students,

I take this opportunity to congratulate you for choosing engineering as a career and welcome you to Padmashree Dr. Vithalrao Vikhe Patil Foundation's Padmashree 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 a 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 departments 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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Sincerely Yours

Dr. Sujay Vikhe Patil



Message From Principal



Dr. H. N. Kudal
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, in our college Accredited by National Board of Accreditation, New Delhi. 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 be a technically sound professional and competent Engineer.


With this aim in mind we have created excellent facilities to train you in all aspects of your chosen discipline. The teaching-learning process ensures that it retains its theoretical department 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 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 Padmashree 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 four years. 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 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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Cordially Yours
Dr. H. N. Kudal



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.

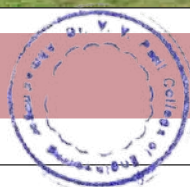
MISSION

Padmashri Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar is committed to impart excellent Technical Education to the students to create Techno-Excellent 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

Padmashree Dr. Vithalrao Vikhe Patil Foundation's, Padmashri Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar is one of the oldest & venerated engineering college in Ahmednagar district in Maharashtra. The Institution is affiliated to Savitribai Phule Pune University offering Various Undergraduate (UG) and Postgraduate (PG) courses. It was established in the year 1983. It has completed 33 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 & National Assessment and Accreditation Council (NAAC) Bangalore. 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 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.



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Courses Offered :

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

Course	Student Intake	DTE Code
Undergraduate Courses from 1st Year		
Civil Engineering	60	516119110
Mechanical Engineering	120	516161210
Electronics & Telecommunication Engineering	120	516137210
Electrical Engineering	60	516129310
Information Technology	60	516124610
Undergraduate Courses From 2nd Year		
Direct Second year Civil Engineering	60	516119110
Direct Second Year Mechanical Engineering	60	516161230
Postgraduate Courses		
Civil - Structural Engineering	24	516121210
Mechanical - Design Engineering	24	516160110
Research (Ph.D.) - Proposed		
Mechanical Engineering	16	

Eligibility for Admission

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

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

AND

Obtained at least 50% marks (at least 45% marks, in case of Backward class categories and 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 Persons 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, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

AND

Obtained score in MHT-CET 2016 or JEE Main Paper I 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



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and Technology with at least 45% marks (40% marks in case of candidates of backward class categories and Persons 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 Persons 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.

(C) 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

Candidates 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**

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 & One girls hostel with internet connectivity, solar water heaters, mess & 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 & ATM facility in the campus.
- ◆ Financial support for organization of technical / industrial / Site visits for the students.
- ◆ 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.



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Amhedar



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 value added services. It is fully computerized with 17800 titles and 41468 books and has subscription to National & International technical e-journals & magazines. Digital library facility is provided to the students & 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 facilitate stay of students in campus the institute has two boys' hostels to accommodate 456 boys & one girls' 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 & Wi-Fi internet facility.



Gymkhana & Sports Facilities: The institute has playgrounds for Cricket, football, volley ball & 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 Center:

Super Speciality medical facility is available 24x7 to students, faculty & Staff members at Dr. Vikhe Patil Memorial Hospital & Medical College located within our institution campus.



Training & Placement Cell: The institute has separate Training & 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 & placement cell also organizes various personality development programmes by inviting professionals from industries & corporate houses.



Our Prominent Recruiters

 WIPRO Applying Thought	 Cognizant	 patni	 ERGON ENERGY	 Tech Mahindra IT Services and Telecom Solutions
 BOSCH	 accenture Hypo performance. Delivered!	 KPIT Cummins	 Wipro BPO Winning by Applying Thought	 ZEPPELIN MOBILE SYSTEM
 TATA TELESERVICES LIMITED	 UNIVERSAL ELECTRIC We're in the future.	 Höganäs	 CMC Limited Your IT Partner	 ISMT LIMITED Solutions You Can Trust
 SYNIGEL	 LT	 NSM	 ORACLE	 Torrent POWER
<i>and many more....</i>				



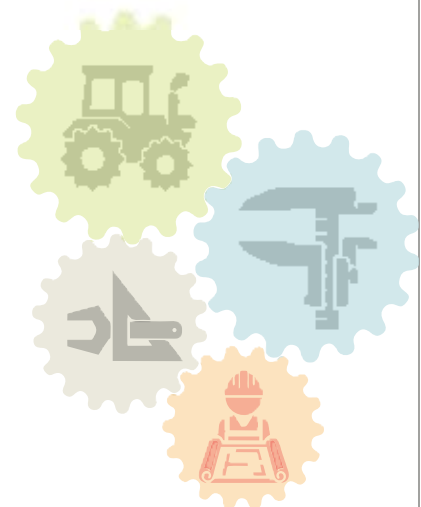
PROMOTIONAL ACTIVITIES

Following activities are promoted & encouraged by the Institute by providing financial assistance

- Earn & learn scheme for economically backward students.
- Research activities & projects by students & 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 & faculty members.

SPECIAL ACHIEVEMENTS BY FACULTY MEMBERS

- Prof. S. J. Halnor, Head of Chemistry Department, has been awarded Ph. D degree by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Dr. H. N. Kudal, Principal, has been granted financial assistance of Rs. 2.30 lakhs from BCUD, University of Pune for his research work.
- Prof. S. J. Halnor, has been granted financial assistance of Rs. 1.90 lakhs from BCUD, University of Pune for his research work.
- Prof. J. Jaykumar, Dept. of Mech. Engg., has been awarded Ph. D degree in Mechanical Engineering by Annamalai University, Tamilnadu.
- Prof. R. R. Navthar, Dept. of Mech. Engg., has been awarded Ph. D degree in Mechanical Engineering by North Maharashtra University in January 2016.
- Prof. A. K. Patil, Dept. of E & TC Engg., has been awarded Ph. D degree in E & TC Engg. by North Maharashtra University.
- Dr. Shirke A. J. has been granted financial assistance of Rs. 1.5 Lakh from BCUD, University of Pune for his research work.
- Prof. Ms. U. R. Kawade, Head of Civil Engineering Department, has been granted financial assistance of Rs. 1 Lakh from BCUD, University of Pune for her research work.
- Prof. J. Jaykumar, Associate Professor in Mechanical Engineering, presented a paper titled "Effect of High Energy Ball Milling on Micro Structure and Mechanical Properties of Magnesium Nano Composites" at Bangkok (Thailand).
- Prof. Dr. K. B. Kale, Vice Principal & Head of Mechanical Engineering Dept., has received "Engineering Achievement Award" from Institution of Engineers, Ahmednagar Local Center.
- Prof. Ms. U. R. Kawade, Head of Civil Engineering Department, has received "Lady Engineer Award" from Institution of Engineers, Ahmednagar Local Center.
- **Faculty:** M. G. Unde, D. A. Vidhate, A R Laware, Ms. S. S. Magar, Ms. U. R. Kawade, Ms. V. S. Dhavane, S A Markad, R E Kalhapure, S. M. Magar, S K Shaikh, M. P. Wagh, P. B. Autade & Mrs. S. S. Desai are pursuing Ph. D in different specializations.
- **Special Achievement of Alumni:** Mr. Rahul Kardile ex-student of Instrumentation Engineering has cleared UPSC Exam 2015 with all over India rank 422.





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 anyone 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. Mrs. A K Patil (+91 9922367767).
- Internal Complaint Committee looks after the discipline and safety of female faculty members and girl students in the institute premises and hostels. In the event of any emergency untoward incidents, contact Prof. Mrs. J P Botkar, In-charge of the cell (+919421361510).
- Reservation grievances committee take care of the issues related to Reservation of students and staff by Prof. S J Halnor (+91 9860756322).



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Department of Civil Engg.

INTRODUCTION: 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 development of infrastructure facilities like buildings, communication and transportation facilities such as Highways, Bridges, Railways, Airports, Irrigation and Canals, Tunnels and Dams, Water Treatment, Pollution Control and also for creating various infra structural 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 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 CDs.

POST GRADUATE COURSE: Civil Engineering Department runs Post Graduate course in Structural Engineering (ME-Structure) 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 2013-2014.

Name of Faculty	Qualification	Name of Faculty	Qualification
Prof. U R Kawade	ME (Civil – Stru. Engg.) Ph.D *	Prof. A A Waghmare	ME (Civil – Stru. Engg.)
Dr. A J Shirke	M.Sc. (Geology), Ph.D	Prof. V A Yeole	ME (Civil – Stru. Engg.) *
Prof. M P Wagh	ME (Civil – Env. Engg.) Ph.D*	Prof. A H Shirke	ME (Civil – Stru. Engg.)
Prof. V R Kulkarni	ME (Civil – Env. Engg.)	Prof. D S Pathare	ME (Civil - Stru. Engg.)*
Prof. N A Patil	ME (Civil – Con. Mgt.) Ph.D *	Prof. S L Asava	ME (Civil – Env. Engg.) *
Prof. S N Daule	ME (Civil – Stru. Engg.)	Prof. N. M. Mulik	ME (Civil – Env. Engg.)
Prof. P B Autade	ME (Civil – Stru. Engg.) Ph.D*	Prof. A. H. Jamale	ME (Civil - Stru. Engg.)
Prof. M V Gunjal	ME (Civil – Env. Engg.)	Prof. Chavan P. A.	ME (Civil – Stru. Engg.)
Prof. A R Take	ME (Civil – Stru. Engg.)	Prof. Kanawade. B. D.	ME (Civil – Stru. Engg.)
Prof. Ayan Sen Gupta	ME (Civil – Stru. Engg.)	Prof. N. R. Bhosale	ME (Civil – Stru. Engg.)
Prof. P K Bhandari	ME (Civil – Stru. Engg.)	Prof. S.A.Andhale	ME (Civil - Stru. Engg.)*
Prof. P A Salunkhe	ME (Civil – Stru. Engg.)	Prof. N. D. Raut	ME (Civil - Stru. Engg.)*

* Pursuing

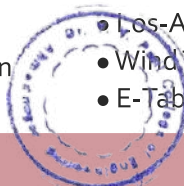
LABORATORIES IN DEPARTMENT:

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:

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

MAJOR EQUIPMENTS & SOFTWARES

- 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
- Staad Pro - V8i
- Marshall Stability Testing Machine
- Ductility Testing Machine
- Field California Bearing Ratio Test Apparatus
- Los-Angeles Abrasion Testing Machine
- Wind Tunnel
- Tilting Flume
- Laser level
- E-Tab
- R.Cube



Dr. Vikhe Patil
College of Engineering
Amner, Rajasthan



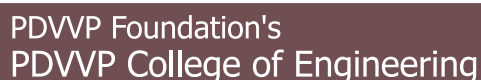
Testing and Consultancy : The laboratories in the department are well equipped and department offers testing and consultancy services to Government and Non-Government Organizations. All the tests and consultancy are done as per the relevant IS codes by trained faculty members. Following are the services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

ACHIEVEMENTS OF THE DEPARTMENT

- ◆ Prof M. P. Wagh wrote book titled - "Basic Civil and Environmental Engineering" for First year Engineering students as per the syllabus of Savitribai Phule Pune University Pune, and Published by Success Publication, Pune.
- ◆ Prof M. P. Wagh published paper in American Journal of Environmental Engineering on topic "Treatment of Distillery Spent Wash by Using Chemical Coagulation (CC) and Electro - coagulation [EC]".
- ◆ Prof M. P. Wagh and N. M. Mulik publish paper in International Journal of development Research on topic "Electro-coagulation [EC] process to treat basic dye".
- ◆ S.N. Daule, and U. R. Kawade published paper on topic "Improvement of Properties of GGBS and Fly Ash based Concrete"
- ◆ A.J. Shirke published paper on topic "Role of GIS and Remote Sensing for development of Water resources in Smarts Cities"
- ◆ Mulik Sambhaji, Kalyani Bhandwalkar, N. M. Mulik published paper on topic "Vehicle Tracking System Using GPS - GIS: An Approach"
- ◆ Ayan Sengupta, Piyush Bhandari published paper on topic "Smart City : An Integrated Approach Towards A New Era"
- ◆ Chetan Chhindam, P. B. Autade published paper on topic "Structural health monitoring for retrofitting model of smart city development"
- ◆ Dipak S. Patare published paper on topic "Geopolymer Concrete: Smart Material"
- ◆ Department has organized Two Days National Conference on "Role of Engineers in Development of Smart Cities" (REDSC – 2016) on 21st and 22nd January 2016, sponsored by Planning and Development department, Pune university, pune.
- ◆ Shubham Kulkarni, Vishwambhar Kakde, Krushna Mane, published paper in International Journal of Engineering Research and General Science on topic "Treatments to Distillery Spent wash by Electro coagulation [EC] and Adsorption: A Review"
- ◆ Verma Monika and Pawar Vaibhav got First Rank in Paper presentation organized by AVCOE, Sangamner on topic Two Days National level event TECHNOMRUT'2K15 on 10th & 11th September 2015
- ◆ Shaikh Shahnawaj, Ekhlas Tamboli, Shaikh Sana got 2nd rank in Paper presentation in National level paper presentation at Sandip Foundation, Nasik on 23-01-2016
- ◆ Shahnawaj Sheikh, Ekhlas Tamboli, Shaikh Sana, published paper on topic "Behaviour of tall RCC structure under lateral forces" in International Journal of Engineering, Science and Computing.
- ◆ Dhaktode Asaram, Gatane Deepankar, Gurujet Singh, Kasabe Vishal, Kasawa Akshay published paper on topic "Energy dissipation by using different slopes of ogee spillway" in International Journal of Engineering Research and General Science.
- ◆ Students of T.E. Civil has successfully undertaken, completed and submitted layout plan of Manjarsumbha village during NSS special winter camp for A.Y. 2015-16

CAREER OPPORTUNITIES: The Civil Engineers are 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 Government Departments like PWD, 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 graduates have ample chance of entering into IAS, IFS, MES and other competitive examinations.



Introduction: The Department was established in 1986. Since its inception, the department has gained reputation in the Savitribai Phule Pune University as renowned department due to high academic standards established by qualified, experienced Faculty & Supporting Staff. The department has well developed infrastructure which includes well developed laboratories, comprehensive computer and internet facilities. All laboratories in the department are well equipped as per AICTE & Savitribai Phule Pune University norms. To name a few, CNC Trainer Lathe, 3 Dimensional Coordinate Measuring Machine, Mini Steam Power Plant, Vapour Absorption Test Rig, FFT Analyzer, Computer Lab with latest softwares like Auto-CAD, MATLAB, Turbo C, CATIAVS, IDEAS, ANSYS, MasterCAM. Apart from central library, department has a separate library with good collection of books, learning tools such as video cassettes, transparencies, charts and CDs, etc.

POST GRADUATE COURSE: Mechanical Engineering Department runs Post Graduate course in Design Engineering (ME-Design) 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.

Name of Faculty	Qualification	Name of Faculty	Qualification
Dr. H. N. Kudal (Principal)	Ph. D (Mech.)	Prof. S. G. Kotkar	M. E. CAD / CAM
Dr. K. B. Kale, HOD	Ph. D (Mech.), IISc., Bangalore	Prof. A. D. Pathak	M. E. CAD / CAM*
Dr. J. C. Burse	Ph. D (Mech. Tribology, MBA Fin. & Mktg.)	Prof. Mrs. M. S. Chopade	M. E. Design*
Dr. J. Jaykumar	Ph. D (Mfg.)	Prof. M. M. Bidwe	M. Tech. Product Design & Mfg
Dr. R. R. Navthar	Ph. D (Mech.)	Prof. P. P. Rasal	M. E. CAD / CAM
Prof. S. M. Magar	M. E. Design, Ph D*	Prof. A. V. Suryawanshi	M. E. Design
Prof. P. A. Narwade	M. Tech. Design	Prof. V. Y. Dhepe	M. E. Heat Power
Prof. R. N. Zaware	M. E. Design *	Prof. S. B. Kharde	M. Tech. Heat Power
Prof. R. E. Kalhapure	M. E. Production, Ph D*	Prof. Miss S. S. Gadhe	M. E. Design *
Prof. Miss C. R. Shah	M. E. Design	Prof. M. A. Kadu	M. E. Design
Prof. A. R. Kachare	M. E. Heat Power*	Prof. Mrs. K. S. Kadam	M. E. Design*
Prof. B. T. Tagad	M. E. Heat Power*	Prof. S. S. Vyawahare	M. Tech CAD/ CAM
Prof. A. D. Kachare	M. E. Design	Prof. Y. S. Pathare	M. E. Design
Prof. D. B. Thange	M. E. Heat Power*	Prof. P. G. Kohak	M. E. Design*
Prof. R. S. Waghmare	M. E. Heat Power*	Prof. S. K. Kadu	M. E. Design
Prof. K. M. Markad	M. E. Design	Prof. V. H. Khemnar	M. Tech Design
Prof. V. P. Patekar	M. E. CAD / CAM	Prof. R. A. Kandake	M.E. Production
Prof. D. K. Nannaware	M. E. Design	Prof. D. S. Ghorpade	M.E. Design

* 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 -

- Computer Lab
 - CAD / CAM Lab
 - Dynamics of Machinery Lab
 - Heat Transfer Lab
 - Theory of Machines Lab
 - Metallurgy Lab
 - Refrigeration & Air Conditioning Lab
 - Internal Combustion Engines Lab
 - Advanced Material Science Lab
 - Metrology Lab
 - Fluid Mechanics Lab
 - Fluid Machinery Lab
 - Steam Lab
 - Drawing Hall
 - Solid Modelling Lab
 - Basic Mechanical Engineering Lab
 - Industrial Fluid Power Lab
 - Language Lab
 - Programming Lab
 - Central Computing Facility
 - Research Lab
 - Research Computer Lab



- Central Computing Facility
- Research Lab
- Research Computer Lab



MAJOR EQUIPMENTS

- Forced Convection Apparatus
- FFT Analyzer (VCR)
- Single Plate Clutch Test Rig
- Boiler Test Rig
- Ultrasonic Flaw Detector
- Vickers Hardness Tester
- Refrigeration Test Rig
- Variable Compression Ratio Engine Test Rig
- Vacuum Stir Casting Furnace
- Coordinate Measuring Machine (CMM)
- CNC Lathe
- 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 wear friction monitor, journal bearing testing and FFT Analyzer. Department also 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, Steam Power Plant & Boiler.

ACHIEVEMENTS OF THE DEPARTMENT

- National Conference on Recent Advances in Mechanical Engineering (RAME-2016) was held during 10th & 11th March 2016.
- Dr. H. N. Kudal, Prof. S. M. Magar & Prof. A. R. Kachare received grant of Rs. 2.3 lakhs for numerical & experimental analysis of helical coil tube heat exchanger from BCUD, Savitribai Phule Pune University.
- Prof. J. Jaykumar has been awarded Ph. D degree by Annamalai University, Tamilnadu.
- Prof. R. R. Navthar received a sectionized model of gear drive system of Rs. 1.2 lakhs from NORD Drive System Pvt. Ltd. Pune.
- Department received a grant of Rs. 12 lakhs under MODROB Scheme from AICTE, New Delhi, Government of India, for purchasing "FFT Analyzer" for Noise & Vibration Measurements.
- Department conducted One day workshop on "Renewable Energy & Energy Saving System" on 29th March 2016.
- Prof. R. R. Navthar has been awarded Ph.D degree in Mechanical Engineering by North Maharashtra University in January 2016.
- Departmental students designed & manufactured "All Terrain Vehicle" (ATV) for SAE - BAJA & Mega - ATV Championship under the guidance of Prof. B.T. Tagad.
- Mr. Pramod D. Nayate (NASA, USA) delivered an expert lecture on "Manufacturing of Space Shuttle Rockets" on 5th Jan. 2016.

CAREER OPPORTUNITIES: After graduation student can join service sector, manufacturing sector, power sector, different state and central government institutions. The student can opt for higher studies such as MBA, ME/M. Tech. Students can also start their own ventures if they have entrepreneur qualities.



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



Department of Electronics & Telecommunication Engg.

Introduction: The Department was 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 System, VLSI, Advance Digital Signal Processing, Microwave and Nanotechnology 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 individualization of each one's strength with good academic results, selection of students in competitive examinations like GATE, GRE, TOEFL etc. The aim of the Department is to attain the global competitive standards of knowledge, wisdom and consciousness related to Electronics & Telecommunication.

Name of Faculty	Qualification	Name of Faculty	Qualification
Prof. S. S. Magar, H.O.D.	M. E. Electronics Ph. D*	Prof. V. S. Khakal	M. E. (VLSI & EMD)
Dr. A. K. Patil	Ph. D	Prof. M. K. Musale	M. E. (VLSI & EMD)*
Prof. V. G. Kale	M. E. Electronics	Prof. T. N. Pawase	M. E. (Microwave Engg.)
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. G. D. Londhe	M. E. (VLSI & EMD)
Prof. C. K. Kalawade	M. E. (VLSI & EMD)	Prof. S. L. Nagare	M. E. (VLSI & EMD)
Prof. V. A. Dhawale	M. E. (VLSI & EMD)	Prof. S. R. Nibe	M. E. (VLSI & EMD)
Prof. M. B. Avhad	M. E. (VLSI & EMD)	Prof. A.R. Mane	M. E. (VLSI & EMD)
Prof. R. J. Lawande	M. E. (VLSI & EMD)	Prof. R.A.Godge	M. E. (Digital Systems)
Prof. P. B. Varpe	M. E. (VLSI & EMD)	Prof. B. A. Pangavhane	M. E. (VLSI & EMD) *
Prof. S. J. Wamane	M. E. (VLSI & EMD)	Prof. A. V. Vikhe	M. E. (VLSI & EMD) *

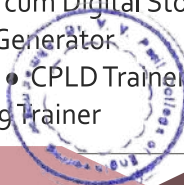
* Pursuing

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-1
- Computer Lab-11

MAJOR EQUIPMENTS

- Microwave Test Benches (Klystron & Gunn Diode as a source)
- Optical Time Domain Reflectometer
- 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 (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



Dr. Vithalrao Vikhe Patil
Principal
College of Engineering
Ahmednagar



ACHIEVEMENTS OF THE DEPARTMENT

- Department organised state level technical event "Technoexcellence" on 16th Jan 2015.
- Department organised state level technical event "Technoquiz" on 26th March 2015.
- Department organised National seminar on Research, Innovations, Copyrights & Patents "RICP" on 3rd march 2016.
- Department Organised Expert lecture on Carrier Opportunities by Mr. Vedant Ramekar, KPIT Cummins, Pune, 2016.
- Department Organised Seminar on Carrier Guidance by Mr. Aditya Deodhar on 5th Sep 15.
- To upgrade students knowledge technical visits are organised by the department.
- Mrs. Satyawati S. Magar published paper on "An Overview Of Different Methods Of Digital Image Compression Of Medical Images" in Novateur Publication's International Journal Of Innovation In Engineering, Research And Technology [IJIERT]
- Mr. Sandip R. Udawant published paper on "Digital Image Processing By Using Pass Band Modulation Techniques" in Novateur Publication's International Journal Of Innovation In Engineering, Research And Technology [IJIERT]
- Mr. Vaishnav G. Kale published paper on "An Overview Of Microscopic Imaging Technique For Lung Cancer & Classification" in Novateur Publication's International Journal Of Innovation In Engineering, Research And Technology [IJIERT]
- Prof. N.M. Deshpande, Prof. V.S. Khakal, presented paper on "Image Enhancement Techniques for Ultrasonic Abdominal Images for the Analysis of Kidney," in ICRTET.
- Prof. N.M. Deshpande, Prof. V.S. Khakal, presented paper on "Review on Investigation of Kidney Diseases by Ultrasonic Images on the basis of image processing techniques" in National Conference on Smart cities, Civil department PDVVP COE, Ahmednagar.
- Prof. V.S. Khakal, Prof. N.M. Deshpande, Prof. P.B. Varpe, presented paper on "Measurement of NPK" by using pH value," in ICRTET-2016.



Dr. Vithalrao Vikhe Patil
PRINCIPAL
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College of Engineering
Ahmednagar



Department of Electrical Engg.

INTRODUCTION: The Department of Electrical Engineering, was established in 1999. The department has a fine blend of renowned as well as young and dynamic personalities as faculty, is involved in providing quality education at undergraduate (UG) level. Department comprises of a three storey building with space as per AICTE norms. The department has three classrooms and ten well equipped laboratories.

All laboratories such as Machine Lab -I & II, Basic Engineering Lab, HV, Switch Gear Lab and 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 softwares. All computers are net connected, SOFT WARE loaded such as MATLAB, Mi power, Dig Silent factory, AutoGround pro etc. and open to students for their use.

Mostly all the staff members are master degree holders and rest have already enrolled for their master degree. Strong academic and research atmosphere is the essence of the department. All staff members are having long experience in teaching and some of them are having strong industrial background also. Teaching style is very interactive and concept oriented. The various curricular and co-curricular activities are conducted through Electrical Engineering Students Association (ELESA).

Our students are having multiple choice for jobs in various organizations like MSEDCL, MSETCL, MSEGCL, Excell power, Indian Railway, Irrigation Department for Hydro project, REC, Ministry of Energy & Power, Electrical Inspector, Siemens, ABB, Suzlon, Enercon Wind Power, Reliance Energy, BHEL, JP Power, Adani, Arena, L & T Switch gear, Bharti Bijali, Toshiba Electrical, Schneider Electricals Havell, Crompton Greaves Ltd. NTPC, NHPC, Tata Power, Torrent Power and many more.

Name of Faculty	Qualification	Name of Faculty	Qualification
Prof. M G Unde	ME (Electrical – P. S.), Ph.D*	Prof. Sumit Kumar	ME (Electrical - PS)
Prof. S A Markad	ME (Electrical – P. S.), Ph.D*	Prof. A. P. Wankhade	ME.(Electrical - P.E.)
Prof. S K Sheikh	ME (Electrical – P. S.), Ph.D*	Prof. R A Wakale	BE (Electrical), ME*
Prof. M H Nerkar	ME (Electrical - C.S.)	Prof. G K Shirsat	ME.(Electrical - P.S.)
Prof. K R Ghadge	ME (Electrical - C.S.)	Prof. Ganesh Murade	ME.(Electrical - P.S.)
Prof. S K Awaze	ME (Electrical - P. S.)	Prof. P. U. Raut	BE (Electrical), ME*

* Pursuing

LIST OF LABORATORIES: Laboratories in the 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
- Switch gear & Protection Lab
- High Voltage Lab
- Microprocessor Lab
- Computer Lab
- Testing

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 major equipped Laboratories
- AC HV Transformer
- DC Network Analyzer
- Simulation Model of Merz prices Protection of Transformers
- Simulation Model of Distance Protection of Transmission Line with Impedance Relay



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- Relay Testing Kit
- Logic Analyzer
- Rectifier unit 3 Ph, SCR DC Current from 0-100 Amp. Output 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

TESTING AND CONSULTANCY : LED lamps, Timers, Transfer Oil, Insulation, Illumination Level, Soil Resistivity, Earth Resistant Wires & Cables, etc.

ACTIVITIES OF THE DEPARTMENT :

- Expert lecture on PLC & SCADA by Er. Narendra Bedre Nag pur.
- Six Day Workshop on PLC & SCADA Application by Er. Ramesh Wagchaure, Prolific Systems & Technology Pvt. Ltd.
- Seven Day Workshop on "Computer Programming" by Er. Vaibhav Patil, Disha Computers, Ahmednagar.
- Expert lecture on challenges to 765 KV/1200KV UHV transmission line design by Er. R. N. Maske Chief Engineer MSETCL, Nasik.
- IET present around the world. IET PATW -2016, International level presentation skill in engineering for young engineers.
- Soft skill development, "How to face an interview, Etiquettes and Manners" by Mrs. Babita Jaggi
- Design & Testing & 3 phase Alternators by Er. Dilip Pawar, Crompton Greaves Ltd., Ahmednagar.
- Three days Workshop on software training (DIG Silent) by Miss Priya Chaubal Mumbai.
- Prof. M. G. Unde, Grounding Grid Design of Substation using Ground Rods -A Case Study IEEE conference Dec- 2012.
- Prof. S..K. Sheikh, Short Term load forecasting, IJESCT, Dec 2015
- Prof. M. H. Nerkar, Neural network based parameter estimation of Induction Motor K. K. W. I. E. E. R, Nashik, Dec. 2015.
- Prof. Ms. K. R. Ghadge, PLC based POKA -YOKE system for output shaft assembly, IEEE Press in International Conference on "Mechanical, Manufacturing & Industrial Technology" on 26-28 Feb 2013, at Singapore.
- Prof S. K. Awaze, Three phase inverter fed BLDC motor, IEEE conference May -2015.
- Dept. conducted Three days workshop on "MATLAB Application in Electrical Engg." during 9th to 11th Feb. 2016.

Career Opportunities after Graduation: No Industry is there where electrical engineers are not required. Whether it is a Steel Industry or Cement Mills or Mines everywhere electrical engineers are required. Except all these others Electrical firms such as Crompton Greaves Ltd., Cummins Generator Technology, ABB, L & T. TATA Power, EIL, UDhe Consultants, TCS, Torrent Power & State utilities like MSEDCL, MSETCL, MSEGCL are regularly recruiting our engineering graduates.





Department of Instrumentation & Control Engg.

Introduction: Instrumentation & Control Engineering is a branch of engineering that serves not only science but all branches of engineering right from commercial industrial sectors to hospital and deals with different aspects of core automation in various sectors. Instrumentation Engineering is the need of today's global competitive environment and it is exploring its scope in various Process Industries, Biomedical Industries, Electronics & Telecommunication Industries, Information Technology etc. Department was established in the year 1996 and since its commencement department has gained reputation in University of Pune as a renowned department due to high academic standards.

Name of Faculty	Qualification	Name of Faculty	Qualification
Prof. A R Laware	ME Instrumentation, Ph.D *	Prof. S B Joshi	M. Tech. Instrumentation
Prof. V S Dhavane	ME Instrumentation, Ph.D *	Prof. R A Darandale	ME Instrumentation
Prof. S S Mandhare	BE Instrumentation		

Laboratories

- Sensor & Transducer Lab
- Computer Lab
- Analytical & Optical Instrumentation Lab
- Process Instrumentation Lab
- Basic Electronics Lab
- Project Lab
- Analog & Digital Technique Lab
- Biomedical Instrumentation Lab
- Digital Signal Processing Lab
- Micro-controller Lab
- Basic Electronics Lab

Major Equipments

- Universal Process Control Trainer
- Programmable Logic Controller Trainer
- Distributed Control System Trainer
- Digital Flow Measurement using DP Cell
- Medical Telemetry Transmitter Receiver
- Digital Polygraph (Biomedical Based)
- UV-VIS Spectrophotometer
- Level Control Trainer
- Flow Control Trainer
- Temperature Control Trainer
- Digital Storage Oscilloscope
- X-Ray Machine (Demo Model)

ACHIEVEMENTS OF THE DEPARTMENT :

- Department Organized Expert Lecture on "Soft Skills" by Mr. K Shridharrao, Director KILT Aurangabad.
- Department Organized Guest Lecture on "Building Automation" by Mr. Prashant Kulkarni, Honeywell Ltd., Pune.
- Department Organized Workshop on "PCB Design" by Prof. S M Shirsath, PREC, Loni.
- Department Organized Expert Lecture on "Boiler Instrumentation" by Mr. Arvind Paranjape, Tata Thermal Power Plant, Mumbai.
- Five Day Workshop on PLC & SCADA by Mr. Sandip Thange, Director, Krish Infotech, Pune was Organized by Dept.



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- Prof. A. R. Laware published a paper on "Temperature control of Heat exchanger using smc Law " Journal of control & instrumentation, STM Journal.
- Prof. A. R. Laware Published a paper on "Real Time temperature control system PID & SCADA", IJAIEEM.
- Prof. A. R. Laware published a paper on "PIC micro controller board micro irrigulion system".
- Prof. S. B. Joshi published a paper on "Number Plate Identification based on Morphological Image Processing Technique" in National Conference at JNIT Jaipur and Sinhgad Institute of Technology.
- Prof. R. A. Darandale published paper on "Design of Model Predictive Control for Temperature Process" in International Conference on Advances in Signal Processing & Communication.

Career Opportunities

- | | |
|--|---|
| • Rashtriya Chemical & Fertilizers (RCF) | • Indian Engineering Services (IES) |
| • Maharashtra State Electricity Board (MSEB) | • Indian Air Force, Navy, Army |
| • Bhabha Atomic Research Center (BARC) | • Bharat Petroleum Corporation Ltd. (BPCL) |
| • Steel Authority of India Ltd. (SAIL) | • Bharat Heavy Electricals Ltd. (BHEL) |
| • National Thermal Power Corporation (NTPC) | • Indian Space Research Organization (ISRO) |
| • Indian Railways | • Oil & Natural Gas Ltd. (ONGC) |
| • Honeywell Automation | • Johnson Controls |
| • Larsen & Tubro | • Epitome |
| • Thermax | • Forbes Marshall |
| • Cotmac | • Innovative Automation |
| • Emerson Process | • Siemens |
| • ABB | |
| • Indian Sealmless | • Finolex |
| • Hongas | • Krish Infotech |
| • Pari Robotics | • Alfa Laval |
| • Tata Consultancy Services | • Tantradhyan Engineers |
| • Atlas Copco | • Cipla |





Department of Information Technology Engg.

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 and responsible citizenship. The department has well equipped laboratories, highly qualified and experienced and 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 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) Student's Chapter.

Name of Faculty	Qualification	Name of Faculty	Qualification
Prof. D A Vidhate, HOD	ME (CSE-IT), Ph.D *	Prof. A A Pund	ME (CE)
Prof. Mrs. M N Kale	ME (Comp)	Prof. M S Gunjal	ME (E & TC)
Prof. Ms. A B Bavane	M.Tech (IT)	Prof. J P Gaidhani	ME (CE)
Prof. R G Raut	M.Tech (Comp)*	Prof. P S Gayke	M.Tech (CSE)
Prof. G M Dahane	M.Tech (Comp)	Prof. Ms. Chandgude	BE(IT), M.E (CE)*
Prof. Ms. S S Pophale	ME (CSE)		

* Pursuing

LABORATORIES

- Project Lab
- Information System Lab
- Network Lab
- Data Mining Lab
- Operating System Lab
- Programming Lab
- Microprocessor Lab
- Internet Lab

ACHIEVEMENTS OF THE DEPARTMENT

1. Prof. D. A. Vidhate has presented a paper on "Multilevel Relationship Algorithm for Association Rule Mining used for Co-operative learning in International Journal of Computer Application, Volume 86- No -4, Jan 2015.
2. Prof. A. A. Pund has published a paper on "Discovering frequent itemset from Attributes and tuples uncertainty Data Model" in IJSE volume 6, issue 1, Jan 2015.
3. Prof. J. P. Gaidhani has published a paper on "Implementation on feature subset selection using symmetric uncertainty measure" in IJSE volume 5, Issue 7, July 2014.
4. Prof. R. G. Raut has attended one-day workshop on e-governance organized by University of Pune on 15th Jan 2015.
5. Prof. M. N. Kale & Prof. S. S. Pophale have attended one day faculty development program on "Software Lab " held at MMCOE, Pune on 16th Jan 2015.
6. Prof. P. S. Gayke has attended one week workshop on "Employability Skill Development Lab" at SIT, Pune on 1st July 2014.

Campus Placement of IT Student for the Academic Year 2015-2016

Name of Company	Name of Student
1. Syntego Global IT System Pvt. Ltd.	Pooja Kothari
2. Ethnus Consultancy Services Pvt. Ltd., Bangalore	Rasal Shraddha, Kale Kajal
3. Digi Shell Infotech Pvt. Ltd.	Shubham Lenekar, Kale Kajal, Akshay Are
4. Vaibhav Placements Services	Siddharth Haskar, Kunal Dhoot, Shubham Pawar
5. I-Brain Decision Software, A'Nagar	Pawase Kiran, Rasal Shraddha, Shubham Lenekar



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Campus Placement of IT Student for the Academic Year 2014-2015

Name of Company	Name of Student
1. Savy Software Pvt. Ltd. Pune	Magar Madhavi, Mahajan Rupesh
2. CMS Infosystem, Mumbai	Roshni Badane
3. Lead info Technologies, Pune	Patil Supriya, Pooja Bhat
4. I-Brain Decision Software, Ahmednagar	Sohail Shaikh, Abhishek Diwate
5. SVS global Soft tech, Pune	Chetan Ahire, Pravin Kedar, Pooja Channa.
6. LeadInfo Technolgies	Anita Patade, Priyanka Pandita, Ashwini Gaikar, Rutuja Gadekar, Smita Thorat, Sandhya Arote, Seema Wablem, Rahul Jagtap, Pravin Mokate
7. I-brain Decision Software, A'Nagar	Harshada Gonge, Sachin Khade, Ravindra Bhaskar, Yogesh Chaware
8. Androzen Development System, Pune	Shubhada Takate, Jagruti Pawar, Poonam Gadiya, Ram Chavan,
9. Revenir Development System Pvt. Ltd., Pune	Amit Karambalkar, Komal Kawat, Swetal Phepale, Yogita Kale, Nitin Kolse, Kiran Pawar, Rakesh Patil, Santosh Rathod, Dipak Avhad, Sandhya Arote
10. Savy Software Pvt. Ltd., Pune	Aniket Bharambe, Ram Chavan, Ashwini Gaiker
11. Crawler System Pvt. Ltd., Pune	Sharad Pawar, Rutuja Gadekar, Rohini Bhadane



DEPARTMENT OF ENGINEERING SCIENCE

Name of Faculty	Qualification	Name of Faculty	Qualification
Prof. Devkhile SD, HOD	M.Sc (Mathematics)	Prof. Mrs. P M Jagtap	M.Sc. (Mathematics)
Prof. Dr S J Halnor, HOD	M.Sc., Ph.D (Chemistry)	Prof. Mrs. A A Mancharkar	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)		

Minor Research Projects: Dr. Sureshkumar Halnor is working on BCUD, University of Pune sponsored project for a grant of Rs. 1.90 Lacs.



Principal
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



NSS (National Service Scheme)

NSS Camp is organized every year by the Institute in Collaboration with Savitribai Phule Pune University in which large number of students are encouraged to participate and to take up various social activities at nearby village.



CO-CURRICULAR ACTIVITIES

- Following activities are regulary held by various deparment for overall development of the students.
- Expert's Lectures
- Design Competations
- Personality Development Programs.
- Lectures on soft skills
- Students are encouraged to participate in above activities held of other instituions also by providing financial assistance.
- Seminars
- Technical Paper
- Workshops
- Presentations
- Lectures on Entrepreneurship Development



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Ambednagar

PHOTO GALLERY



State Level Workshop on "Modern Techniques in Waste Water Treatment" Organized by Civil Engineering Department



State Level Conference "Techno Excellence 2015" on "Image Processing, VLSI & Embedded System" Organized by Electronics & Telecommunication Engineering Department



An Invited Talk on "Design & Testing of 3 Phase Alternator", Organized by Electrical Engineering Department.



One Day Workshop on Faculty Development Delivered by Dr U.N.Gaitonde, Professor in Mechanical Engineering Department, IIT Bombay



National Conference on "Recent Advances in Mechanical Engineering (RAME - 2016)", Organized by Mechanical Engineering Department



Dr. K.P. Viswanatha, Vice Chancellor, Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri giving a speech during "Graduation Ceremony 2016"

Institutions run by Padmashree Dr. Vithalrao Vikhe Patil Foundation

- College of Engineering
- IBMRD (M.B.A.)
- College of Pharmacy
- I.T.I., M.I.D.C., Ahmednagar
- I.T.I., Ranjangaon Mashid
- Dr. Vikhe Patil Memorial Hospital & Medical College
- College of Physiotherapy
- College of Nursing
- College of Agriculture
- English Medium School (CBSE Pattern)
- Padmabhushan Balasaheb Vikhe Patil Junior College



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