SSPM

Late. Jaywantrao Bhosale

INSTITUTE CODE
EN 6313

S.S.P.M.
JAYWANT
COLLEGE OF
ENGINEERING &
POLYTECHNIC
JCEP

• INSPIRE • VALUES • SUCCESS

Recognised by AICTE, DTE, Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere
Jaywantnagar, Killemachindragad (Near Krishna Sugar Factory), Rethare Bk

Our Inspiration

Content

HON. LATE JAYWANTRAOJI BHOSALE

Founder, Krishna Charitable Trust, Karad
Chancellor, Krishna Institute of Medical Sciences University, Karad
Chairman, Shetakari Shikshan Prasarak Mandal, Rethare Bk.

HON. DR. SURESH BHOSALE
M.S. (Gen. Surgery)
Chairman, Shetkari Shikshan Prasarak Mandal, Rethare Bk.

The Sahakar Maharshi , Late. Shri. Jaywantraoji Bhosale, visualized and concluded that the education system has to be a powerful instrument of social, economic and cultural transformation necessary for the development of Rural India. His dream was to develop an education system that would increase national productivity, achieve social & national integration, accelerate the process of modernization and cultivate social, moral and spiritual values. Since its inception, Shetkari Shikshan Prasarak Mandal, (SSPM) has always strived to contribute the cause of rural India.

At this glance, especially in this era of competition in every sphere of life, developing country like ours needs to be at the fore-front of technological innovation. It is essential to attract Engineering professional with world class technical skills to make a significant impact. It is with this motive SSPM has laid the foundation stone of Jaywant College of Engineering and Management, (JCEM), eleven years ago. Since the year 2009, the College has proven itself to be one of the best institutes in the state and this is abundantly reflected in the success of its students in academics.

Considering the long-term goal of the institute, it is our firm belief that the research activities also have to be given a major thrust & all efforts are being made to nurture the same. Proactive efforts are also being made to enhance the teaching learning process in the institute.

During these eleven years, we reiterate our commitment to our cause of creating engineers with not just excellent knowledge, but with a keen sense of social responsibility and consciousness towards the challenges being faced by the country and the rest of the world. Our Country's youth are its greatest asset and we shall continue to nurture this valuable resource in the years to come. Best wishes and warm regards!

HON. DR. ATUL BHOSALE
Managing Trustee,
Shetakari Shikshan Prasarak Mandal, Rethare Bk.

Dear Students, We welcome you to Jaywant College of Engineering and Polytechnic Rethar Bk, Our parent Trust, "Shetakari Shikshan Prasarak Mandal" was established by Late Hon'ble Shri Jaywantrao Bhosale (APPA). Our vision and mission has been to transform rural education system and provide exposure to new opportunities to all the upcoming generations.

Jaywant College of Engineering and Polytechnic, JCEP has been established with a vision to become a leading Engineering Institute in the rural area & make the youth of India globally competent to take on the challenges with ever-expanding fields of technology. The only & only focus of our college is to educate students with our well-versed & proficient faculties using the cutting-edge infrastructure. Since its inception, JCEP has laid a lot of emphasis on quality education. We have devised and launched an in-house network for quality assurance, that relentlessly ranks & keeps an eye on the quality of teaching is being imparted to the students.

We groom & coach every student in a way that they can "blend in" with the corporate world with their great confidence and conceptual clarity. We take pride having a team of dedicated and competent staff members is crucial for providing the best possible education to students. It's also commendable that we focus on staying updated with the latest trends and technologies to ensure that we continue provide high quality education continuous learning and improvement are key elements in staying relevant and effective in any field. The dream is not only to make the students eligible but also to structure them for the industry. Giving them practical exposure to successfully 'fit-in' in their destined job profiles.

We wish our students all the best to outshine and emerge as masters & ground breakers in their chosen lines of careerism.

DR. VINOD BABAR
Principal Advisor,
Shetkari Shikshan Prasarak Mandal, Rethare Bk.

We are taking constant efforts to give maximum output to our students. Our main aim is to provide quality education to the students. We are giving the best platform to the students of rural area to accept the diversified challenges of present corporate world.

Hence, I extend my best wishes to you all for future successful professional career. Jaywant College of Engineering & Polytechnic aims at bringing out a leader, globally competent, innovative and geared to drive the future, out of each student enrolled. To achieve this objective the institute has strategically fortified its position as a pioneer in educational technology, designed in demand of technical programs and curriculum, has brought in a team of competent, renowned and dedicated staff. State-of-the art facilities such as well equipped digital research labs and secure wireless network access been provided to all students and staff from any location in the Tech campus.

The rapid development in the field of technology has accelerated the demand for value based engineering education which is qualitative, progressive, multidimensional and globally competitive. We give the students an ideal learning environment through interactive class–room teaching, tutorials, lab practical's, industrial visits and lectures by industry experts for the industrial exposure of students. Persistent efforts are being made by our placement team to place our students in encouraging and respectable positions in the industry.

I wish best of luck to all the students of this institute for their bright future.

DR. ANANTKUMAR GUJAR
Principal,
Jaywant College of Engineering and Polytechnic, K.M.Gad

I am delighted to welcome you to the Jaywant College of Engineering and Polytechnic. I hope to convey the passion and enthusiasm that both staff and students bring to you, and all that they do here, making Jaywant College of Engineering and Polytechnic, a wonderful place to learn

It is found that the institution has achieved so many feathers to its crown during the last few years. The efforts taken by the Principal, Faculty, Staff and Students to reach this success are commendable. Hope the success sustains. As the Principal of JCEP, I am proud of the changes and achievements of the Institution. In the days to come it will act as a game changer for the Institution by helping the students in the professional and personal development.

I wish you a very happy and academically highly rewarding student life at JCEP and hope that you will enhance the pride and prestige of this esteemed Institution. We are determined to retain this level of superiority already in command and improve further in every sphere of academic activities including research orientation and overall development of the students. The professional involvement of the staff in different academic activities reflected the heights of knowledge to meet the challenges in the technical world.

The College has a rich tradition of soaring high with academic excellence and overall personal growth of the students. The purpose of education is to teach our students to think and develop a capacity to reason out facts and this is achieved by providing them excellent academic environment, state of-the-art infrastructure, state-of-the-art laboratories and dedicated and highly qualified faculty members with decades of teaching and industrial experience. Jaywant College of Engineering and Polytechnic is challenging and yet exhilarating place to learn. I would warmly welcome you to come and visit the college, to experience all that Jaywant College of Engineering and Polytechnic has to offer. Let us together tab the depths of the ocean and explore the universe through the Wings of knowledge and Power of Innovation. This empowerment will imbibe an attitude akin to a positive and proactive thinking.

About
Shetkari shikshan Prasarak Mandal's (SSPM)

> **Hon'ble Jaywantraoji Bhosale (Appasaheb)** recognized the need for good education to the rural masses and thought that education is the proper medium to change the face of rural society. With this great aspiration he founded **Shetkari shikshan Prasarak Mandal** in 1962.
>
> The main objective of this organization is to provide good quality education to rural masses, especially children of farmers, workers and those living in villages situated on the bank of Krishna river covering Karad, Walwa and Kadegaon tahsil.
>
> This organization runs Chh. Sambhaji School (Primary and Secondary) at Shivnagar, Sou.Tarabai Madhavrao Mohite vidyalaya at Rethare Bk., Krishna Mahavidyalaya at Shivnagar (Junior and Senior section), Jaywant Institute of Medical sciences, and Jaywant College of Engineering and Polytechnic, K.M.Gad.

About Institute

S.S.P.M.
JAYWANT COLLEGE OF ENGINEERING & POLYTECHNIC
• INSPIRE • VALUES • SUCCESS

Jaywant College of Engineering and Polytechnic, Killemachindra Gad is established by Dr. Atul Bhosale, under the esteem guidance of well known Oncologist and Vice Chancellor of Krishna Institute of Medical Sciences, Deemed University, Hon'ble Dr. Suresh Bhosale in 2009.

The land owes tribute to the leader, who had brought changes in economic reforms, social awareness, life style changes, prosperity and progress in the lives of people through his dynamic leadership. He believes that to get rid of the darkness, education is the sole tool, so strongly lead an initiative to set up schools and colleges with the global perspective and modern standards that fulfills the requirements of future needs.

Jaywant College of Engineering and Polytechnic is the state of the art technical Institute spread across vast expanse of space in the picturesque and serene land of prospering Jaywantnagar near Krishna sugar factory (YMKSSK) Rethare Bk. Every single thing minutely defines spirit and tradition of the group and the people who dream to make it big for the land and industry.

Pioneers of the
JAYWANT COLLEGE OF ENGINEERING & POLYTECHNIC, K.M.GAD

Prof. M.A. Natu
Vice Principal &
Academic Coordinator

Prof. B.M. Mohite
HOD
Civil Engineering

Prof. R.V. Pethkar
IQAC & HOD
Mechanical Engineering

Prof. A.N. Patil
HOD
Computer Engineering

Prof. M.J. Deshmukh
HOD
Electrical Engineering

Prof. Z.V. Patil
TPO & HOD
E&TC Engineering

Prof. S.N. More
HOD General Science
& Humanities Engineering

Prof. P.G. Jagtap
HOD
Civil Polytechnic

Prof. S.S. Kadam
Head of Gymkhana Section &
HOD Mechanical Polytechnic

Prof. A.K. Gargate
HOD Computer
Polytechnic

Prof. S.S. Bhosale
HOD
Electrical Polytechnic

Prof. P.A. Yadav
HOD
E&TC Polytechnic

Prof. J.B. Jadhav
HOD General Science
& Humanities Polytechnic

Mrs. Y.M. Jambhale
Librarian

Prof. N.S. Pisal
ALUMNI Incharge

Prof. M.D. Patil
IIC & Cultural Head

Prof. S.Y. Inamdar
Institute Website
Incharge

Prof. S.A. Khalkar
Admission Incharge

Prof. S.R. Kadam
Computing Facility
Incharge

Prof. V.U. Chavan
NSS & Social Activity
Incharge

Vision & Mission of the Institute

Vision

To emerge as an institution of eminence following an interdisciplinary, innovative, and entrepreneurial approach to produce competent technocrats who would give affordable engineering solutions for the benefit of society.

Mission

• To develop engineering graduates, for an employability, entrepreneurship, and higher education through effective teaching, learning, and training.

• To provide quality engineering solution to the needy and bring about holistic development in the adjoining rural areas.

• To inculcate strong ethical, moral values and inclusivity in students to work in team for sustainable development.

• To establish research clusters in emerging areas in collaboration with reputed interdisciplinary organizations.

Core Values

Core values adopted by the institute are
• Striving for Academic excellence
•Creating educational opportunities for holistic development.
• Professional ethics and moral
• Commitment towards nature and society

Quality Policy

JCEP is committed to impart quality technical education leading to be one of the best institute in rural area meeting standard norms through a continual improvement to meet the future challenges.

Objectives of the Institution

• To assist the students in bringing out the best of their abilities to become successful professionals.

• To create an excellent academic atmosphere to enable students to acquire a broad engineering background to meet the changing needs of the industry.

• To give an opportunity to acquire all-round development and inculcate sympathetic attitude to the needy and to the under privileged.

• To ensure active participation of students in curricular, Co-curricular and extra-curricular activities.

Programmes Offered

POLYTECHNIC

No.	Programme	DTE Code	Choice Code	Annual Intake
1	Civil Engineering	6313	19110	60
2	Computer Engineering	6313	24510	60
3	Electrical Engineering	6313	29310	60
4	Electronics & Telecommunication Engg.	6313	37210	15
5	Mechanical Engineering	6313	61210	60

B.TECH ENGINEERING

No.	Programme	DTE Code	Choice Code	Annual Intake
1	Civil Engineering	6313	19110	60
2	Computer Engineering	6313	24510	60
3	Electrical Engineering	6313	29310	60
4	Electronics & Telecommunication Engg.	6313	37210	30
5	Mechanical Engineering	6313	61210	60

Salient Features Of Institute

- Excellent Infrastructure with advanced well equipped, well furnished Laboratories, Fabrication Workshop and huge playground
- Techno efficient, highly qualified, well experienced, dynamic & dedicated group of faculty members
- Imparting quality and outcome-based education through strong mentoring scheme under IQAC cell
- Skill based and Industry oriented exposure through add-on courses, expert talks, Industrial Visits and NPTEL courses
- Potential collaboration with renowned industries and eminent organizations for training, placement and consultancies
- Proactive Training & Placement Cell
- Enthusiastic participation of student in University, National & International level competitions, sports and cultural events.

- Research oriented exposure via paper publications, IPR, patents & copyrights to faculty members under IIC
- Responsibilities towards society by active participation of students in social activities under National Service Scheme (NSS)
- Add on facilities such as Bus, Gymkhana, Library, Medical Facilities, Hostel (Girls & Boys), Cafeteria & Secure lavish Green Campus with WiFi facility
- Helping hands to economically weaker students through various scholarships and schemes
- Hand's on experience, project based experiential learning, soft skill, STTP's, and Student centric activities under student association, IE and ISTE chapters leading to holistic development of students.
- Add-on courses of German language and Certificate Course of Spoken English.

Central Facilities

Hostel

Cafeteria

Library

Security

RO Water Purify

Sarita Bazar (Departmental Store)

Admission Counselling

Botanical Garden

Open Theatre

Board Room

Bus Facility

Gymkhana

Conference Hall

Counseling Cell

College Canteen

Playground

Medical Facility

General Store

Central Facilities

CCF

CCF

Open Stage

Parking

Workshop

Workshop

LIBRARY AT GLANCE

About Library

Since year 2009 in a JCEP nutshell, a library is a collection of information resources, both physical and digital, that are available for students to use. The library has made consistent progress in terms of collection of books, periodicals, Video CD's, E-resources, services and has provided dedicated Infrastructure.

Purpose :

The purpose of a library is to freely disseminate knowledge. Our library is therefore operated on a need based approach rather than the usual rules-based treatment given to students everywhere. We allow open access to the collection, conduct book review club, exhibitions and through information literacy we encourage students to read books and access e-resources.

Highlighted Features :

• Library hrs 9.00am to 6pm (24 hrs during Examination)
• Number of Volumes: 18200+
• Number of Titles: 3200+
• Number of E-Books: 500+
• Periodicals : 100+ Newspapers: 10

• National & International Journals Magazines : 70+
• Video Lectures : 800+
• Digital Library with ICT facility: 20 PCs
• Access to online Journals- www.ieee.org . www.ejournals.com,
• IEEE Subscription
• Membership of NPTEL Local Chapter, DELNET, National Digital Library
• Book Bank Facility Available
• Digital Library Software-Open Source digital Library software, OPAC and Autolib is available on intranet

Department of
General Science & Humanities

Vision:

To achieve excellence in quality technical education by imparting fundamental knowledge of science in engineering to build skills and abilities among students.

Mission:

- To empower the students by inculcating various scientific approaches.
- To strengthen soft skills, language skills and managerial skills.
- To develop continuous learning attitude in young engineers for collaborative research for society through industry interactions.

About Us:

The General Science Department is the foundation of engineering. There is no doubt that the application of basic concepts and knowledge in Physics, Chemistry, Mathematics, and Communication skills makes a valuable contribution to the development of skilled engineers. Equipped laboratories, extended classes, highly educated teachers are the salient features of the department.

Department organizes Parent-Teacher association, student interactions and personal counseling for all round development of students. Expert-guided lectures are organized to provide students with information about future business opportunities as well as new technologies. The department is constantly striving for the development of such skills in the students so that they can make their mark on the world stage.

Laboratories:

1) Engineering Physics
2) Engineering Chemistry
3) Engineering Mechanics
4) Engineering Graphics (Drawing Hall)
5) Language Lab

Resources & Facilities:

- Departmental Library & E-resources.
- License Software for Language Lab.

Engineers Drives The World

Department of
Civil Engineering

Vision : To produce civil engineers with entrepreneurial and leadership qualities to serve the society in ethical way by achieving excellence in technology.

Mission :

• To develop soft skills, leadership qualities and professional ethics among the graduates to handle project independently.

• To impart quality education to meet the challenges in the field of civil engineering and betterment of adjoining rural areas.

• To motivate the students to take up higher studies and innovative research projects.

About Us :

The department of civil engineering is established in 2009, has made remarkable progress since then, with capacity of 60 for under-graduate courses. The Civil Engineering department provides all the facilities required to study and understand construction with an eye on environmental friendliness.

Civil engineering is the oldest of the main disciplines of engineering. Civil engineering, the mother branch, has kept pace with the rapid growth in the field of technology. It is that branch of engineering which provides basic amenities required for the survival and maintenance of the environment. These civil engineers built all types of structures, design water-supply, sewer systems, railroads, highways and plan cities.

The department seeks expertise from several branches of Civil Engineering viz. Structures, Soil department and Foundation, Hydraulics and Environmental Engineering, Advanced Surveying etc. The dept. has well qualified and learned faculties with qualification of Masters Degree in Engineering.

The faculty has participated in several academic activities by submitting research papers at national and international levels. They are frequently invited to conduct guest lecturers for students from various institutes.

The Department of Civil Engineering has been offering consultancy and services in testing of building material viz. steel, cement, bricks, Structural auditing, Third party inspection, RCC & Steel design of the structures, Stability analysis, Supervision and Quality control, soil & water testing to several semi Government organizations, private sectors and the local contractors and builders.

Laboratories :

1) Concrete Technology Laboratory   2) Geotechnical Engineering Laboratory
3) Environmental Engineering Laboratory   4) Strength of Material Laboratory
5) Surveying Laboratory   6) Transportation Engineering Laboratory
7) Engineering Geology Laboratory

Resources & Facilities :

• Universal Testing Machine (UTM)   • Compression Testing Machine (CTM)
• Testing & Consultancies   • Advance Surveying
• Departmental Library

Department of
Computer Engineering

Vision : Promoting the Computer Engineering professionals embedded with software knowledge, aptitude for research and ethical values to cater the needs of industry and society

Mission :

- To provide advanced laboratories for creating software professionals, researchers and entrepreneurs.
- To impart professional skills for getting expertise in modern software tools and technologies as per needs of the industry.
- To inculcate teamwork and lifelong learning sense for societal and ethical responsibilities.

About Us :

Department of Computer Engineering of JCEP was established in the year 2009 with an intake of 60 students; where the future of computing resides here, providing techno rich facilities imparting quality of education for students to excel in their field. Department is stood strong with enthusiastic, techno efficient, highly qualified experienced faculty members aiming for outcome based and quality of education. The main focus is to develop practical orientated and conceptual base for students to cope up with project based learning and upcoming thrust areas in Computer Engineering.

Department is equipped with advanced laboratories for boosting students to carry out various innovations, to work on live projects and to carry out research oriented activities. Students are trained through various workshops, seminars, expert talks & internship programs making them skilled professionals having ability to solve real world problems. Department is energetic initiatives by contributing in social activities such as E-governance, E-services, Environment Sustainability etc. It also provides strong support system by giving various types of scholarships for economically

weaker and deserving candidates.

The Computer Engineering department is considered as most trending field of technology in global market; so our aim is to potentially collaborate with various renowned industries to empower the training and placement activities bridging the gap between academics and industry. With mega placement of students in various MNC's; they are sharing their experiences under the umbrella of alumni success stories. Department has proactively accomplished the responsibilities of providing computing facility, IT support and consultancy for computer hardware, networking & maintenance.

Laboratories :

1) Project Laboratory   2) Operating System Laboratory

3) Hardware Network Laboratory   4) Database Laboratory

5) AIML Laboratory   6) Web Development Laboratory

7) Central Computing Facility (CCF)

Resources & Facilities :

- High speed (100mbps) Internet Connectivity
- Hardware & Networking Consultancies
- Virtual Labs for hand's on Exposure
- NPTEL & IE Student Chapter
- Computer availability per student (1:1)
- AC Labs with UPS backup
- E- Resources & Book Bank Facility
- Authenticated License Software's

World is at our Click

Department of
Electronics & Telecommunication Engg.

Vision:

To flourish an environment to produce Electronics and Telecommunication engineers who shall inculcate innovative thinking and social responsibility for betterment of society.

Mission:

• To provide core knowledge by quality and conducive educational environment on latest and emerging technologies.

• To develop attitude for accepting and accommodating creative skills.

• To motivate for implementation of concepts and ideas to develop curiosity amongst the students for betterment of society.

About us:

The availability of affordable means of communication has been one of the electronics' greatest contributions to human society. The telephone, radio, satellite communications, internet, mobile phones each one of these developments has revolutionized the way we live and the way we think about our world.

The technologies continuously emerge with 5G mobile phones offering the possibility of real time high quality video. DSL and broadband wireless systems provide many times the capacity of modern technology bringing increased amounts of information into our homes.

Other examples include advanced wavelength-division Multiplexing schemes, promising vast reduction in cost of long distance data transmission. Soon fifth generation systems will unify all these technologies and users will be able to receive and transmit anything at any time, from anywhere.

All these developments have been fuelled by advances in communication technology. Constantly emerging new protocols and coding schemes, new ways to present videos, images and speech as data. New means of delivering this information to user via cable, optical fiber, and increasingly via radio, these developments are in turn, based on sound engineering principles.

These courses aim to prepare students to play a leading role in the continuing adventure of modern communications researching, Designing, building and marketing the next generation of products.

Laboratories:

1. Embedded system & IoT Lab
2. Advance Communication Lab
3. Project & Incubation Lab
4. Programming Lab
5. Digital Design Lab
6. Microelectronics Lab

Resources and Facilities:

• High speed broadband Internet in all laboratories
• ARM Cortex kits for advanced embedded and IoT projects
• 3 GHz spectrum Analyser for high frequency device testing.

To Bring World Closer

Department of
Electrical Engineering

Vision :
Promoting the electrical engineering education to produce competent professionals and entrepreneurs for sustainable development.
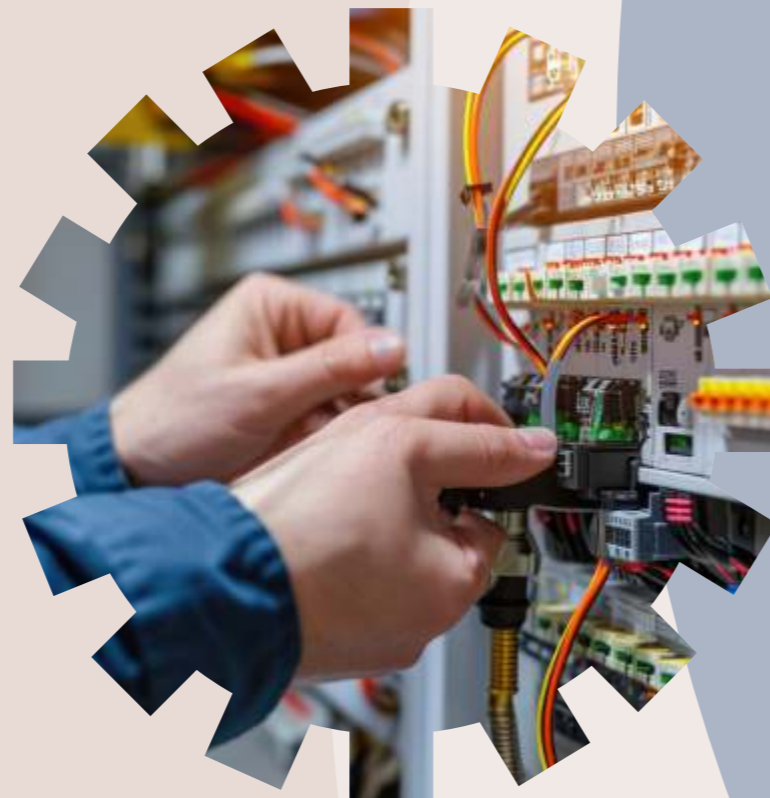
Mission :
- To produce competent electrical engineering professionals by imparting knowledge using modern educational methods.
- To create entrepreneurs by providing state-of-the art resources.
- To inculcate professional and ethical values in students for sustainable development.

About Us :
Department of Electrical Engineering JCEP was established in 2009 with UG program. The department has produced electrical engineers who have aided national and worldwide industrial growth The department has a dedicated team of faculties with a wide spectrum of specialization in Power Systems, Power Electronics & drive and Control systems. Presently it has well-equipped laboratories and excellent computational facilities.

World-class software like MATLAB, Simulink, ETAP, PSIM, Proteus, Lab view are available in the department to work on top-of-the-line projects in various areas of electrical engineering. The Electrical Engineering curriculum is up to date with the industry needs and expectation. The Department is always enthusiastic about conducting various courses and workshops for the faculty and students to permeate technological advances. All undergraduate students can participate in co-curricular and extra-curricular activities leading to holistic personality development.

The Department hosts a diverse and vibrant research portfolio in the areas such as Green Energy, EV,

Optimal Control of Power Flow, UPFC, Efficient PM machines, Renewable Energy, Power Converters and Drives, Power quality analysis, and many more. The Department of Electrical Engineering also has a Center of Excellence in Smart Renewable Energy Systems (SRES). The department in collaboration with the central Training and Placement cell ensures that students are provided with quality placements at the end of their B.Tech degree.

The department has produced alumina have contributed to the success of many top industries: Telco, Siemens, Bajaj, Mercedes-Benz, TATA motors, power industry, Kirloskar, to name a few. The student's senior design projects and research take up real-world challenges along with the various industries and laboratories. Our students have the skills and experience needed to succeed in the field.

Laboratories:
1) Electrical Machine Laboratory	2) Network Theory Laboratory
3) Switchgear and Protection Laboratory	4) Analog and Digital Laboratory
5) Computer Laboratory	6) Power Electronics Laboratory

Resources & Facilities:
- Upgraded Electrical AC and DC machine Lab
- Training of Electrical Work
- Departmental Library
- Licensed Software's

The Power Of Energy

Department of
Mechanical Engineering

Vision:

To excel in mechanical engineering education to develop innovative entrepreneur and competent engineers for the benefit of society.

Mission:

• To produce mechanical engineers and entrepreneurs by innovative teaching and training.
• To educate and mentor students to excel as researcher and designer.
• To strengthen the department repute by engaging the students in technical and social activities.

About Us:

Mechanical engineering is a broad discipline, covering such various topics as aerodynamics, medical devices, energy systems, system control, robotics, new product development, materials development, structural integrity, manufacturing, automotive systems, and space vehicle systems.

The mechanical engineering department offers a solid foundation in mechanical engineering fundamentals as well as the opportunity for students to concentrate their studies in several specific areas of engineering. Because of their comprehensive training and education, mechanical engineers are often called upon to assume management positions.

Mechanical engineers work in many different industries and businesses as product developers, researchers, prototype designers, automotive engineers, aerospace engineers, management consultants, among many others, and many serve in senior leadership positions in their fields. Scope exists in almost every industry including power plants of all types. The mechanical engineering department is having well-equipped facilities, offer you the opportunity to build models and prototypes to demonstrate engineering

design concepts. Experimentation and research are encouraged, including enriching undergraduate research experience.

Department is taking initiatives by contributing in social activities such as road safety, Pollution Control, Environment Sustainability etc. It also provides strong support system by giving various types of scholarships for economically backward and deserving candidates.

Laboratories:

1) Thermodynamics	2) Manufacturing Engg.
3) Theory of Machines	4) CAD-CAM
5) Fluid Mechanics	6) Workshop
7) Heat Transfer	8) Mechatronics

Resources & Facilities:

• High speed (100mbps) Internet Connectivity   • Computer availability per student (1:1)
• Labs with UPS backup   • Departmental Library

World Run When Wheel Turn's

Administrative Governance

1. GB : Governing Council

Governance is the mechanism through which the best possible results are achieved with the limited resources. It is the processes of interaction and decision-making among the stake holders involved in a collective problem that lead to the creation, reinforcement, or reproduction of social norms and institutions. It is the key activity that connects the management, staff, students and the community. We make sure it should be effective, efficient and economical in execution of its duties. We support modern governance and proper administration and believe these should be carried out in a way that actively acknowledges diversity.

2. College Development Cell

College development cell is a committee formed by Institute. The committee is formed with members from Management, teaching and non teaching staff. industry members and students. The committee plays a vital role in institute. The committee is responsible for to prepare and overall development plan of college, to decide about overall teaching program and academic calendar, to review self financing courses, to make specific recommendation on improvement of teaching learning quality, to discuss and make a recommendation on the work done by internal quality assurance committee, to make specific recommendation on finance arrangement of the institute and to prepare annual report on work done by committee for the year ending.

3. Anti-ragging Committee

To ensure compliance with the provisions of these Regulations as well as the provisions of any law for the time being in force concerning ragging; and also to monitor and oversee the performance of the Anti- Ragging Squad in prevention of ragging in the institution.

4. Anti-Ragging Squad

It shall be the duty of the Anti-Ragging Squad to be called upon to make surprise raids on hostels, and other places vulnerable to incidents and having the potential for ragging and shall be empowered to inspect such places.

5. Student Redressal & Grievance

The function of the cell is to look into the complaints given by any student/employee. The Grievance cell is also empowered to look into matters of harassment. Grievance redressal cell has members from teaching staff, one social worker, administrative staff and non-teaching staff for one academic year, every year cell allot the members to the committee. Anyone with a genuine grievance may approach the members from committee in person, or in consultation with the chairman of "Grievance Redressal Cell". The staff and students are notified to put their complaints about administration, accounts, finance, library, academics and hostels etc. In case the person is unwilling to appear in self, grievances may be dropped in writing at the suggestion box of the Grievance Cell at Administrative Block. Grievances may also be sent through form which is available at college to Website to the chairman of the Cell. If the grievances are not within the purview of the committee, then the issues are brought to the notice of the authorities.

6. IQAC

Maintaining the momentum of quality consciousness is crucial in Colleges. Internal Quality Assurance Cell, in fact, is conceived as a mechanism to build and ensure a quality culture at the institutional level. Every College should have an internal quality assurance system, with appropriate structure and processes, and with enough flexibility to meet the diverse needs of the stakeholders. The internal quality assurance mechanism of the institution may be called "Internal Quality Assurance Cell (IQAC)". The IQAC is meant for planning, guiding, and monitoring Quality Assurance (QA) and Quality Enhancement (QE) activities of the colleges. The IQAC may channelize and systematize the efforts and measures of an institution towards academic excellence. It should not be yet another hierarchical structure or record-keeping exercise in the institution; it would be a facilitative and participative organ of the institution.

The IQAC should become a driving force for ushering in quality by working out intervention strategies to remove deficiencies and enhance quality.

7. Placement and Alumni Cell

The Placement and Alumni Cell shall be primarily responsible for the activities related with campus placements and alumni. Organizing various placement activities so as to provide placements to all the eligible candidates. Mechanism for alumni feedback and suggestions from all, as well as schedule and execute Alumni meet along with maintenance of all the relevant database.

8. Research & Development Cell

The Research & Development Cell is responsible for research, design and development of new products or prototypes, analysis of competitive products mainly related with engineering & technology.

9. Skill Development Cell

Skill Development Cell has been entrusted the responsibility to train youth by providing them skills through Institute with objective for enhancing their Employment/ Self-Employment opportunities. The cell is running various schemes to meet its objectives. Major schemes are Pradhan Mantri Kaushal Vikas Yojana for Technical Institutes PMKVYTI, Employability Enhancement Training Programme (EETP), National Employability Enhancement Mission (NEEM), AICTE-Startup Policy, Skill Assessment Matrix for Vocational Advancement of Youth (SAMVAY), Leadership Development Programs, etc.crucial in College, Internal Quality Assurance Cell, in fact, is conceived as a mechanism to build and ensure a quality culture at the institutional level. The IQAC channelize and systematize the efforts and measures of an institution towards academic excellence.

10. Employee Welfare:

This committee works for the benefit and welfare of the all staff and provides a channel to interact with each other. To ensure a pleasant working environment for employees.

A Staff Welfare Committee was organized and Institutional community by promoting a positive and supportive work environment. As Constituent bodies, staff committees must actively provide a forum open communication and constant dialogue between employees. Personnel Committee is in charge be an Advisory and Advisory Body, empowered to make recommendations to all Matters that have a significant impact on the working environment of the entire laboratory. The purpose of the Staff Welfare Committee is to listen carefully, communicate and communicate Identify employee needs based on organization, beliefs, reasons, services and people community. The committee ensures that employees are deeply involved in the community Institutional issues that contribute to organizational success Improve employee growth, happiness and well-being through productive leadership. The Commission does this by encouraging active participation, open dialogue and cooperation between staff, faculty and organizational management.

11.Extra-curricular Enrichment Cell

The Extracurricular Enrichment Cell is responsible for all the activities related with cultural and social events within and outside campus concerned with the college. The coordinator of the Extracurricular Enrichment Cell shall organize, coordinate and execute all the related activities both within as well as outdoor of the college.

12. Parent Teacher Association

The Parent Teacher Association (PTA) in an engineering college is a non-government organization consisting of parents of all students and the teaching faculty. It serves as an active platform for interaction between parents and teachers to enhance academic facilities and excellence. These meetings aim to support the academic journey of students by providing a space for effective communication and feedback exchange.

T&P activities at a glance
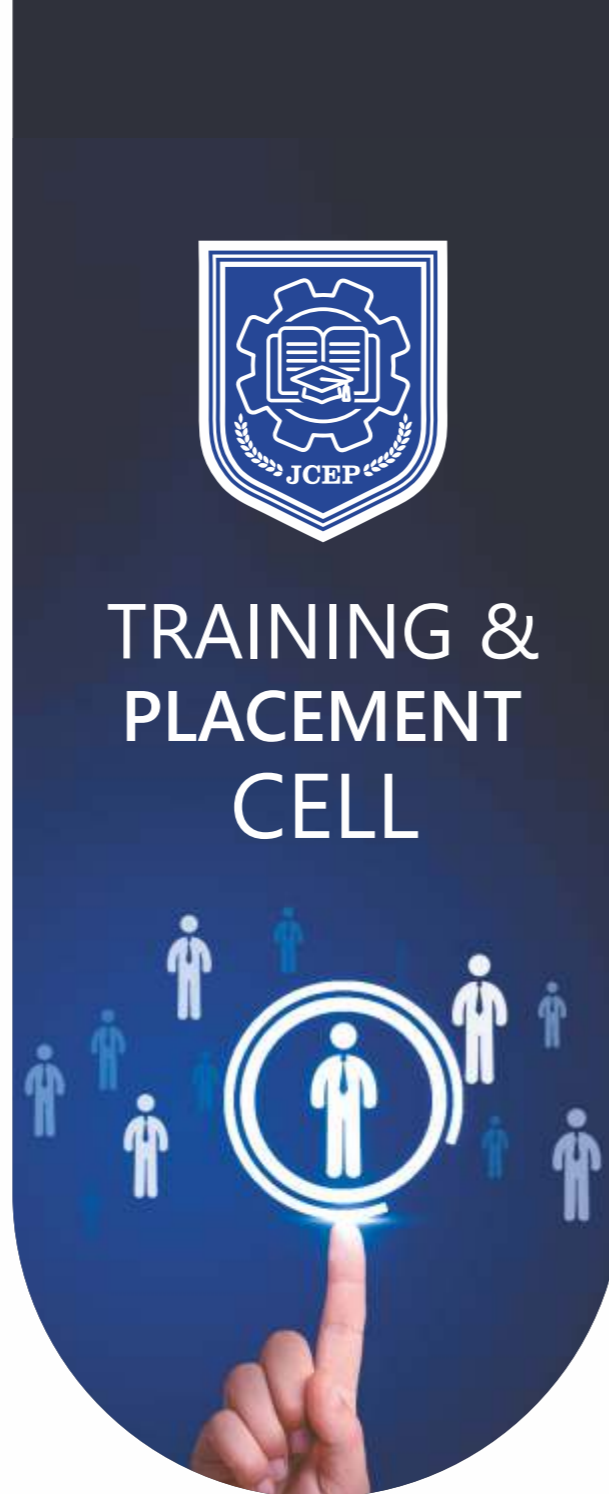
Proactive Training & Placement Cell

• Maximum Salary offered 19 Lacs per year.

• International Placements with Package of 19 Lacs in Saudi Arabia.

• Reputed Core Companies like •MSEB •Reliance Jio •Suzlon •KSB Pumps •Alfa Laval •Wipro •Spark Minda •C-Edge •Cummins •Whirlpool •General Motors •HDFC •Cognizant •Tata Communication •Tata Steel •Amazon •Kirloskar •Siemens •L&T Technologies and many others recruit students of JCEP.

Grooming students for placement drives

• Soft skill and Personality development training programmes by renowned institutions

• Aptitude and Logical reasoning training programmes

• Interview Preparation, Mock GD / PI Sessions Session for Students by Barclays.

• Mock Aptitude Tests (Written and Online) platform for Students.

• Language Lab for improving communication skill and learning foreign Languages.

• Various industry sponsored programmes for improving technical skills in emerging technologies are organised under CSR scheme

Salient features of Placement activities

• Dynamic and proactive T&P cell

• Training schedule for the students starts from their first day in college.

• T&P cell believes in overall development of students and so invites dignitaries from various fields to deliver lectures and to motivate students.

• Cell facilitates vigorous institute – industry collaborations for placement and internship opportunities.

• We thrive to place students not only in industries based in India but abroad too.

TRAINING & PLACEMENT CELL

Our Prominent Recruiters

Industry Institute Interaction Cell

In light of the liberal economic and industrial policy recently adopted by the Govt. of India, the industrial scenario is fast changing. Industries are compelled to export a part of their production and complete with multinationals for the internal market. The emphasis has shifted to quality products and well trained manpower to produce such products. There has been a greater need for industries to depend on technical institutions for R&D and for supply of highly qualified and skilled manpower. Retraining of the work force has become major activity for all industries. There is, thus a good opportunity for institute to interact with industries for mutual benefits.

The Industry-Institute Interaction would accrue mutual benefits when a symbiotic relationship is developed between the two systems. The ultimate aim of this relationship will be the creation of confidence in industry by the Institute which would result industries involving voluntarily the Institute at various stages of its development.

The development of such symbiotic relationship requires, careful understanding of the industry needs such as relevant R&D, cost effectiveness, time bound programmers, technology up gradation etc. by the Institute and, in turn, understanding the capabilities and limitations of the institute by the Industry.

Objective of Cell

• To cultivate strong Industry linkage with the Institute.

• To promote various Industrial activities by the Members of the Faculty and Students.

• To catalyze further Growth and Development of the Interaction between the Institute and Industry.

• To develop close relations to promote Research and Development activities to suit to the needs of the Industries and to have effective consultancy services between Industry and Institute.

• To provide opportunities to the students to get Internships in the Industries to have work-on-hand practical knowledge for professional advancement.

• To create an Industrial Chair in the Institution to enable to visit the Industry Resource persons as visiting Faculty to the Institution.

• To bring about MoUs and Agreements with various top most Industries and Research Organizations in the field of Engineering, Pharmacy and Management for the benefit of the Faculty and students.

• To utilize the State-of-the-art facilities available in the Institution for the better Industry linkage.
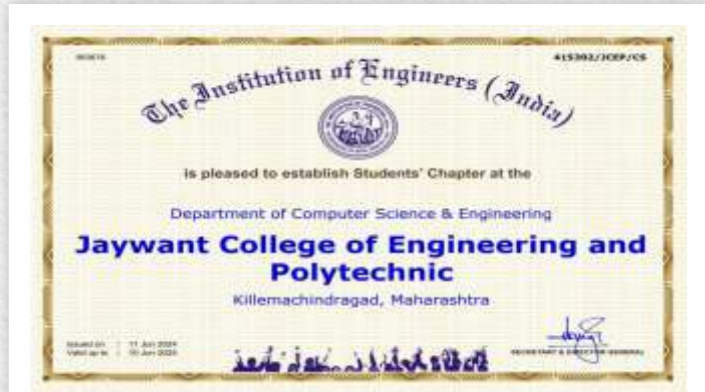
Highlights of Cell -

• No of MOU's = 31+

• No of Students interacts with industry = 112

Pragyan 2K23

IE Chapter

Pragyan Quiz Competition

Technical Event

Avishkar

Avishkar

Cultural Activities

NSS & Social Activities

The National Service Scheme (NSS) unit at Jaywant College of Engineering and Polytechnic, K.M.Gad.

NSS is a central sector scheme of Government of India Ministry of Youth Affairs & Sports. It provides an opportunity to the student youth of 11th & 12th Class of Schools at 12 Board level and Student youth of Technical institution, Graduation & Post graduate at College and University level of Indian to take part in various government led community service activities & programs.

Motto : "Not me but you" which reflects the essence of selfless service to the community.

Objectives :

1) Understand the community in which they work.

2) Identify the needs & problems of the community

3) Develop a sense of social & civic responsibility among students.

4) Develop competence required for group living & sharing of responsibilities.

5) Acquire leadership qualities & democratic attitudes.

6) Practice national Integration & Social harmony.

Activities :

1) Blood Donation Camp

2) International Yoga Day

3) Health Check up

5) Tree Plantation

Benefits of Being a NSS Volunteer :

1) An Accomplished Social leader

2) An efficient administrator

3) A person who understands human nature.

Tree Plantation

Blood Donation Camp

Swachata Abhiyan

Annual Sports Program

Woman Empowerment Cell

Women Cell of College is established with the motto of "towards self empowered mind". The cell aims to empower girl students and faculty, enhance their understanding of issues related to women and to make the college campus a safe place for girls and women and to address the practical issues related to the welfare and equal opportunities for Women faculty, staff and students.

Objectives :

• Identification of strong leadership, change-makers among women and girls and building their capacity.

• To promote a culture of respect and equality for female gender.

• To organize awareness programs on gender sensitization.

• The provision of opportunities and programs for girls and women to be financially, mentally and emotionally empowered to promote their growth as individuals in their own right.

Activities :

• Conduct seminars and workshop to impart knowledge of opportunities and tools available and train the women.

• Arranging seminars to create awareness on the economic, social, political, and legal rights of women.

• Organizing different activities to make women aware of their health, sports, self-defense etc.

• Conducting various competitions to encourage their artistic talents for creative thinking

• To highlight the importance of spirituality, health, hygiene and safety

• Celebration of International Womens Day on March 8th, every year

• To inculcate entrepreneurial attitude among young girls, scientists at the earliest so that they can be "job providers" rather than "job seekers".

• Counseling services for resident and non – resident students

Eligibility And Documents Required for Diploma & Degree Courses

Diploma Eligibility Criteria :

First Year of Post SSC : Maharashtra State Candidature Candidate	Direct Second Year of Post SSC . Maharashtra State Candidature Candidate
(i) The Candidate should be an Indian National; (ii) Passed 10th Std./ SSC examination or its equivalent, with at least 35%	(i) The Candidate should be an Indian National; (ii) Passed 10+2 examination OR 10th + (2 years ITI)
NRI / OCI / PIO	**For Working Professional:-**
(i) Passed 10th Std./ SSC examination at least 35% aggregate marks (ii) Any other criterion declared from time to time by the appropriate authority as defined under the Rules	(i) and (ii) above; (ii) (a) Candidate shall be working professional in Registered Industry / Organization (Central / State) / Private / Public Limited Company / MSMEs located within 50 KM radial distance from the Institute; (b) Candidate shall have Minimum of ONE Year Full time / Regular working Experience

Degree Eligibility Criteria :

First Year Engineering : Maharashtra State Candidature Candidate	Direct Second Year Engineering Maharashtra State Candidature Candidate
i) The Candidate should be an Indian National. (ii) Passed 10th+2 Std. Examination wit PCM or equivalent vocational subject at least35% (iii) MHT- CET at least non zero score (iv) Diploma Completed students.	(i) The Candidate should be an Indian National. (ii) Two year or Three year Diploma completed students. (iii) BSC completed from UGC
NRI / OCI / PIO	
(i) The Candidate should be an Indian National. (ii) Passed 10th+2 Std. Examination with PCM or equivalent vocational subject at least35% (iii) MHT- CET at least non zero score or JEE Main.	

Documents Required for Degree Admission

Class	Open	Category
FY B.Tech	1. MHT-CET mark sheet / JEE mark sheet. 2. NEET mark sheet (For B- Pharm Only) 3. SSC Mark sheet 4. HSC Mark sheet 5. Nationality, Age, Domicile Certificate. 6. Income Certificate 7. Leaving Certificate. 8. Aadhar Card. 9. Document of Ex- Serviceman/ Defence / Handicapped (If Applicable)	1. MHT-CET mark sheet / JEE mark sheet 2. SSC Mark sheet 3. HSC Mark sheet 4. Cast Certificate 5. Cast Validity 6. Non Creamy layer certificate 7.Nationality, Age, Domicile Certificate. 8. Income Certificate 9. Leaving Certificate. 10. Aadhar Card. 11. Document of Ex- Serviceman/ Defence / Handicapped (If Applicable)
Direct Second Year B.tech	1.SSC Mark sheet 2. HSC Mark sheet 3. Nationality, Age, Domicile Certificate. 4. Income Certificate 5. Leaving Certificate. 6. Aadhar Card. 7. Document of Ex- Serviceman/ Defence / Handicapped (If Applicable)	1. SSC Mark sheet 2. HSC Mark sheet 3.Diploma Six Sem mark Sheet 4. Cast Certificate 5. Cast Validity 6. Non Creamy layer certificate 7.Nationality, Age, Domicile Certificate. 8. Income Certificate 9. Leaving Certificate. 10. Aadhar Card. 11. Document of Ex- Serviceman/ Defence / Handicapped (If Applicable)

Documents Required for Diploma Admission

Class	Open	Category
FY	1. SSC Mark sheet 2. HSC Mark sheet (if any case) 3. Nationality, Age, Domicile Certificate. 4. Income Certificate 5. Leaving Certificate	1.SSC Mark sheet 2. HSC Mark sheet 3. Cast Certificate 4. Cast Validity 5. Non Creamy layer certificate 6. Nationality, Age, Domicile Certificate. 7. Income Certificate 8. Leaving Certificate.
Direct Second Year	1.SSC Mark sheet 2. HSC Mark sheet (PCM) 3. 10+2 ITI 4. Nationality, Age, Domicile Certificate. 5. Income Certificate 6. Leaving Certificate	1. SSC Mark sheet 2. HSC Mark sheet 3. 10+2 ITI 4. Cast Certificate 5. Cast Validity 6. Non Creamy layer certificate 7. Nationality, Age, Domicile Certificate. 8. Income Certificate 9. Leaving Certificate.

Admin Office

Sections

- General Admin
- Establish Section
- Account Section
- Student Section
- Exam Section
- Scholarship Section
- Hostel
- Security
- Transport
- Reprographic Section

Reach Us With

KRISHNA FAMILY

Krishna Institute of Medical Sciences University

Krishna Vishwa Vidyapeeth

1. Krishna Institute of Medical Sciences
2. Krishna Hospital and Medical Research Centre
3. School of Dental Sciences
4. Krishna Institute of Nursing Sciences
5. Krishna College of Physiotherapy
6. Department of Science
7. Krishna School of Pharmacy
8. Krishna English Medium School(SSC)
9. Krishna Primary School(CBSE)
10. College of Education D.Ed.English Medium

Krishna Foundation

1. Jaywant International School, Wathar, Karad.(CBSE)
2. Krishna English Medium School and Junior College, Wathar, Karad.(SSC)
3. Sou. Jaymala Jaywantraoji Bhosale Krishna English Medium School Shere, Karad.
4. Krishna College of Commerce and Science, Wathar, Karad.(BCA & BBA)

5. Krishna Institute of Computer Application and Management, Wathar, Karad.(MCA)
6. Jaywant Institute of Management, Wathar, Karad.(MBA) Krishna Kala Mahavidyalaya, Wathar, Karad.
7. Adarniya Jaywantraoji Bhosale Adhyapak Vidyalaya, Wathar, Karad.
8. Shrimant Jayshreemaladevi Naik-Nimbalkar Institute of Management Studies,Phaltan(MBA)

Shetkari Shikshan Prasarak Mandal

1. Chatrpati Sambhaji Vidyalaya Shivnagar Karad
2. Sou. Tarabai Madhavrao Mohite Vidyalaya Rethare(Bk.)
3. Krishna Mahavidyalaya Junior College (Arts, Commerce, Sciences) Rethare (Bk.) Karad
4. Krishna Mahavidyalaya Senior College (Arts, Commerce, Sciences) Rethare(Bk.)Karad
5. Jaywant College of Engineering And Polytechnic, Jaywantnagar, K.M.Gad.
6. Jaywant Institute of Medical Science and Jaywant Ayurvedic Hospital & Reseach Center, K.M.Gad.
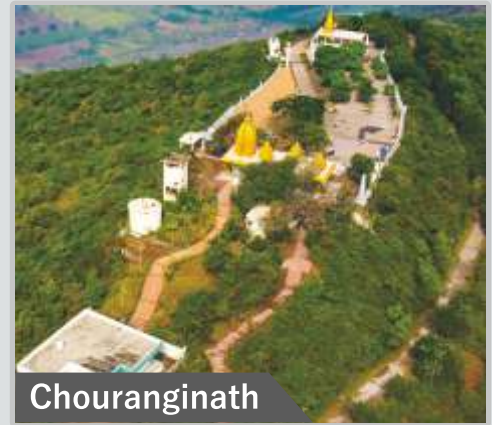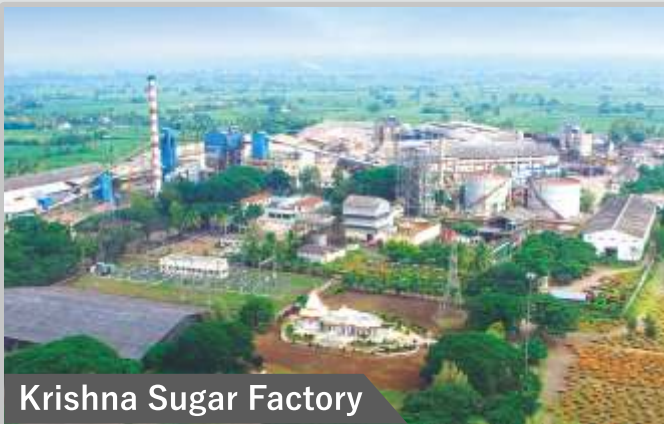
Near by Tourist Places

Machindragad

Ramling Bet- Bahe

Narsimha Temple

Chouranginath

Krishna Sugar Factory

Sagareshwar Forest

S.S.P.M.
JAYWANT
COLLEGE OF ENGINEERING & POLYTECHNIC
• INSPIRE • VALUES • SUCCESS