



Established in 1947

# Walchand College of Engineering

An Autonomous Institute Approved by AICTE

## Our Strengths

- All Departments are NBA Accredited
- NAAC Accredited with 'A' Grade
- 4<sup>th</sup> Ranking Institute in Maharashtra
- Granted: TEQIP Phase I, II, III
- State of Art Library
- High Quality of Education
- Interdisciplinary Subjects
- Student Transfer Scheme
- 100% Placement and Internship
- Research Centre Affiliated to SUK
- Active Participation in Sports



Industry Sponsored  
Research Centres and MoUs



WCE ANNUAL REPORT  
2017-18



## OUR ACADEMIC TOPPERS

(AY 2017-18 Result Declared on June 2018)

UG	Mechanical	Civil	Electrical	CSE	IT	Electronics
F. Y. B. Tech.	 ABHIJEET ABHAYKUMAR PACHORE	 CHAITALI RAJIVKUMAR MENTE	 TANAY NAGENDRA KEJRIWAL	 ROHIT PRASAD KUL-KARNI	 SAURABH PRASHANT PANDE	 SIDDHI SURYAKANT NANDREKAR
S. Y. B. Tech.	 NISHANT VINOD BHORKAR	 Vishvesh Hanumantrao Kodihal	 NISHANT TANAJI KADAM	 Jinesh Selvasadan Nadar	 AKHIL ANIL PATIL	 VINOD SITARAM PATIL
T. Y. B. Tech.	 Manthan Nitin Dhisale	 PRANIT PRAKASH YADAV	 Vijay Ramchandra Gole	 SUKHADA VIJAY GHEWARI	 Vatsala Satpal Singh	 Ritu Sharad Patil
Final B. Tech.	 MAHESH PRALHAD NANAVARE	 Omkar Ashok Kadam	 Kartik Kumar Patil	 Deepak Tatyaji Ahire	 SONAL KHUSHALDAS JAJOO	 Mayoddin Shabbir Nathani

PG	Production	Heat Power	Design	Environmental	Structural	Control System	Power System	CSE	CSE-IT	Electronics
F. Y. M. Tech.	 VISHWAJEET VJAYSINSH PATIL	 SHITAL SUKUMAR MONE	 PRATHAMESH H RAMESH JAGTAP	 MITIL MEGHANATH KOLI	 SACHIN KASHINATH SONNAD	 POONAM MANIK SHINDE	 RAHUL HANUMANT SAWANT	 ABHIJEET MAHAVEER CHOUGULE	 MADHURA RAJENDRA GAIKWAD	 CHINMAY RAGHUNANDAN HASABNIS
S. Y. M. Tech.	 Nilesh Vijay Desai	 Swapnil Navnath Jadhav	 Rohit Mohan Kodole	 Shreeniwas Madhav Sathe	 Yash Parag Shah	 Nupoor Nandkumar Patil	 Punam Dilip Borkar	 Gaurav Vinodrao Deshmukh	 Rashmi Aba Mestri	 Poornima Pomsing Rathod

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## About Walchand College of Engineering...



**Late Shri. Dhondumama  
Sathe**

Walchand College of Engineering, Sangli is one of the oldest and renowned technical institutes in Maharashtra. This college was started as a "New Engineering College" in the year 1947 by late Shri. Dhondumama Sathe. The College was renamed as "Walchand College of Engineering" in 1955, after a substantial financial support extended by Seth Walchand Hirachand Memorial Trust. The management and Control of the college was transferred to Administrative Council with all movable and immovable properties since 1956. The college now imparts education for AICTE recognized / approved diploma, degree, post graduate and Ph.D. courses in engineering.

The Autonomous Status has been awarded to the college by the Government of Maharashtra and UGC in the year 2007. UGC extended this Autonomy for second term in 2014 till 2020. We participated in the World Bank funded Government of India scheme, "TEQIP" (Technical Education Quality Improvement Program) Phase I project and we received second rank all over India, out of 127 national institutes, in its program impact assessment survey in 2010. WCE is successfully continued its journey in TEQIP phase II in upgrading the Post graduate and Research infrastructure. WCE has received Rs. 15.00 Crore. Now the Institute is selected for TEQIP Phase –III from April 2017-March 2020. In TEQIP-III Walchand College of Engineering, Sangli will Mentor Jabalpur College of Engineering, Jabalpur to upgrade their status. Out of 18 Engineering Colleges from Maharashtra who were involved in TEQIP-II only 8 are now selected for TEQIP-III.

College is equipped with more than 800 Computers, state of art software, 380 MBPS fully functional (24X7) internet connectivity, and intranet with fiber optic backbone. In 2008-09 Seth WHM Trust donated a New Library building named as Ajit Gulabchand Central (AGC) Library with more than 1,00,000 volumes, more than 2000 international e-Journals, plus Hard copy journals (national and international), etc.

### Brief History

**1947** – Established on **23<sup>rd</sup> June 1947** by Late Shri **Dhondumama Sathe** as: **New Engineering College, Sangli** One of the oldest engineering Colleges in the State of Maharashtra (90 Acres Land)

**1955** – Name changed to: **Walchand College of Engineering**

**1971** – **First** in Shivaji University Kolhapur (SUK) area to start **PG programs** and **Only Research Center** in engineering till 2004.

**1977** -- Started receiving 90% **Grant in Aid from Government of Maharashtra**

**2003** -- First College in SUK to get NBA Accreditation for 5 UG Programs

**2007** -- Selected for **TEQIP** Phase –I. Institute became **Autonomous** (**1<sup>st</sup>** college in SUK area).

**2012** – First College in SUK to get NBA Accreditation for 5 PG Programs. Selected for **TEQIP** Phase –II.

**2014** – UGC **Extended the Autonomy** till 2020

**2016** – NAAC Accreditation: 'A' Grade. Selected for TIFAC Funding from RGSTC.

**2017** -- Selected for **TEQIP** Phase –III. Mentoring Jabalpur College of Engineering, Jabalpur.



## Chairman's Profile ....

**Mr. Ajit Gulabchand**, Chairman and Managing Director of Hindustan Construction Company Ltd., has spearheaded the transformation of the company from a construction major into a diversified infrastructure group of global scale, developing and building responsible infrastructure through next practices. With a group turnover of over Rs. 9867 Cr (US \$ 1.47 billion), HCC's businesses span across Engineering & Construction, Real Estate, Infrastructure, Urban development & Management.

Mr. Gulabchand hails from a family of nation builders who have made a significant contribution to the development of modern India. A graduate of Mumbai University, Mr. Gulabchand previously served as Chief Executive Officer of Indian Hume Pipe Co. and as Managing Director of Ravalgaon Sugar Farm. He became Managing Director of HCC in 1983, and Chairman in 1994.

Under Mr. Gulabchand's leadership, HCC continues the illustrious tradition set by his predecessors. The group has a knowledge asset of more than 2500 officers, including around 1,600 engineers. It employs more than 22,000 workers at its project sites across India. The result is a business that plays a leading role in meeting the huge infrastructure needs of India, leveraging best-in-class equipment and technology, knowledge-driven processes and innovation-led next practices.

The HCC Group of companies comprise of HCC Ltd, HCC Infrastructure Ltd, Lavasa Corporation Ltd, Highbar Technologies and Steiner AG in Switzerland.

Mr. Gulabchand is the visionary behind the concept of the planned hill city, Lavasa. The master plan of the city, which is being built to the highest environmental standards, has won international awards for sustainable urbanism. Lavasa is seen as the blueprint for the many future cities India will need as it responds to massive rural-to-urban migration. The Indian states of Gujarat and Karnataka already have concrete plans to develop Lavasa-like cities.

### SOCIAL AND ENVIRONMENTAL RESPONSIBILITY

Corporate social responsibility is intrinsic to Mr. Gulabchand's vision for the HCC group. Its initiatives encompass Disaster Relief, Water Sustainability, Education and HIV/AIDS awareness.

Disaster Relief forms a significant area of focus at HCC, under the aegis of Mr. Gulabchand's sustainability canvas. He is the Chair of the Disaster Resource Partnership, formed in coordination between the World Economic Forum's Engineering and Construction Member and Partner companies. He is also the founder member and Chairman of Disaster Resource Network India, wherein he has steered emergency response teams and rehabilitation to a number of locations struck by natural disasters in India and abroad. He is a member of the Advisory Board United Nations Disaster Risk Reduction – Private Sector Partnership.

Recognizing the emerging water crisis and with a view to make water sustainability a corporate priority, Mr. Gulabchand became the first Asian signatory to endorse the United Nations' CEO Water Mandate. HCC has demonstrated its water consciousness and commitment to water conservation by implementing a series of rigorous and improved water management practices at its project sites. HCC has also promoted the advocacy of actions and measures at various national/international forums towards the optimum utilisation of water.

The HCC case study highlights its efforts towards water neutrality and showcases its initiatives at its projects. HCC was awarded "Global Sustainability Leadership Award for "Best Community Action" – HCC's Community Development Project – 'Ujjivana'.



**Mr. Ajit Gulabchand**

## Chairman's Profile ....

### GLOBAL ENGAGEMENTS

Mr. Gulabchand holds leadership positions in several key industry bodies. He is a member of the Governor's Steering Board of the Infrastructure and Urban Development Community at the World Economic Forum, Geneva and co-chaired the community in 2016. He is a former President of the International Federation of Asian and Western Pacific Contractors' Associations (IFAWPCA) – a body that promotes international fellowship and cooperation in developing beneficial relationships between governments and contractors. He is the Chairman of the Governing Council of the Construction Skills Development Council of India and President of the Construction Federation of India. He is also member of UK India Business Council (UKIBC) Advisory Council - a body for companies seeking to explore the Indian market. Mr. Gulabchand has also been a frequent invitee to ministerial business delegations from the Government of India to various countries aimed at attracting foreign investments into the Indian infrastructure sector. He is also member of the National Council of the Confederation of Indian Industry and member of committees on Skills, Infrastructure & Construction and Ease of doing business.

Alongside his responsibilities at HCC, Mr. Gulabchand has been a vocal advocate of sustainable development and is regarded as a spokesperson for India's infrastructure sector in global forums. A regular participant at the World Economic Forum (WEF) for over two decades, Mr. Gulabchand was the first Asian to Chair the Governor's Steering Board of the Engineering & Construction Community at the WEF in Davos, 2011. He also served as a Co-Chair at the WEF's India Economic Summit in 2010. He is the only Indian business leader to participate on panels at the United Nation's Annual Summit on Climate Change, as well on the United Nation's Global Compact Summit. He is an Executive Committee member of TERI's (The Energy and Resources Institute) Council for Business Sustainability. He is also a member of Board of Trustees – New Cities Foundation: a non- profit institution which seeks to incubate, promote and scale urban innovations through collaborative partnerships between government, business, academia and civil society.

Mr. Gulabchand is a strong supporter and patron for several technical institutions in India. He is the Chairman of the Board of Trustees and Board of Governors of the National Institute of Construction Management and Research (NICMAR) and Chairman of the Administrative Council of the Walchand College of Engineering.

Mr. Gulabchand is a recipient of the 'Infrastructure Leader of the Year' Award from CNBC TV18.

Chairman, Administrative Council			
Sr. No.	Name	From	To
1	Shri N. Dandekar	1956	1968
2	Seth Lalchand Hirachand	1968	1974
3	Seth Bharat G. Doshi	1974	1975
4	Seth Lalchand Hirachand	1975	1981
5	Shri M.S. Parkhe	1981	1983
6	Seth Vinod L. Doshi	1984	1994
7	Justice Shri B. N. Deshmukh	1994	1996
8	Shri Ajit Gulabchand	1996	Onwards

## Directors Message ....

Walchand College of Engineering, established in 1947, is one of the oldest engineering colleges in India. Since its inception, Walchand has never wavered from its path to triumph and making it large. It keeps producing world class engineers every year, who not only satisfy the technical needs that help develop the country but also fulfill the needs of the world by being up to date and environmentally caring.

The institute has recently restructured its laboratories, bringing in modern and advance Grade equipment for helping students become technically strong and accomplishing substantial milestones. Faculty, staff and students strive for the goals of making our institute deliver to the country, a brilliant and talented generation of engineers every year.

The institute has strong industry and institute association. We have developed many of our labs with the help of industrial sustenance. With this collaboration most of our labs are state-of-the-art with technologies used in the eminent industries. Our alumni have made the college proud with their success. Their achievements help the future generation of graduates by providing them with industrial knowledge and experience.

The faculty members of our institute are research oriented, thereby promoting our students to favor such paths too. R & D is right now the prime of any industry and we support our students to be involved in such activities. With a state-of-art Central Library with national/international journals and a massive number of reference books for every subject and specialized books on various topics, our students find it very easy to develop a research oriented mind-set. We encourage work on research projects helping them grow professionally and making them systematic and multidiscipline oriented.

In accordance with our Vision and Mission, we devote ourselves to create graduates with inquisitive minds who have a perpetual desire for knowledge. We believe in our students growing from all aspects. Our graduates should not only be technical aces but they should also be good human beings, hence we nourish our students to make them ethical, moral and virtuous so that they serve their purpose of helping this country and making it a better place to live. For this we support technical, cultural, social and sports activities. These help them become strong team players, to boost their confidence and to inculcate in them the qualities to achieve their goals and become world class leaders.

The institute is governed by Administrative Council which was reconstituted in 1956. The chairman of the Administrative Council who guided the progress of the institute with their vision to the path of glory:



**Dr. G.V. Parishwad**

Principals at WCE Sangli Before Autonomy			
SN	Name	From	To
1	Prof. G.N. Gokhale	1947	1948
2	Prof. K.V. Kardile	1948	1949
3	Prof. C.G. Kale	1949	1951
4	Prof. G.R. Vartak	1951	1955
5	Prof. V.K. Kelkar	1955	1967
6	Prof. G.C. Kanitkar	1967	1975
7	Prof. S.D. Pathak	1975	1979
8	Prof. P.A. Kulkarni	1979	1997
9	Dr. B. Subbarao (I/c)	Jan-1998	Sep-1999
10	Dr. N.K. Sane (I/c)	Oct-1999	Jan-2000
11	Prof. A.R. Yardi (I/c)	Jan-2000	Jun-2000
12	Dr. P.J. Kulkarni	Jun-00	Jan-02
13	Prof. A.R. Yardi (I/c)	23-May-02	20-Dec-02
14	Dr. S.D. Madnaik	21-Dec-02	31-Jul-04
15	Prof. A.R. Yardi (I/c)	1-Aug-2004	31-Oct-2006

Directors at WCE Sangli After Autonomy			
SN	Name	From	To
1	Dr. N. V. Deshpande	01-Nov-2006	30-Sep-2007
2	Prof. A.R. Yardi (I/c)	01-Oct-2007	12-May-2009
3	Dr. Y. V. Joshi	13-May-2009	1-Jul-2013
4	Dr. P. J. Kulkarni (I/c)	02-Jul-2013	25-Feb-2014
5	Dr. G. V. Parishwad	26-Feb-2014	Till date



## Director's Address to Outgoing Students on 8<sup>th</sup> Graduation Day Ceremony (on 30<sup>th</sup> May 2018) ....

It is my honour to welcome respected Chief Guest of today's function, **Dr. Subhash Bhamre**, Union Minister of State for Defense, GoI; Guest of honour, **Dr. Devanand Shinde** Sir, Vice Chancellor, Shivaji Uni., Kolhapur; **Shri Sanjay Kaka Patil**, Member of Parliament and Member of our Administrative Council and President of MTE Society; **Shri Vijay Pusalkar**, Member of our AC and Chairman of MTE Society and **Shri Ajit Gulabchand**, Chairman of Administrative Council of Walchand College and Chairman and Managing Director of HCC; invited dignitaries, guests, media persons, all graduating students and their family members, Faculty, Staff, ladies and gentleman; I welcome you all on this occasion of graduation ceremony of the **eighth** batch of engineers of autonomous Walchand College of Engg, Sangli.

Today 455 B.Tech. students who have graduated this year and 220 M.Tech. who graduated last year a total 675 will be awarded their certificates. On behalf of the entire Walchand Community, I congratulate all of them for the successful completion of their graduation programs.

I am glad to present before you the Annual Report for the academic year 2017-18. The list of achievements is so big that it is difficult to cover them in 5 to 10 minutes. I will mention just a few highlights.

National Institute Ranking Framework (**NIRF**) **Rankings** for 2018 announced by the MHRD. WCE Sangli is placed in the rank-band of 101-150 among 861 engineering institutions.

In addition to Shivaji Uni. affiliated and QIP Research Centre this year Walchand College, is selected by AICTE for National Doctoral Fellowship Scheme (**NDF**) among 22 Engineering Colleges from India.

After successfully completing World Bank Funded Project TEQIP-I & II now Walchand College is also selected for Third phase of **TEQIP** wherein it is mentoring Govt College of Engineering, Jabalpur.

A 125 kW Rooftop Solar Power Plant (costing Rs.50 lakh) is installed on Main Building of WCE. This will be saving of about Rs.1.75 lakh per month in light bill.

This year we have inaugurated **Product Innovation Lab** in Mechanical Department supported by Dassault Systems, Pune. We have also renovated Incubation and Entrepreneurship Cell in and established IPR Cell and Start-up Cell at Institute level.

7<sup>th</sup> Alumni Meet was organized at WCE, Sangli in January 2018. **Dr Omprakash Kulkarni**, a well-known Scientist and consultant to Prime Minister Shri Modi, was the Chief Guest.

Sangli-Miraj-Kolhapur Entrepreneurs Forum arranged an event '**Sangli-First**' in February 2018 at WCE Campus. Showcasing of Industries & Infrastructure of Sangli.

## Result Analysis and Academic Achievements

Out of the total 496 appeared, 455 (92%) B.Tech. students have completed their Examination in the first attempt. 390 students have secured first class and above. For M.Tech. all 220 students in 10 programmes have successfully completed their post-graduation in their first attempt with First Class.

- In this Academic Year, many of Walchand students have excelled in different Competitive exams.
- **UPSC-2018 Results:** Shri Ajinkya Katkar; Swagat Patil; Ajay Kumbhar; Shashank Mane; and Vaibhav Waghmore are the five WCE alumni selected for the Indian Administrative Service.
- **GATE-2018 Results:** 113 WCE students qualified this exam. Shri Kapil Zambre and Kshitij Wangade (Mech-2018) **AIR-8 and 40**; Shri Anand Pisal (CSE-2018); Akshay Jawale and Anand Joshi (Mech-2017) are the top five Achievers.
- **CAT-2018 Results:** Shri Rishikesh Prabhu (Mech-2017)-CAT Percentile 99.34%; Shri Pranav Gupta; Ms. Nidhi Shah; Shri Prafull Desai (CSE-2018); and Shri Shreyash Dhabekar (Civil-2018); are the top five Achievers.

Hearty Congratulations to these students for their excellent achievements.

**Placements:** This year till now: 75 Companies have Visited;

Placement: UG-306 (73.6%); PG-56 (30.4%);

Annual Average Salary: Rs. 4.89 lakh;

- Omkar Jadhav and Deepak Ahire – CSE students got selected in **MICROSOFT** with annual CTC of **Rs. 37 lakhs**. This is the highest package offered by any company in Maharashtra colleges (except NITIE and IIT Mumbai). Omkar Jadhav also got selected at media.net company with **Rs.29.63 LPA** and Barclays with **Rs.11 LPA**. Nine students got selected in **BPCL** with CTC of **Rs.17.63 LPA**. Shubham Sawant from IT got selected in Direct-i with package of **Rs. 15.7 LPA**.
- This year 7 Students from WCE got selected in Assistant Motor Vehicle Inspector (AMVI) Exam-2017 in RTO Office

Hearty Congratulations to all students who are placed. The placement is still going on so best of luck to the remaining students.

## Other Achievements of the students

- This year 22 students from First Year got selected for **Siemens Scholarship**, which takes care of their total fees and all other expenses for four-year graduation program.
- This year 103 UG and 76 PG students went to different Industries for their **Project Internship**; three students from Electronics and one from Civil went to COE, Pune to study for one semester.
- A State Level Event **Hackathon-2018** was organized in March 2018 for the first time at WCE Sangli. Total 18 teams participated in this 24-hour event. WCE team was the winner.
- **Ms Sayukta Dongare** from F.Y. Mechanical who had played as a Captain of Maharashtra State team in Junior (U-19) National Handball competition in December 2017 also got selected in 16-member Maharashtra Senior Girls Team and played at Chennai.
- **Shri Veerdhawal Naikawadi**, from F.Y. Mech. was selected and played as a member of Maharashtra State team in Junior (U-19) National Kabaddi competition at Cuttack in December 2017.
- **Shri Pranav Gupta**, and **Ms. Nidhi Shah**, Final Year B.Tech CSE, Visited NAGAOYA, Japan in October 2017 and presented a research paper at IEEE Conference.
- Three Students from T.Y. CSE, Nayana Satpute, Rohit Kumbhare, and Puja Borude participated in **Indo-Canada Project competition** held at MCCIA, Pune in June 2017.
- A State Level Project Competition **“DIPEX-2018”** was organized in March 2018. 260 Projects of Diploma, Degree and PG students were displayed.
- WCE Team of 24 students participated in **Robocon-2018** in March 2018 at Pune. Achieved 38<sup>th</sup> Rank among 110 teams.
- **Mr. Swapnil Deshmukh**, from TY Electronics won the First prize of 150 Euros in the State level Finals of IET's Present Around the World competitions on presentation skills. He will now participate in Asian Finals in Colombo on 5<sup>th</sup> August 2018.
- National Level Technical Event **VISION-2018** was organized at WCE Sangli in March 2018. About 2500 students participated from 62 colleges.
- WCE Students participated in National Project Competition: “Design and Fabrication of Efficient Electric Driven Tricycle” in November 2017 at Jalandhar. WCE team won 4 Awards.
- Shri Sameer Dinkar Patil, Alumnus WCE, Sangli (BE-Electronics-2002), now in TCS, **swam English Channel** from England to France on 16<sup>th</sup> September 2017.

- WCE Mechanical students participated in **national GO-CART competition** at Noida, New Delhi in January 2018 and won the best design and fuel economy prizes.
- WCE team participated at **e-Baja 2018** competition organized by SAEINDIA in January 2018 at Indore. 25 members WCE Team bagged multiple awards worth Rs. 90,000/-.

## Faculty Activities

The Institute has highly qualified and dedicated faculty.

- In the year 2017-18, 6 Faculty Smt. V.B. Girgaonkar; Dr SB. Joshi; Smt. Prachi Sohoni; Dr. SB. Kadam; Shri SG. Tamhankar; & Smt. S.P. Sonavane; and 2 PhD Scholars- Shri Sachin Patil and Smt. Archana Kale visited Poland, Australia, UK, Malaysia, Turkey and USA presented Research Papers at the Int. Conferences.
- Dr. Smt. Agashe from Electronics Department received **AICTE grant** to organize a seminar in December 2017 on 'Pedagogical Aspects in Signal Processing'.
- Dr. S.N. Tande, Professor and HOD Applied Mechanics is selected as a Member of High Rise Committee of Kolhapur Corporation.

With this brief overview, I once again congratulate all the successful graduates and post-graduates and wish you all a memorable, meaningful and rewarding career. I also compliment your parents and guardians, who have contributed in your success.

Thank you all. Good luck. Jai Hind!



## Highlights of Annual Report 2017-18....

- **7<sup>th</sup> Graduation-Day Ceremony** was held at WCE, Sangli on 26<sup>th</sup> May 2017. Dr. Devanand Shinde, the VC of Shivaji University, Kolhapur was the Chief Guest of the function. Chairman of Administrative Council, Shri Ajit Gulabchand presided over the function. Administrative Council members Shri Sanjaykaka Patil, Dr. P.S. Patil, Shri R.P. Purohit and Shri C.N. Gandhi and others were present for the function.
- **7<sup>th</sup> Alumni meet** was organized on 13<sup>th</sup> January 2018. Consultant, Dr. Omprakash Kulkarni, (Dip in Industrial Electronics-1972); Scientist from ISRO, Shri Anant Patki (B.E. Mechanical-1965); Prof. Hemant Abhyankar, (B.E. Electrical-1965); Shri Sunil Gosavi (B.E. Electronics-1990) VP for 4G Reliance JIO, Maharashtra & Goa; Mrs. Arpita Majumder (B.E. Electrical-1993) Co-founder and COO of company Kyazoonga were felicitated as distinguished alumni during this function. AC member Shri Sanjaykaka Patil, MP Sangli addressed the alumni.
- This year for the first time AICTE has allotted 5 students to WCE Sangli for PhD through **National Doctoral Fellowship** out of total 32 allotted in six engineering colleges in Maharashtra and 132 allotted all over India in 22 engg. colleges.
- A **National Conference on 'Recent Trends in Mechanical Engineering'** (NCRTME-2017) was organized by the department of Mechanical Engineering during 29-30<sup>th</sup> June 2017. Dr. Vivek Kamat, DTE, Goa was the Chief Guest for the Inauguration Ceremony.
- **AICTE** has selected WCE, Sangli for the prestigious **Margadarshan Scheme** of funding of Rs. 22 lakh to work as a Lead Institute in the region and guide nearby colleges for their development. Earlier COEP was selected for similar funding.
- **Dr. Om Prakash G. Kulkarni**, (Alumnus, Dip in Industrial Engg-1972) visited WCE on 23<sup>rd</sup> Sept. 2017 to help in finalizing our Roof Top Solar Power Plant. Dr. Kulkarni is a well-known scientist and **consultant to the Prime Minister**, the Indian Railways and the King of UAE, in Automation, Instrumentation and Energy Management. He also interacted with faculty and students and gave a talk on "Opportunities in various areas to write Funded Project Proposals and importance of IPR".
- **125 kW Rooftop Solar Power Plant** on Main Building of WCE was inaugurated on 13<sup>th</sup> January 2018 at the hands of Consultant and WCE Alumni Dr. Om Prakash Kulkarni.
- Shri Anant Patki (Alumnus, B.E. Mechanical-1965) visited WCE on 3<sup>rd</sup> November 2017 and gave lecture on '**India's Mission to MARS**' for faculty and students. Shri Patki, retired as 'Outstanding Scientist' from ISRO Satellite Center, Bangalore worked on Aryabhata, Bhaskara, APPLE, ROHINI and INSAT spacecrafts during his 36 years. He also interacted with PG and PhD students and faculty on Modelling, Simulation and Hardware of Space Systems.
- Dr. G.V. Parishwad, Nominated as a **Member of Board of Governors** of Board of Apprentice Training (BOAT-WR), Mumbai for three years. He attended 113<sup>th</sup> BOG Meeting on 10<sup>th</sup> February 2018 at Mumbai.
- The Final **Statutory Financial TEQIP-II Audit** of WCE, Sangli was carried out by S.K. Patodia and Associates, Mumbai on 19<sup>th</sup> August 2017 by examining all the related documents till 31<sup>st</sup> March 2017. The CA in his report has mentioned that all the documents and data were fairly presented and are acceptable as per ICAI accounting Principles.
- Dr. G. V. Parishwad, Director, Dr. V.B. Dharmadhikari, TEQIP-Coordinator, Dr. K.S. Gumaste, Nodal Officer (Finance) and Shri. S.G. Tamhankar Nodal Officer (Procurement); **visited JEC-Jabalpur** during 23-27<sup>th</sup> January 2018 and prepared Action Plan of the twinning program of TEQIP-III.
- Dr. V.B. Dharmadhikari, Dr. (Mrs.) Shaila Subbaraman, Dr. G.R. Munavalli and Dr K.G. Gumaste visited Jabalpur Engineering College during 22-27<sup>th</sup> May 2018 to guide them for preparing **NBA-SAR proposals**.
- Ms Sayukta Dongare from Solapur, F.Y. Mechanical who had played as a **Captain of Maharashtra State team** in 40<sup>th</sup> Junior (under-19) National Handball competition during 10-17<sup>th</sup> December 2017 is now selected in **16-member Maharashtra State Senior Girls Team** for 46<sup>th</sup> **National Handball** Tournament played during 3-8<sup>th</sup> February 2018 at Chennai. Total 24 teams participated, Maharashtra stood 6<sup>th</sup>.

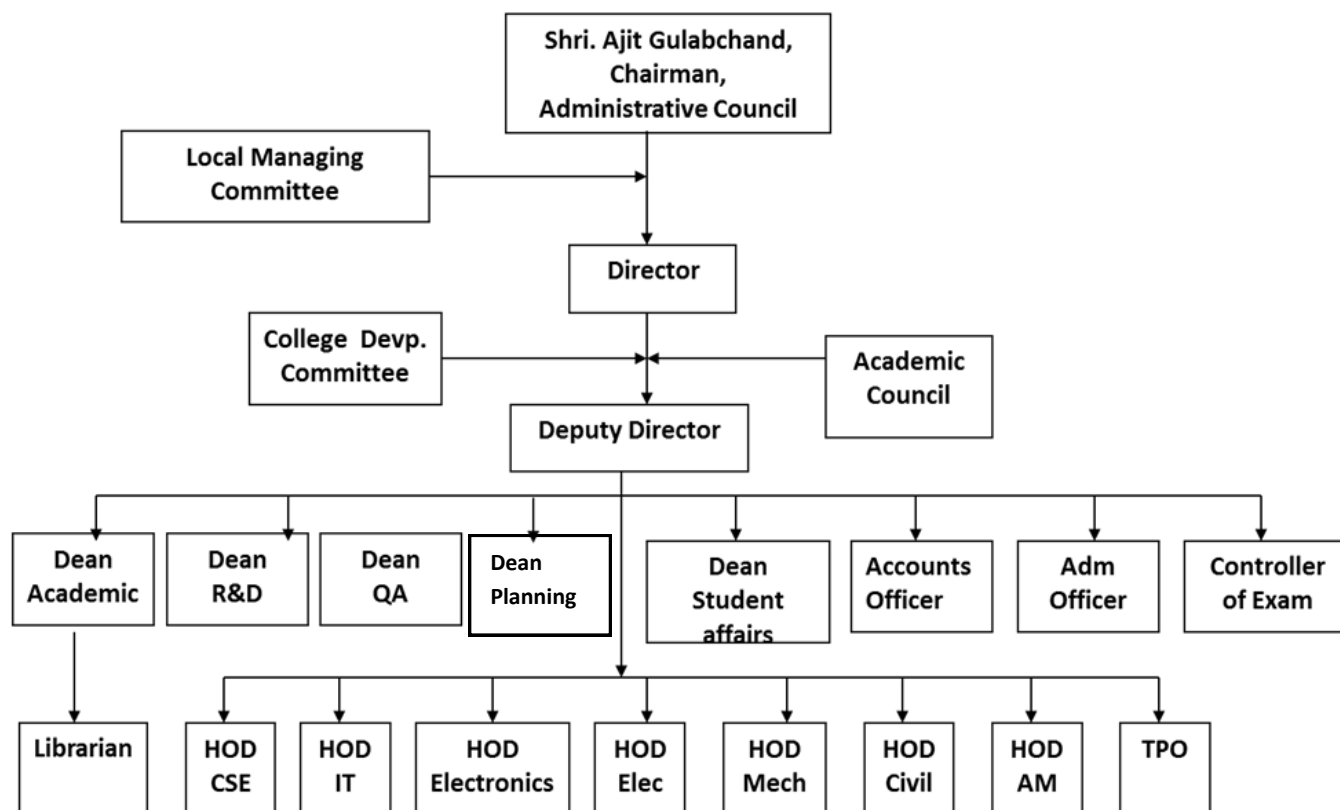
## Highlights of Annual Report 2017-18....

- Shri Pranav Gupta, and Ms. Nidhi Shah, Final Year B.Tech CSE, **Visited NAGAOYA, Japan** on 24-26<sup>th</sup> Oct 2017 and presented a paper at “6<sup>th</sup> Global IEEE Conference on Consumer Electronics”.
- WCE Students participated in National Project Competition: “Design and Fabrication of Efficient Electric Driven Tricycle” in **EFFICYCLE’17** during 26<sup>th</sup> Oct. to 6<sup>th</sup> Nov. 2017 at Lovely Professional University, Jalandhar. Out of 64 teams, 27 qualified for tests. WCE team won 4 Awards: Runner up in Acceleration; First to complete all qualifying Test; Best Girl Participant to Ms Bhavika Patil; Best Faculty Advisor to Shri A.U. Paranjape.
- Shri Sameer Dinkar Patil, Alumnus WCE, Sangli (BE-Electronics-2002), now in TCS, **swam English Channel** from England to France on 16<sup>th</sup> Sept. 2017 in 15 h 19 mts.
- Four **National Level Events**: “Open Source Day”, “METAMORPHOSIS” and “Techno-wizard”; by CSE and IT Departments and “VERTEX” by Mechanical Department; and one-week Community Service program ‘Adhyaya-2017’ organized by Rotract Club of WCE Sangli in the last three months.
- Three Students from T.Y. CSE, Nayana Satpute, Rohit Kumbhare, and Puja Borude participated in **Indo-Canada Project competition** held at MCCIA, Pune on 8<sup>th</sup> June 2017. They presented a Project on “Home Automation using Internet of Things”.
- In 2017-18: **76 companies visited WCE** and selected 307 UG (73.6%) and 60 PG (32.6%) students. Dream Offers: 160
- Omkar Jadhav and Deepak Ahire – CSE students got selected in **MICROSOFT** with CTC of **Rs. 37** Lakh per annum (**LPA**). This is the highest package offered by any company in Maharashtra (except IIT Mumbai & ICT Mumbai). Omkar Jadhav also got selected at media.net company with **Rs.29.63 LPA** and **Barclays** with **Rs.11 LPA**.
- Nine students (2 CSE, 3 Mech & 4 Electrical) got selected in BPCL with CTC of **Rs.17.63 LPA**. Shubham Sawant from IT got selected in Direct-i with package of **Rs. 15.7 LPA** last month.
- **22 students** from First Year (9 Electronics, 6 CSE, 4 Mechanical, 2 IT, and 1 Electrical) got selected for **Siemens Scholarship**, which takes care of their total fees and all other expenses for four-year graduation program.
- WCE Mechanical students participated in national **GO-CART competition** at Noida, New Delhi from 17-20<sup>th</sup> January 2018 and won the best design and fuel economy prizes.
- WCE team participated at 11<sup>th</sup> series of **e-Baja 2018** by SAEINDIA competition during 24-28<sup>th</sup> January 2018 at Pithampur, Indore. Out of 388 teams participated, 221 teams were qualified for the final round. The event involved students designing, fabricating, testing and racing a single-seater ATV (All-Terrain Vehicle). 25 members WCE Team AARYANS bagged multiple awards worth Rs. 90,000/- as follows:
  - 1) Winner - sales and marketing,
  - 2) Winner - sledge pull
  - 3) Felicitation for best new driver to Swapnil,
  - 4) Runner up - lowest cost evaluation,
  - 5) Runner up- engineering design

# 1. INSTITUTE, TEACHING, LEARNING & RESOURCES

## 1.1 Organizational Chart and Various Major Committees

Policies Approved by the Administrative Council are implemented by the Director and his team at the Institute level. The **Organizational Chart** of the Institute is given below:



The institute is governed by Administrative Council. The **Administrative Council** was formed in 1956.

- The Institute is governed by an autonomous body - **Administrative Council**.
- Constitution of **Administrative Council** (A.C.) is Six members from Trust
- Government Nominees as under
  - \* Two AICTE nominees
  - \* DTE, Mumbai
  - \* AICTE (RO), Western Region
  - \* Shivaji University, Kolhapur Nominee
  - \* GoM Nominee
  - \* Two Teaching Faculty
  - \* Director of the institute (Member Secretary)

Frequency of Meetings of AC : 4 times in a year

SN	Name of Member	Representing
1	Mr. Ajit Gulabchand, CMD, HCC, Mumbai	Chairman
2	Mr. Sanjaykaka Patil, MP, Sangli	Member, Trust Nominee
3	Mr. Vijay Pusalkar, Industrialist, Pune	Member, Trust Nominee
4	Dr. V.N. Gupchup, Ex. Principal, VJTI, Mumbai	Member, Trust Nominee
5	Mr. C.N. Gandhi, Industrialist, Pune	Member, Trust Nominee
6	Mr. R.P. Purohit, HCC, Mumbai	Member, Trust Nominee
7	Dr. Amit Dutta, WRO, AICTE, Mumbai	AICTE Ex-Officio, Member
8	Shri Shrirang Kelkar, Industrialist, Sangli	AICTE Nominee
9	Director Technical Education, Mumbai	DTE, Ex-Officio, Member
10	Yet to be received	State Govt Nominee
11	Dr. Shivajirao Kadam, VC, BVU, Pune	UGC Nominee
12	Dr. P.S. Patil, Physics Dept, SU, Kolhapur	Shivaji Uni. Nominee, Member
13	Dr. G.V. Parishwad, Director, WCE, Sangli	Director and Secretary
14	Mrs. Shalaka Gulabchand Dhavan	Management Invitee
15	Dr. P.G. Sonavane, Dy. Director, WCE, Sangli	Faculty representative
16	Dr. A. P. Vaidya, Dean R & D, WCE, Sangli	Faculty representative



The next Important Committee is **Local Management Committee**: to support and guide the Institute locally. Six members of the committee are nominated by Administrative Council, while 3 members are elected from Faculty and one from support staff. The names of present Local Management Committee are given below:

Constitution by post	Function
<b>Chairman:</b> Shri. Shishir Shirgaonkar, CMD, Ugar Sugars Industries <b>Members:</b> Smt. Prabhatai Kulkarni, Industrialist Shri Ravindra Purohit, Management Representative. Shri Ashok Sawant, Entrepreneur Shri Suresh Patil, Chairman, Lathe Edu. Society Shri Shriniwas Patil, President Alumni Association. <b>Elected faculty Members:</b> Dr. M.M. Waware, Associate Professor Shri K.V. Madhale, Assistant Professor Shri A.U. Paranjpe, Assistant Professor Shri S.S. Kulkarni, Non-teaching staff Dr. G.V. Parishwad, <b>Member Secretary</b>	-To recommend to the higher authorities the <b>schemes for better functioning and governance</b> of the college -To prepare & recommend, <b>financial budget</b> of the college for approval from higher authorities To recommend, <b>filling of teaching and non-teaching</b> positions to higher authorities Frequency of meeting: <b>Twice a year</b>

Local Management Committee (LMC) meetings are held twice a year.

**As per the New Maharashtra Public University Act-2016 The Local Management Committee will be now replaced with College Development Committee.**

**Various other important Sub-Committees to support Administrative Council are:**

In addition to the above two committee's various other Sub-committees are formed for decentralization of power and for smooth functioning of various activities and implementation of policies.

As per the Administrative Council Rules for WCE, Sangli passed by General body of MTES on 20<sup>th</sup> November 1956 and amended by AC on 9<sup>th</sup> July 1971 and on September 1977 three important other committees formed are Finance Committee, Building Committee and Equipment Committee were approved by the Administrative Council in the Meeting No. 217 Dated. 22<sup>nd</sup> November 2016. The sub-committees are as follows:

1. Finance Committee	
1. Chairman of the Council	Shri Ajit Gulabchand
2. DTE or his nominee	Dr. S. K. Mahajan
3. RO- AICTE or his nominee	Shri R. Unnikrishnan
4. Nominee of MTES	Shri Deepak A. Shinde
5. Member	Shri R. P. Purohit
6. Member	Shri Chakor Gandhi
7. Member Secretary	Dr. G. V. Parishwad
8. Permanent Invitee	Dr. P. J. Kulkarni
2. Building Committee	
1. Chairman of the Council	Shri Ajit Gulabchand
2. DTE or his nominee	Dr. S. K. Mahajan
3. RO- AICTE or his nominee	Shri R. Unnikrishnan
4. Exec. Engineer, PWD, Sangli	Shri Devendra Jadhav
5. Outside Expert Member	Dr. V. N. Gupchup
6. Head, Civil Dept	Shri V. D. Salkar
7. Head, Structural Dept.	Dr. S. N. Tande
8. Member Secretary	Dr. G. V. Parishwad
9. Permanent Invitee	Dr. P. J. Kulkarni / Dr. K. S. Wagh

3. Equipment Committee	
1. Chairman of the Council	Shri Ajit Gulabchand
2. DTE or his nominee	Dr. S. K. Mahajan
3. RO- AICTE or his nominee	Shri R. Unnikrishnan
4. HOD of concerned Dept.	Civil/Mech/Elec/Eln/CSE/IT
5. Member	Shri R. P. Purohit
6. Member Secretary	Dr. G. V. Parishwad
7. Permanent Invitee	Dr. P. J. Kulkarni
4. HR Development Committee	
1. Chairman of the Council	Shri Ajit Gulabchand
2. DTE or his nominee	Dr. S. K. Mahajan
3. RO- AICTE or his nominee	Shri R. Unnikrishnan
4. HR Expert	To be decided
5. Member	Shri R. P. Purohit
6. Member Secretary	Dr. G. V. Parishwad
7. Permanent Invitee	Dr. P. J. Kulkarni

**Key Functionaries at the Institute level:**

Prof. Dr. G.V. Parishwad	Director
Prof. Dr. P.G. Sonvanve	Dy. Director
Dr. G.R. Munawalli	I/c Dean-Academics
Dr. K.S. Gumaste	I/c Dean-Quality Assurance
Prof. Dr. A.P. Vaidya	Dean-Research & Development
Dr. V.D. Salkar	I/c Dean-Planning
Dr. B.G. Patil	I/c Dean-Students Welfare
Mr. S.B. Dhaigude	TPO & I/c Dean-Industry & Alumni Interactions
Prof. Dr. V.D. Salkar	HOD-Civil Engineering
Prof. Dr. U.A. Dabade	HOD-Mechanical Engineering
Dr. D.S. More	I/c HOD-Electrical Engineering
Dr. B.G. Patil	I/c HOD-Electronics Engineering
Dr. B.F. Momin	I/c HOD-Computer Science Engineering
Dr. Mrs. S.P. Sonavane	I/c HOD-Information Technology
Prof. Dr. S.N. Tande	HOD-Applied Mechanics
Shri K.V. Madhale	I/c HOD-Science & Humanities
Prof. Dr. D.B. Kulkarni	I/c Registrar
Mr. D.B. Hankare	I/c Librarian
Shri M.K. Chavan	Controller of Examinations
Dr. S.B. Kadam	Chief Rector
Mr. S.B. Tamhankar	OSD-Legal
Mr. R.G. Bhosale	I/c Vice Principal Polytechnic Wing

**Organization and Governance:**

- Budget gets approved in AC meeting held in February
- Yearly Financial audit and statements of accounts are approved in the AC meeting of May every year
- Graduation Ceremony function is organized every year in May. First held in May 2011
- Approval for the proposal of Purchase of high end equipment, major construction activity, appointment of faculty, etc. is sought in AC meeting
- Local Managing Committee (LMC) acts as bridge between management and institute.

**Other Institute Level Committees:**

Institute Related Committees	Direct Student Related Committees
Academic Committees: Academic Council Academic Standing Committee Board of examinations Purchase Committee Building and Works Committee Library Committee Campus Maintenance Committee Admission TEQIP Implementation Unit Internal Quality Assurance Cell (IQAC)	- Gymkhana - Hostel - Canteen - Training and Placement - Discipline - Grievance - Anti-Ragging

**Academic Council**  
(Apex Academic Body)

Constitution	Function
<b>Chairman:</b> Director <b>Member Secretary:</b> Dean Academics <b>Members:</b> All HoDs All Professors Four Associate Professors One expert each from industry, education, Law Nominees of SUK	Scrutinize and approve BoS proposals. Prepare and approve academic RRs. Proposals for new programs and academic activities

**1.2 Academic Programs and Admissions (Diversity) Details of AY 2017-18:****Intake of Diploma Programs**

Sr. No.	Program	Starting Year & Current Intake	
		Diploma	
1	Civil Engineering	1955	40
2	Electrical Engineering	1955	60
3	Mechanical Engineering	1955	60
4	Industrial Electronics	1970	40
<b>Total First-Year-Intake*</b>			<b>200</b>

\* 20% Lateral Entry at Second Year

**Intake and Status of NBA Accreditation: UG Programs**

Sr. No.	UG Programs	Starting Year	Intake	NBA-I	NBA-II	NBA-III	NBA-IV
1	Civil Engineering	1947	60	2003-08 (5)	2016-21 (6)	--	--
2	Mechanical Engineering	1955	60	2003-06 (3)	2007-12 (5)	2016-18 (2)	--
3	Electrical Engineering	1955	60	2003-06 (3)	2007-12 (5)	2016-18 (2)	--
4	Electronics Engineering	1986	60	2003-06 (3)	2007-12 (5)	2016-18 (2)	--
5	Computer Science Engineering	1986 2000	60 90	2003-06 (3)	2007-10 (3)	2013-15 (2)	Applied
6	Information Technology	2001	60	2016-18 (2)	--	--	--
<b>Total First Year Intake</b>			<b>390 + TFWS 20 + NRI 39 + Gulf 19 (= 468) + DSY 78</b>				

\* 20% Lateral Entry at Second Year, NBA for **CSE** IS applied



### Intake and Status of NBA Accreditation: PG Programs

Sr. No.	PG Programs	Start Year	Current Intake	NBA-I	NBA-II
1	Civil-Environment Engineering	1971	18	2013-16 (3)	Applied
2	Civil-Structural Engineering	1971	30	2012-15 (3)	2016-21 (5)
3	Mechanical-Production Engineering	1995	30	2013-16 (3)	Applied
4	Mechanical -Design Engineering	1971	30	2012-15 (3)	2016-18 (2)
5	Mechanical -Heat Power Engineering	1971	18	Applied	
6	Electrical-Control Systems	1971	18	2012-15 (3)	2016-18 (2)
7	Electrical-Power Systems	1971	18	Applied	
8	Electronics Engineering	1987	30	2012-15 (3)	2016-18 (2)
9	CSE-Computer Science Engineering	1998	30	**	
10	CSE-Information Technology	2012	18	2016-21 (5)	
Total First Year Intake			<b>240</b>		

#### PhD Programmes:

- Recognized Research Center of Shivaji University, Kolhapur (SUK) in all the disciplines of Engineering since 1971.
- Produced **26 Ph.D.s** in last five years; Currently **69** registered with SUK
- Also Recognized QIP **Minor Research Centre** of Central government with two Ph.D. seats for each branch (except IT) from 2012 (Total 10). Currently **07** registered for Ph.D. under QIP scheme in different departments.

#### Academic Practices:

- Department level academic
  1. Academic policies by respective Board of Studies, (BOS)
  2. Academic monitoring by Department Advisory Board, (DAB), HoD/ program coordinator, Department Academic Coordinator, (DAC), class coordinator, course teacher under the guidance of Dean Academics
  3. Course assessment/evaluation by respective faculty coordinated by Department Examination Coordinator, (DEC) under the guidance of HoD/Dean Academics/CoE
- Conduct of MSE and ESE, result processing, result analysis by Examination cell under the guidance of Controller of Examination, (CoE).
- Internal and external Academic quality audits coordinated by Dean QA and IQAC cell
  1. E-course book
  2. Question paper audit
  3. Course delivery
- Biometric attendance system for faculty, staff and students
- Close monitoring of academic activities as per Academic Calendar

#### Recruitment Procedure and its effectiveness

- Recruitment rules of faculty and staff are strictly as per the GoM, DTE norms
- Every year the advertisements for faculty on regular basis are published in national/regional newspapers.
- A committee with University and DTE nominees and Experts from other reputed Institutes select faculty.
- Vacant faculty positions are filled on contract basis. (Twice in a year).
- RTI Disclosures

### 1.3 Faculty (Regular & Contractual), Faculty-Student Ratio, Staff Strength for UG in 2017-18:

	Sanctioned	Regular	Ad-hoc	Total
<b>Degree Faculty</b>				
Professor	14	9	9	18
Associate Prof.	27	11	1	12
Assistant Prof.	68	53	45	98
<b>Total Faculty</b>	<b>109</b>	<b>73</b>	<b>55</b>	<b>128</b>
<b>Diploma Faculty</b>				
Vice Principal	1	0	0	01
HOD	4	3	0	03
Lecturer	34	24	35	59
TPO	1	1	0	01
<b>Total Faculty</b>	<b>40</b>	<b>27</b>	<b>16</b>	<b>62</b>
<b>Non-Teaching Staff</b>				
Technical	65	44	12	56
Class IV	91	49	23	72
Administrative	46	28	17	45
<b>Total Staff</b>	<b>202</b>	<b>153</b>	<b>52</b>	<b>173</b>

#### Faculty (Cadre)

Faculty position: 2017-18

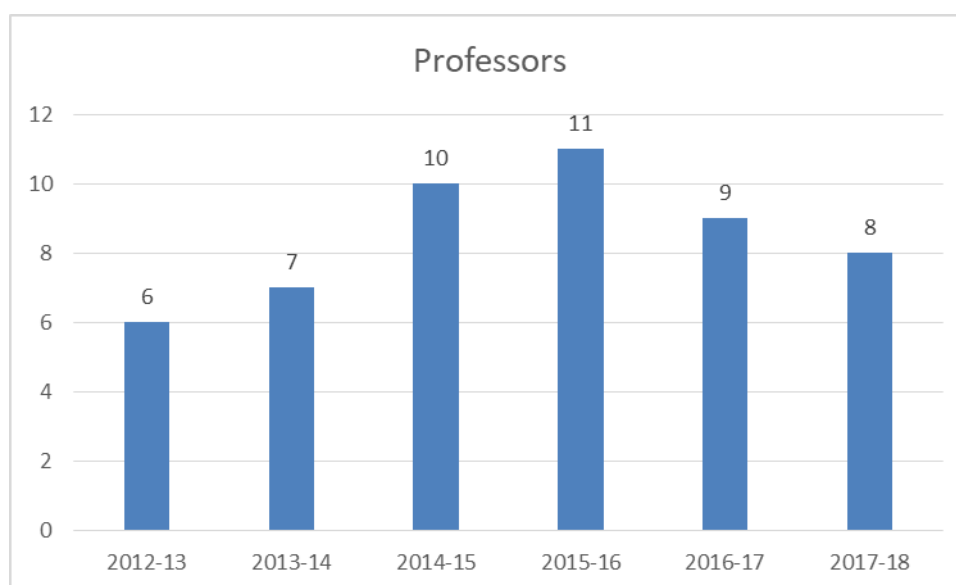
Positions	Teaching Faculty						Non-teaching Staff		Technical	
	Professor		Associate Profes- sor		Assistant Professor					
	M	F	M	F	M	F	M	F	M	F
Sanctioned posts	23		39		80		138		64	
Recruited (Regular + Contractual)	8+8	1+1	8+1	2+0	45+26	8+19	71+38	6+2	44+11	0+1
Total	18		11		98		114		56	

**Faculty Diversity:** 70-75% from WCE, 25 – 30% from other colleges in Maharashtra or other states

**Visiting faculty:** 5 to 10%

### 1.4 Faculty qualifications and experience:

#### Faculty Cadre: Professor

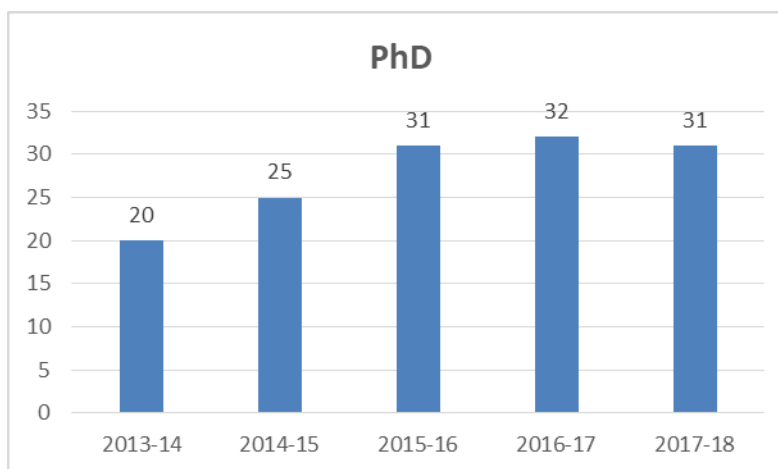


## Faculty Qualification

### Regular Faculty position: 2017-18

	PhD			PG+UG			Total			Total
	P	AsP	AP	P	AsP	AP	P	AsP	AP	
Civil	2	3	2	0	1	3	2	4	5	11
Mech	3	2	1	0	0	10	3	2	11	16
Elect	1	1	2	0	3	4	1	4	6	11
Eln	1	5	0	0	4	3	1	9	3	13
CSE	0	2	0	0	0	4	0	2	4	6
IT	1	1	2	0	0	4	1	1	6	8
PCM	0	2	0	0	2	3	0	4	3	7
<b>Total</b>	<b>8</b>	<b>16</b>	<b>7</b>	<b>0</b>	<b>10</b>	<b>31</b>	<b>8</b>	<b>26</b>	<b>38</b>	<b>72</b>
<b>Total</b>	<b>31</b>			<b>41</b>			<b>72</b>			

### Faculty Qualification: Ph.D



Registered for Ph.D.: 18

## 1.5 Library and Laboratory Facilities, Infrastructural Development:

### Physical Resources: Central Facilities

- Ajit Gulabchand Central Library
- Central Computing facility
- Class room complex (Quadrangle)
- Workshop
- Examination Cell
- Hostels (D1-D8, Cyber, New Block)
- Tilak Hall (Auditorium)
- Gymkhana and sports
- Water Filtration plant and distribution system
- Power substation and Generator set
- Reprographic Facilities
- Dispensary
- Post office (Opposite to college premises)
- Bank (Services are extended during admissions)
- Faculty residences and staff quarters

### Ajit Gulabchand Central Library

- **State of art Building** with excellent ambience
- **Enough** Reading and stacking **space**
- **Rich collection** of print and digital material
- **Rich collection** of bound volumes of periodical [first issue 1919]
- Rich **book bank Scheme**
- Round the clock **study room** and **digital library** facility
- Web based OPAC and digital library
- **Open access** in the library

### Ajit Gulabchand Central Library Collection

S.N.	Title	Qty
1.	Books	HI-55552 +BB-38412= Total Books-93964
2.	Print journals and Magazines	121
3.	E- Journals and E-books	E-Jr-839, IEEE Standards & Conference =33428 & E-Bk-2163
4.	Total No. of PG Dissertations	2498
5.	Educational Video Cassettes	77
6.	Microfiche	1700
7.	Total No. of A.V. Cassette	19 sets
8.	Total No. of CD's /DVD's	CD-3338 & DVD-563



**Library Internal view**



**Ajit Gulabchand Central Library**

As institute is 68 year old many institute facilities such as class rooms, hostels, laboratories, Internal Roads, Sport Facilities needed renovation in order to improve the Infrastructure. In last academic year such renovation works were carried out by Dean Planning and his team in the Institute. The amount spent on this was about Rs. 2.00 Crores.

Also through TEQIP many high end equipment worth 5.68 Crores were purchased in different Laboratories to develop the research infrastructure. A few of the major equipment are given below:



## Research Facilities

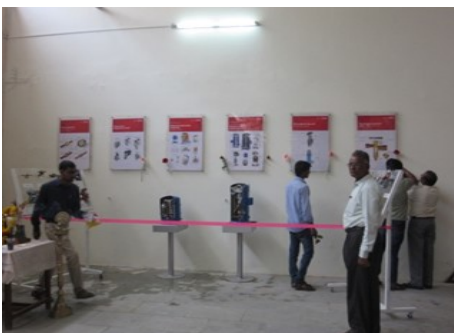
In TEQIP-I during 2004-08 WCE, Sangli received Rs.8.65 Crore for the development of UG Infrastructure. This helped us to purchase basic equipment in all the laboratories so that the entire UG practical can be conducted. We replaced all old experimental set ups with new one. In TEQIP-II we received Rs. **Rs. 12.5 Crores** (2012-16) of Funding to develop the PG and Research infrastructure. The Institute purchased **Rs. 5.68 Crores** of funds to purchase the research equipment. Some of the major equipment purchased during this period is as follows:



### Advanced Manufacturing (AML)/CNC Lab

Total Investment of Rs. 1.5 Crore

- Integrated Multi-function CNC Machine
- S50 CNC EDM Machine
- CNC Lathe Machine
- Automatic Guided Vehicle (AGV)
- Micro Vickers Hardness Tester
- Z-Cast & AFDEX Simulation Software
- LASER Machine
- VMC



**Danfoss Lab**



**John Deere Research Lab**

John Deere Sponsored Embedded System Lab in the Electronics Department and Danfoss supported Refrigeration and Air Conditioned Lab in the Mechanical Engineering Department.

Now most of the laboratories in the entire departments are equipped with basic and research equipment. Also these labs are refurbished to give them the modern look. Photos of Some of the sample labs are given below:

**Metallurgy Lab****Geotechnical Engg Lab****Power Quality and Harmonics Lab****Industrial Electronics Lab****Database Engineering Laboratory****Microprocessor Lab**

## 1.6 Sports and Extra-Curricular Facilities

Walchand College of Engineering, Sangli is having almost all Indoor and Outdoor Sports Facilities. It is utilized by the students during University Zonal Matches, Gathering Sports and National Sports Event Elan-west organized every Year with students from engineering colleges from all over the country participate in the sports competitions. The Photographs of the few facilities are shown below:

**Indoor Sports Facilities: Gymnasium, Badminton, Table Tennis, Carom, Chess, etc.**

**State of The Art Wooden Badminton Court (Vartak Hall) and fully equipped Gymnasium**





**Carom and Table Tennis**

**Outdoor Sports Facilities: Cricket, Football, Volley Ball, Basket Ball, Tennis Courts, Jogging Track, etc**



**Jogging Track and Large Cricket, Hockey and Football Ground**





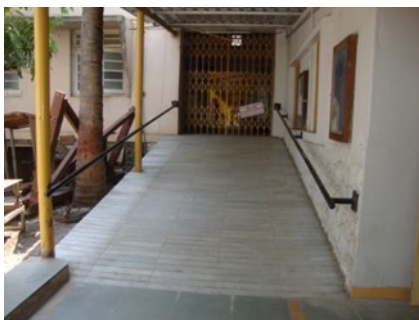
**Basket Ball, Kho-Kho facility**



**Open Air Theatre and Indoor Auditorium (Tilak Hall) for Social Gatherings, and Other Extra Curricular Activities**

### 1.7 Facilities for Physically Challenged Students

At Walchand College of Engineering, Sangli a very few students are severely physically Handicapped. Most of the Classrooms and Laboratories are at the Ground Floor, for which Ramps are provided at places such Library, Quadrangle, Main Administrative Buildings, etc. The Photos of these Ramps are given below:



**Ramp in Quadrangle-Civil Dept**



**Ramp in Main Building**



**Ramp in Main Building Entrance**

The Administrative Office and a few Laboratories of IT and Electronics Department are on the First Floor. It is planned to construct a lift in the Main building for the benefit of Physically Handicapped students.

#### Other Facilities

Among other facilities we have Hostels, Mess, Medical Facility, Central Computing Facility, Language Laboratory, Water Filtration and Distribution System

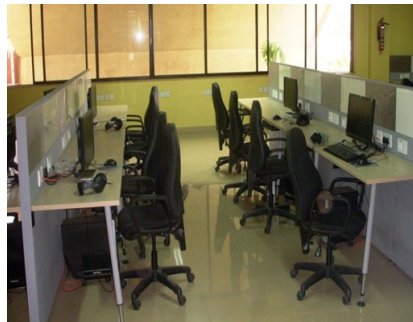




**Medical Facility: A Doctor is appointed for campus Dispensary. Regular general check up of all students is carried out daily in the dispensary. Hostels: Total 8 Hostels with capacity of 600 boys and 550 girls.**



**Water Filtration Plant of 50000 liters capacity and Distribution System Power Substation with 325 KVA sanctioned Capacity and Generator set of 125 kVA capacity along with PLC and SCADA system caters to the electricity needs during load shedding.**



**Central Computing facility (CCF) with 150 networked computers. Campus wide networking with Fiber and Wi-Fi enabled having 24 X 7, 280 Mbps (1:1) leased line & 100 Mbps NKN internet connectivity, Language Laboratory and wide internal tar Roads in the campus**



## 2. RESEARCH, PROFESSIONAL PRACTICE AND COLLABORATIVE PERFORMANCE

### Promotion of Research

#### Research Committee

- Review of Ph. D. progress conducted (twice a year)
  - ♦ Phase wise progress seminar is organized: Department level (HoD chairman)
  - ♦ Pre-submission seminar: Institute level (Chairman: Director, Member Secretary: Dean R and D, External Faculty)
- Review of funded research projects is arranged
  - ♦ Once a year: Institute level (Chairman: Dean R and D)

#### Research Culture

- Deputation under QIP and CTS
- Financial support of tuition fees is available for faculty qualification up gradation and others is provided for part time Ph.D candidates.
- Financial support for registration fees and inland /abroad travel for paper presentation at conferences is provided once in 3 yrs for foreign travel and once in a year for national travel.
- QIP minor research center
- Registration fees for filing patents.
- Encouragement for applying for research proposals and publishing papers.
- Provision for seed money for pursuing minor research project
- Most of the senior faculty of each department is recognized PG/Ph D guide and are involved in research activities

### Areas of Research

#### Civil Engineering

- Water and Wastewater Treatment
- Modeling of Environmental Systems
- Solid Waste Management
- Air Pollution
- Constructed Wetlands Building Materials and Technologies
- Energy Efficiency in Building
- Structural Engineering, Earthquake Engineering

#### Electrical Engineering

- HV Engineering, Control Systems/Power Systems
- Power Electronics
- Electrical Drives, Electrical Machines

#### Computer Science and Engineering:

- Artificial Intelligence, Pattern Recognition
- Database , Data Mining
- Networking, Image Processing
- Information Security
- High Performance Computing, Cloud Computing
- Android Applications, ECG Signal Processing

#### Mechanical Engineering

- Machine dynamics and vibration modeling, Balancing
- Micromachining, Machining of MMCs
- Applied Soft Computing
- Optimization, Decision modeling
- Mechatronics, Control Systems
- Signal Processing
- Metal Casting
- Solidification Analysis, CFD
- Microstructure Modeling and Analysis
- Cryogenics, Heat and Fluid Flow Modeling

#### Electronics Engineering

- Signal Processing, Image Processing
- Communication Engineering
- Embedded System Design, VLSI Design
- Control Systems
- Mobile Communication. Sensor Networks

#### Information Technology

- High Performance Computing
- Computer Security

#### Mathematics

- Complex Analysis

## 2.1 Individual and Collaborative Research Publications and Citations and Ph.D. Guided

### Research Publications

Year	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Int. Journal	31	47	92	97	63	48	379
Nat. Journal	3	4	10	8	11	2	39
Int. Conference	47	44	36	89	68	51	335
Nat. Conference	29	13	11	11	80	87	231
<b>Total</b>	<b>110</b>	<b>108</b>	<b>149</b>	<b>205</b>	<b>222</b>	<b>188</b>	<b>984</b>

### Details of Research Papers 2017-18:

#### Electronics Engineering Department

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
1	Int. Journal	Illumination Invariant Hand Gesture Classification against Complex Background using Combinational Features	Anjali Patil, Dr. S. Subbaraman	International Journal of computer Science and Information Security, Vol 16, No 3	March 2018
2	Int. Journal	Timbre Vibrato Model for Singer Identification	D. S. Loni, Dr. S. Subbaraman	Third ICCT for Intelligent Systems, 6-7 April 2018, conf Proceedings by Springer Smart Innovation System and Technology series	April 2018
3	Int. Journal	Design of SMART Gateway for Cyber Physical System	Mr. S. G. Tamhankar	International Journal of computers , Vol 3,2018, ISSN 2367-8895	March 2018
4	Int. Journal	Miniaturization of Multiband Annular Slot Ring Antenna using Reactive Loading	Mr. S. S. Mulla, Dr. S. S. Deshpande	Journal of Electromagnetic Waves and Applications , ISSN :0920-5071(print)	April 2018
5	Int. Journal	Sorting of raisins using computer vision approach	K. G. Shinde, Dr. B. G. Patil	International Research Journal of Engineering and Technology e ISSN 2395-0056, pISSN 2395-0072	June 2017
6	Int. Journal	Software Design of Digital Receiver using FPGA	Dr. B. G. Patil	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 04 Issue: 07   July - 2017 ISSN: 2395-0072	July 2017
7	Int. Journal	Underwater Image Classification, Advances in Computational Sciences and Technology	Ms. S. S. Sakpal, Dr. S. S. Deshpande	International Conference on Computing Communication and Signal Processing , BATU Lonere	December 2017
8	Int. Journal	Underwater Image Classification	Ms. S. S. Sakpal, Dr. S. S. Deshpande	Advances in Computational Sciences and Technology ISSN 0973-6107 vol 10, No. 5 (2017) pp 839-845	Dec-17
9	Int. Journal	Smart Security System Based on Raspberry Pi	Nurulhasan S. Mulla, S.U. Patil	International Journal for Science and Advance Research in Technology (IJSART)	30-May-18
10	Int. Journal	Automatic Eye controlled Wheelchair System using Raspberry -pi	Ketan G. Bhide, S.U. Patil	International Journal for Science and Advance Research in Technology (IJSART)	29-May-18
11	Int. Conference	Comparative Analysis of Radix 2, Radix 4, Radix 8 CORDIC Processors	J. M. Rudagi, Dr. S. Subbaraman	International Conference on Inventive Computing and Informatics (ICICI 2017)	November 2017

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
12	Int. Conference	Underwater Image Enhancement by Rayleigh Stretching with Adaptive Scale Parameter and Energy Correction	Ms. S. S. Sakpal, Dr. S. S. Deshpande	International Conference on Computing Communication and Signal Processing , BATU Lonere	January 2018
13	Int. Conference	Underwater Image Colour Balance by Gray World Approach with Attenuation Map	Ms. S. S. Sakpal, Dr. S. S. Deshpande	International Conference on Computing Communication and Signal Processing , BATU Lonere	January 2018
14	Nat. Conference	To analyze Organic, Inorganic Constituents and to stud Mechanical Properties of femur bone	M. R. Khare	5th Techno social Theme Meeting on Advanced Technologies in Service of Rural India	November 2017

### Information Technology Department

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
1	Int. Journal	Practice Based Closure Quality Loop Optimization in Teaching Learning Process: A Case Study in Software Engineering Design	Dr. S.P. Sonavane	International Journal of Education and Learning Systems	2018
2	Int. Journal	Cryptographic Protocols Specification and Verification Tools	Dr. A. J. Umbarkar	IJCT Vol. 8 No. 2 pp. 1533-1539	July 2017
3	Int. Journal	Updated Class Purity Maximization Over Sampling Technique (UCPMOT) Predictive Statistics of Imbalanced Rainfall Data: Effect of MMMOT on R Package (Forecast) - Using Hadoop Framework, Hybrid Feature Subset Selection Approach for Fuzzy Extreme Learning Machine	Dr. S.P. Sonavane	Springer – Journal of Data Enabled and Discovery Applications Journal No. 41688, Data-Enabled Discovery. Appl. (2017) 1: 10	November 2017
4	Int. Journal	Improved Classification of Large Imbalanced Data Sets Using Rationalized Technique: Updated Class Purity Maximization Over Sampling Technique (UCPMOT)	Dr. S.P. Sonavane	Springer Journal of Big Data pp. 1-32	2017
5	Int. Journal	Teaching Learning Based Optimization on Hadoop	Dr. A. J. Umbarkar	AISC Vol. 583 pp 251-263	December 2017
6	Int. Journal	Optimizing deep CNN for Facial Expression recognition	U.B. Chavan	CSI Vol .44, Issue No.11, Pg 44-48	February 2018
7	Int. Journal	Accelerating Learning Performance of Facial Expression Recognition using Convolution Neural Network	U.B. Chavan	International Journal of Control Theory and Application	2017
8	Int. Journal	Brief Review of The Large EDDY Simulation Method	Mrs. B.S. Shetty	IJARCC Vol. 6 No. 5 pp. 603- 605	2017
9	Int. Journal	Flexible and Secure Auditing of Outsource Database In Cloud Computing	Mrs. B.S. Shetty	IJARCC Vol. 6 No. 5 pp. 563- 565	2017
10	Int. Conference	Performance Evaluation of Firefly Algorithm With Variation In Sorting For Non Linear Benchmark Problems	Dr. A. J. Umbarkar	ICAMCS 2017 Conference Proceedings, Vol. 1836, No. 1	2017
11	Int. Conference	Performance evaluation of firefly algorithm with variation in sorting for non-linear benchmark problems	Dr. A. J. Umbarkar	AIP Conference Proceedings	2017
12	Int. Conference	A Decision Support System Using Analytical Hierarchy Process for Student-Teacher Industry Expectation Perspective	Dr. R. R. Rathod	ICCASP-2018	January 2018
13	Int. Conference	Identification and Removal of Accident Prone Locations Using Spatial Data Mining	Dr. R. R. Rathod	International Conference on Geomatic in Civil Engineering ICGCE 2018	April 2018
14	Int. Conference	Design of Password Guessing Prevention Protocol for Levelled-Security System	Dr. R. R. Rathod	ICETET-ISA2018	June 2018
15	Int. Conference	Optimizing Deep Convolutional Neural Network	U.B. Chavan	ICCR	January 2018

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
16	Int. Conference	Performance Issues in Parallel, Scalable CNN in Deep Learning	U.B. Chavan	ICCASP-2018	January 2018
17	Int. Conference	Literature Survey on Load Balancing Algorithm in Wireless Sensor Network	Mrs. B.S. Shetty	International Conference on emerging Trends in Engineering, Technology, Science and Management	October 2017
18	Int. Conference	A Survey on Research Challenges in Privacy and Security for Cloud Supported Internet of Things	Mrs. B.S. Shetty	ICEEC 2017 International Conference on Communication , Electrical, Electronics and Computer Engineering	March 2018
19	Int. Conference	Survey on Energy Efficient Routing Protocols by Clustering and Load Balancing in WSN	Mrs. B.S. Shetty	International Conference on Computer Network, Security and Computing	May 2018
20	Nat. Conference	Collaborative Interaction Techniques for Collaborative compute tasks: A Review	M. B. Narnaware	National conference on Recent Trends in Engineering and Management	March 2018

### Computer Science Department

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
1	Int. Conference	Improving existing 6LoWPAN RPL for content based routing	Madhavi S Sharwari Solapure	International Conference on Computing Methodologies and Communication (ICCMC 2018)	2018
2	Int. Conference	Use of CoAP Application Layer protocol of 6LoWPAN network in Smart Parking	Rohit Shinde Sharwari Solapure	International Conference on Computing Methodologies and Communication (ICCMC 2018)	2018
3	Int. Conference	Multi-GPU approach for development of parallel and scalable pub-sub system	Mrs. M.A. Shah and Dr. D.B.ulkarni	International Conference ICCASP 2018	2018
4	Int. Conference	Study of Attacks and Behavior of an Intrusion Detection System	Prasad B. Jivane and Mrs. M.A. Shah	International Conference ICAS-17	2017
5	Int. Conference	Rescheduling and Rerouting of Railways by Applying Petri Nets and Heuristic Search	Rohan R. Kshirsagar and Mrs. Hetal. V. Gandhi	3 <sup>rd</sup> International Conference on (RTEICT-2018)	2018
6	Int. Conference	Pervasive Context-Aware Computing Survey of Context-aware ubiquitous middleware systems	Anil R. Surve and Dr. V.R. Ghorpade	International Conference iCETETA 17	2017
7	Int. Conference	Detection of Cardiac Arrhythmias through ECG Signal Processing: IoT Based Approach	Anil R. Surve and Anil Patthe	ICEEC-2017	2017

### Mechanical Engineering Department

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
1	Int. Journal	Exergy Analysis of Rice Straw Fired Boiler	S.S. Bobade, P.A. Mane	Journal Of Advancement In Engineering And Technology	Jun-18
2	Int. Journal	Gating System Optimization for Reducing Shrinkage Defect in Large Size Steel Casting	U. S. Patil, K.H. Inamdar	International Journal of Innovative Research in Science, Engineering & Technology	Mar-18

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
3	Int. Journal	Exergy Analysis of Rice Straw Fired Boiler	S.S. Bobade, P.A. Mane	Journal Of Advancement In Engineering And Technology, Vol 6 (3),2348-1391	Jun-18
4	Int. Journal	Optimization Techniques and Methodology Used for Resistance Spot Welding	Dr. K.H. Inamdar	International Journal of Innovative Research in Science, Engineering and Technology, Vol 6 (12),22638-226461	Dec-17
5	Int. Journal	A Methodology for Friction Stir Welding of Aluminium 6061-T6 and 304LStainless Steel	Dr. K.H. Inamdar	International Journal of Innovative Research in Science, Engineering and Technology, Vol 6 (12),22647-22652	Dec-17
6	Int. Journal	Process Optimization of Co2 Laser Drilling on C65 (Spring Steel)	Dr. K.H. Inamdar	International Journal of Creative Research and Thoughts, Vol 5 (4),3052-3059	Dec-17
7	Int. Journal	Numerical Simulation for Casting Defect Prediction of Steel Casting -A Case Study	Dr. K.H. Inamdar	International Journal of Creative Research and Thoughts, Vol 5 (4),1489-1493	Nov-17
8	Int. Journal	Numerical Optimization of Casting for Defects Analysis and Minimization: A Review	Dr. K.H. Inamdar	International Journal of Advanced Research in Science and Engineering, Vol 6 (10),1024-1028	Oct-17
9	Int. Journal	Parametric Analysis of CO2 Laser Drilling Process for Spring Steel - A Review	Dr. K.H. Inamdar	International Journal of Advanced Research in Science and Engineering, Vol 6 (10), 1029-1035	Oct-17
10	Int. Journal	Effect of Process Parameters on Resistance Spot Welding - A Review	Dr. K.H. Inamdar	International Journal of Advanced Research in Science and Engineering, Vol 6 (10),1036-1042	Oct-17
11	Int. Journal	Friction Stir Welding of Dissimilar Materials: A Review	Dr. K.H. Inamdar	International Journal of Advanced Research in Science and Engineering, Vol 6 (10),1043-1049	Oct-17
12	Int. Journal	Numerical Optimization of Casting for Defects Analysis and Minimization: A Review	Dr. K.H. Inamdar	11 th International Conference on Recent Trends in Engineering, Science and Management, 217-221	Oct-17
13	Int. Journal	Parametric Analysis Of CO2 Laser Drilling Process For Spring Steel-A Review	Dr. K.H. Inamdar	11 th International Conference on Recent Trends in Engineering, Science and Management, 222-228	Oct-17
14	Int. Journal	Effect of Process Parameters on Resistance Spot Welding - A Review	Dr. K.H. Inamdar	11 th International Conference on Recent Trends in Engineering, Science and Management, 229-235	Oct-17



SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
15	Int. Journal	Friction Stir Welding of Dissimilar Materials: A Review	Dr. K.H. Inamdar	11 th International Conference on Recent Trends in Engineering, Science and Management, 236-242	Oct-17
16	Int. Journal	Fuzzy Based Optimization of Aluminium Extrusion Process	Dr. K.H. Inamdar	International Journal of Innovative Research in Science, Engineering and Technology, Vol 6 (5), 8178-8185	May-17
17	Int. Journal	Analysis of Heat Affected zone in Plasma Arc Cutting of SS 316L Plates	Dr. K.H. Inamdar	International Journal of Innovative Research in Science, Engineering and Technology, Vol 6 (5), 8160-8165	May-17
18	Int. Journal	Experimental Investigation of Wet Chemical Machining and Optimization of Process Parameters Using Grey Relational Analysis for SS 316L	S. V. Gandhi R. M. Chanmanwar	International Conference on Advances in Materials and Manufacturing Applications	Aug-17
20	Int. Journal	Analysis of Micro-texture Geometrical Deviations in Wet Chemical Machining	S. V. Gandhi R. M. Chanmanwar Sagar U. Sapkal	Advances in Intelligent Systems Research, Atlantis Press, 142-147	Aug-17
21	Int. Journal	Gating Design Optimization for Improvement in Yield of Casting	Dr. K.H. Inamdar	International Journal of Innovative Research in Engineering and Technology, Vol 6 (5), 8247-8253	May-17
22	Int. Conference	Experimental Investigation on Forming Limit Diagram of Mild Carbon Steel Sheet	A.R. Shinge, U.A. Dabade	2nd International Conference on Materials, Manufacturing and Design Engineering (ICMMD 2017)	Dec-17
23	Int. Conference	The Effect of Process Parameters on Material Removal Rate and Dimensional Variation of Channel Width in Micro-milling of Aluminium Alloy 6063 T6	A.R. Shinge, U.A. Dabade	2nd International Conference on Materials, Manufacturing and Design Engineering (ICMMD 2017)	Dec-17
24	Int. Conference	Development of Laval Nozzle for Micro Abrasive Jet Machining [MAJM] Processes	V. V. Vanmore, U.A. Dabade	2nd International Conference on Materials, Manufacturing and Design Engineering (ICMMD 2017)	Dec-17
25	Int. Conference	Fabrication of Microchannels on SS-304 and Copper by Wet Chemical Etching and Comparison of Topographies	R. M. Chanmanwar, S. U. Sapkal, O. S. Patil, S. V. Gandhi	2nd International Conference on Advances in Thermal Systems, Materials and Design Engineering, Vol.1, Page 46	Dec-17
26	Int. Conference	Magnetorheological Fluid Assisted Photochemical Machining	O. S. Patil, R. M. Chanmanwar	2nd International Conference on Advances in Thermal Systems, Materials and Design Engineering, Vol.1, Page 47	Dec-17
27	Int. Conference	A Study of Variation in MRR Influenced by Work-Piece Positioning on Copper and Stainless Steel during Wet Chemical Machining	S. V. Gandhi,& R. M. Chanmanwar	International Conference on Advances in Thermal Systems, Materials and Design Engineering, Vol.1, Page 47	Dec-17

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
28	Int. Conference	Investigation on Enhancement in Photo-chemical Machining. Materials Processing and Characterization	Omkar S. Patil R.M.Chanmanwar	8 th International Conference (ICMPC - 2018)	Mar-18
29	Nat. Conference	Breakdown Analysis and Improvement in Preventive Maintenance on FMS Cell	Savale Y.V., Dabir J.M.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 07 ISBN: 978 - 81- 931546-5-6	July-17
30	Nat. Conference	A Review on Micro-Channel Manufacturing by Micro-Milling Process	Shinge A.R., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 30 ISBN: 978 - 81- 931546-5-6	July-17
31	Nat. Conference	Investigation on Micro EDM Drilling Process for MRR of Titanium Alloy	Jagtap P.S., Sapkal S.U.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 36 ISBN: 978 - 81- 931546-5-6	July-17
32	Nat. Conference	Application of Meta-Heuristics for Permutation Flow Shop Scheduling	Shendage H.S., Sapkal S.U.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 42 ISBN: 978 - 81- 931546-5-6	July-17
33	Nat. Conference	Design and Development of Fixture for Lapping Machine Concept Testing.	Salunkhe V.P., Sapkal S.U., Gurav K.V.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 48 ISBN: 978 - 81- 931546-5-6	July-17
34	Nat. Conference	Variant Computer Aided Process Planning (CAPP) for Machining Process	Pawar V.T, Pawar M.S., Sapkal S.U.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 54 ISBN: 978 - 81- 931546-5-6	July-17
35	Nat. Conference	Analysis of Micro Ball End Milling Process for Surface Roughness Using Vegetable Oils as Coolants	Muke A.G., Sapkal S.U.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 60 ISBN: 978 - 81- 931546-5-6	July-17
36	Nat. Conference	Process Improvement Through Capability Analysis: A Case Study in an Engine Valve Manufacturing Unit.	Kodle S.K., Khilare S., Chougule P.B., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 66 ISBN: 978 - 81- 931546-5-6	July-17
37	Nat. Conference	Multicriteria Inventory Model for Machine Spares Classification Using Criticality Analysis: A Case Study.	Kolte T.S., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 73 ISBN: 978 - 81- 931546-5-6	July-17
38	Nat. Conference	Experimental Investigation of Reverse Micro-EDM During Manufacturing of Micro-Pins.	Jagtap R.B., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 80 ISBN: 978 - 81- 931546-5-6	July-17

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
39	Nat. Conference	Reduction of Breakdowns in Manufacturing Industry Using Root Cause Analysis.	Sonawane A.B., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 86 ISBN: 978 - 81- 931546-5-6	July-17
40	Nat. Conference	Effect of Dielectric Fluid in Wire Electrical Discharge Machining (WEDM).	Sapkale S.C., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 93 ISBN: 978 - 81- 931546-5-6	July-17
41	Nat. Conference	Optimization of AISI D2 Steel Turning Process Using Response Surface Methodology.	Pawar P.B., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 99 ISBN: 978 - 81- 931546-5-6	July-17
42	Nat. Conference	Reliability Improvement of Valve Seat and Valve Guide Assembly Machine Through Alternate Design.	Nanadi S.M., Dhole D.G., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 119 ISBN: 978 - 81- 931546-5-6	July-17
43	Nat. Conference	Setup Time Reduction Using SMED Technique	Raut R.M., Dhole D.G., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 125 ISBN: 978 - 81- 931546-5-6	July-17
44	Nat. Conference	Optimization of Process Parameters in Electro Discharge Machining of Tungsten Carbide.	Sajid M.R. Shaikh, Dhole D.G., Pawar M.S.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 131 ISBN: 978 - 81- 931546-5-6	July-17
45	Nat. Conference	Parametric Optimization of TIG Welding for Dissimilar Metals by Using Taguchi Methods.	Patil I.B., Dhole D.G., Pawar M.S.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 137 ISBN: 978 - 81- 931546-5-6	July-17
46	Nat. Conference	Plant Layout Design: Comparative Study of QAP and CRAFT Techniques	Thakre D.D., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 149 ISBN: 978 - 81- 931546-5-6	July-17
47	Nat. Conference	Implementation of Lean Manufacturing in Medium Scale Industry	Manchalwad V.R., Pawar M.S., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 155 ISBN: 978 - 81- 931546-5-6	July-17
48	Nat. Conference	Reduction in Foundry Rejection Using Six Sigma Implementation.	Swami S., Pawar M.S., Chanmanwar R.M.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 161 ISBN: 978 - 81- 931546-5-6	July-17
49	Nat. Conference	Development of Automation System for Degating and Water Conditioning of Plastic Injection Moulded Part Ring Gear.	Chougule S.P., Dhole D.G., Sapkal S.U.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 181 ISBN: 978 - 81- 931546-5-6	July-17

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
50	Nat. Conference	To Study the Effect of Applied Stresses on Low Temperature Sensitization of Type 304 SSS.	Choudhari K.K., Chougule P.B., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 199 ISBN: 978 - 81- 931546-5-6	July-17
51	Nat. Conference	Reduction in Weight of Extrude by Optimization of Process Parameters in Aluminium Extrusion.	Chahare A.S., Inamdar K.H.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 211 ISBN: 978 - 81- 931546-5-6	July-17
52	Nat. Conference	Optimization of HAZ in Plasma Arc Cutting Process by Using Taguchi Method.	Pawar S.S., In- amdar K.H.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 216 ISBN: 978 - 81- 931546-5-6	July-17
53	Nat. Conference	Application of DoE for Optimization of Casting Process Parameters	Jadhav M.N., Inamdar K.H.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 222 ISBN: 978 - 81- 931546-5-6	July-17
54	Nat. Conference	Optimization of Seam Welding Process Parameters for Tensile Strength of AISI 1015 Mild Steel	Gaikwad G.S., Inamdar K.H.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 228 ISBN: 978 - 81- 931546-5-6	July-17
55	Nat. Conference	Effect of Surface Working Operations (Cold Work) on Surface Integrity Parameter and Crack Initiation in Austenitic Stainless Steel: A Review	Harwalakar B.S., Chougule P.B., Dabade U.A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 251 ISBN: 978 - 81- 931546-5-6	July-17
56	Nat. Conference	Optimization of Photochemical Machining on SS316l	Gandhi S.V., Patil O.S., Rathod R.P., Chanmanwar R.M.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 315 ISBN: 978 - 81- 931546-5-7	July-17
57	Nat. Conference	Implementation of Kaizen in Medium Scale Industry for Productivity Improvements.	Bhaskar S.E., Pawar M.S., In- amdar K.H.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 1 (1), 321 ISBN: 978 - 81- 931546-5-7	July-17
58	Nat. Conference	Failure Analysis of Overhead Conveyor System	Trivedi Ruturaj, Kale A.K.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 20 ISBN: 978 - 81- 931546-6-3	July-17
59	Nat. Conference	Design Analysis of Orthopaedic Operation Table	Lokare Amol, Patavardhan M.B.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 32 ISBN: 978 - 81- 931546-6-3	July-17
60	Nat. Conference	Design of Servo Motor Operated Slide with Linear Motion Guideways and Ballscrew	Shelar Amol, Admuthe A.B., Patwardhan K.N.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 54 ISBN: 978 - 81- 931546-6-3	July-17

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
61	Nat. Conference	Derivation of Actuating Force Required for Different Configurations of Scissor Lift and Verification of Results Using ANSYS Rigid Dynamics and Experimental Method.	Pawar J.D., Limaye S.H.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 60 ISBN: 978 - 81- 931546-6-3	July-17
62	Nat. Conference	Determination and Comparison of Stress Intensity Factor of Notched Round Bar Using Theoretical and ANSYS Workbench Analysis	Waikande Y.M., Dhende V.V., Chavan S.P.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 66 ISBN: 978 - 81- 931546-6-3	July-17
63	Nat. Conference	Design and Fabrication of Plastic Waste Recycling Machine	Kumbhar A.M., Pawar S.A., Kumbhar S.M., Raut S.D., Neve A.V., Sapkal S.U.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 72 ISBN: 978 - 81- 931546-6-3	July-17
64	Nat. Conference	Analysis of Steel and Fibre Reinforced Polymer (FRP) Leaf Springs Under Static and Fatigue Loading.	Kudapane S.A, Joshi S.G.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 78 ISBN: 978 - 81- 931546-6-3	July-17
65	Nat. Conference	Design and Analysis of 4 Position Rotary Indexing Table	Chaudhari Vijay, Khot M.M., Patwardhan K.N.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 84 ISBN: 978 - 81- 931546-6-3	July-17
66	Nat. Conference	Fault Diagnosis of Rolling Element Bearing Using Vibration Signature Analysis	Kumbhar S.P., Chavan S.P., Limaye S.H.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 90 ISBN: 978 - 81- 931546-6-3	July-17
67	Nat. Conference	Design and Analysis of Test Setup to Measure Vibration in Clutch Release Bearing	Godase S.R., Limaye S.H.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 101 ISBN: 978 - 81- 931546-6-3	July-17
68	Nat. Conference	Vibration Signature Analysis of Loosely Installed Antifriction Bearing in Association with Coupling Misalignment	Shelke R.K., Chavan S.P.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 107 ISBN: 978 - 81- 931546-6-3	July-17
69	Nat. Conference	Vibration Analysis for Fault Diagnosis of Gearbox by Spectrum and Cepstrum Method	Pundkare D.B., Dhende V.V., Chavan S.P.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 113 ISBN: 978 - 81- 931546-6-3	July-17
70	Nat. Conference	Some Studies on Dynamic Response of Cantilever Structural Members with and without Elastomeric Lining	Birajdar S.L., Chavan S.P.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 120 ISBN: 978 - 81- 931546-6-3	July-17
71	Nat. Conference	Optimization of Critical Components of Dry-Type Leakage Test Rig Using ANSYS	Naikwade Saurabh, Kale A.K., Kulkarni Jagajeet	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 126 ISBN: 978 - 81- 931546-6-3	July-17



SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
72	Nat. Conference	Magnetorheological Elastomer Based Adaptive Tuned Vibration Absorber	Watpade P.S., Kumbhar S.B., Chavan S.P.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 132 ISBN: 978 - 81- 931546-6-3	July-17
73	Nat. Conference	Design and Development of Pressure Pulsation Test Rig for Radiator	Kanase S.J., Limaye S.H.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 139 ISBN: 978 - 81- 931546-6-3	July-17
74	Nat. Conference	Modification in Existing Raisin Grading Machine for Improvement in Performance	Chavan M.M., Chavan S.P., Kulkarni Milind	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 145 ISBN: 978 - 81- 931546-6-3	July-17
75	Nat. Conference	Design and Analysis of Rotor Assembly of Ring Section Multistage Pump	Shivarkar D.K., Chavan S.P., Patil N.N.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 151 ISBN: 978 - 81- 931546-6-3	July-17
76	Nat. Conference	Experimental Investigation of Viscous Force in Linear Motor Compressor	More Vikram, Khot M.M.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 158 ISBN: 978 - 81- 931546-6-3	July-17
77	Nat. Conference	Stress Corrosion Cracking Behaviour of Aluminium Alloy Using Constant Load Method: A Review	Biradar S.S., Pati A.P.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 164 ISBN: 978 - 81- 931546-6-3	July-17
78	Nat. Conference	Review of Flexure Bearing for Linear Motor Compressor	Garud Prateek, Khot M.M.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 169 ISBN: 978 - 81- 931546-6-3	July-17
79	Nat. Conference	A Review On Three-Dimensional Advanced Composite Isotruss Structure	Deshinge Digvijay, Kale Arvind, Roy Sajal	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 175 ISBN: 978 - 81- 931546-6-3	July-17
80	Nat. Conference	Design and Development of a Dust Chamber for Validation of Seals against Dust Ingression	Mandave Sagar, Joshi S.G., Kulkarni Sachin	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 181 ISBN: 978 - 81- 931546-6-3	July-17
81	Nat. Conference	Design and Analysis of Horizontal Split Elbow Type Pump	Kulkarni A.S., Gajendragadakar J.G., Patil Abhijit	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 188 ISBN: 978 - 81- 931546-6-3	July-17
82	Nat. Conference	Design and Analysis of Adjustable Centre Distance Multi-Spindle Drilling Head	Shinde Abhijit, Paranjpe A.U., Patwardhan K.N.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 195 ISBN: 978 - 81- 931546-6-3	July-17

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
83	Nat. Conference	Stress and Fatigue Life Analysis of Heavy Duty Truck Steering Axle	Shah A.B., Gurav S.P., Joshi S.G.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 208 ISBN: 978 - 81- 931546-6-3	July-17
84	Nat. Conference	Static Analysis of FRP Driveshaft of a Typical Ground Vehicle	Patil S.S., Gurav S.P., Joshi S.G.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 214 ISBN: 978 - 81- 931546-6-3	July-17
85	Nat. Conference	Modal Analysis of Fuel Filter with Varying Head Height	Patil S.D., Patwardhan M.B.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 220 ISBN: 978 - 81- 931546-6-3	July-17
86	Nat. Conference	Design of Online Pulse Jet Fabric Filter Used for The Filtering of Dust Laden Gas	Kapse K.R., Patwardhan M.B.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 226 ISBN: 978 - 81- 931546-6-3	July-17
87	Nat. Conference	Design and Analysis of Hydraulically Operated Quill Feed Unit for Drilling Machine	Navagire Suraj, Khot M.M., Patwardhan K.N.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 2 (1), 245 ISBN: 978 - 81- 931546-6-3	July-17
88	Nat. Conference	Design of Pulse Jet Bag Filter Used for Particulate Emission Control	Jadhav A.B., Kale A.K.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 13 ISBN: 978 - 81- 931546-7-0	July-17
89	Nat. Conference	Effect of Thermal Conductivity on Heat Augmentation using Flow Divider Inserts in Forced Convection	Hase D.R., Sane N.K., Ghewade D.V., Pundlik N.S.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 31 ISBN: 978 - 81- 931546-7-0	July-17
90	Nat. Conference	Study Paper on Improvement in Diesel Engine Testing through Cold Testing by Capturing the Issues Related with Performance of Engine	Kolapkar G.V., Ghewade D.V., Pawar S.G., Daflapurkar M.D.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 37 ISBN: 978 - 81- 931546-7-0	July-17
91	Nat. Conference	Study of Engine Test Bed System and Environment to Reduce the Effect of Engine Testing for Endurance Cycle	Joshi O.P., Pawar S.G., Daflapurkar M.D., Joshi M.S.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 43 ISBN: 978 - 81- 931546-7-0	July-17
92	Nat. Conference	Investigations on Start-Up Behaviour of Natural Circulation System	Chavan Y.M., Sane N.K., Gawali B.S., Kumar N.B.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 50 ISBN: 978 - 81- 931546-7-0	July-17
93	Nat. Conference	Selection of Appropriate Turbulence Modelling in CFX for High Pressure Steam in Throttling Calorimeter Vessel	Salunkhe S.D., Gawali B.S., Sane N.K., Kulkarni H, Kulkarni S.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 56 ISBN: 978 - 81- 931546-7-0	July-17

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
94	Nat. Conference	Experimental Analysis of Thermosyphon Heat Pipe Implemented in Reciprocating Compressor	Kumbhar P.C., Gawali B.S., Sane N.K.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 62 ISBN: 978 - 81- 931546-7-0	July-17
95	Nat. Conference	Design and Simulation of Radiant Section of Box Type Fired Heater	Jadhav V.L., Ghewade D.V., Sane N.K., Pawale S.B.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 67 ISBN: 978 - 81- 931546-7-0	July-17
96	Nat. Conference	Development of Tool for Sizing and Rating of Radiator Core	Tambe A., Joshi S.G.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 73 ISBN: 978 - 81- 931546-7-0	July-17
97	Nat. Conference	An Assessment of Pressure Drop Correlation for Natural Circulation System	Kamble S.D., Parishwad G.V., Sane N.K., Kumar N.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 79 ISBN: 978 - 81- 931546-7-0	July-17
98	Nat. Conference	Evaluation of Performance Characteristics of Nozzle Design for Single Stage Steam Turbine	Surve K.D., Joshi M.S., Chavan A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 90 ISBN: 978 - 81- 931546-7-0	July-17
99	Nat. Conference	Experimental Analysis of Shell and Tube Heat Exchanger by Using Cross Baffle	Kalwa S.S., Sane N.K., Gawali B.S.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 96 ISBN: 978 - 81- 931546-7-0	July-17
100	Nat. Conference	Thermo Compressor Design in Refrigeration System	Patil N.S., Sane N.K., Gawali B.S., Babu P., Jayachandran M.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 134 ISBN: 978 - 81- 931546-7-0	July-17
101	Nat. Conference	Performance Optimisation of Single Cylinder Diesel Engine with Electronically Controlled Fuel Injection System	Kulkarni S.S., Jagtap S.D., Muly S.S.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 140 ISBN: 978 - 81- 931546-7-0	July-17
102	Nat. Conference	Recovery of Available Heat in the Boiler Blowdown	Patil V.A., Gawali B.S., Dogra G., Dodmani A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 146 ISBN: 978 - 81- 931546-7-0	July-17
103	Nat. Conference	Development and Performance Analysis of Air Washer	Kondhare S.P., Joshi M.S.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 151 ISBN: 978 - 81- 931546-7-0	July-17
104	Nat. Conference	Comparative Study of R-1234ze and R-134a For Screw Chillers	Shipure A.M., Ghewade D.V., Sane N.K., Nichal S.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 184 ISBN: 978 - 81- 931546-7-0	July-17

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
105	Nat. Conference	Tractor Radiator Axial Fan Performance Curves Correlations Using CFD Simulations	Malunekar A. , Joshi M.S. , Bhaskar T. , Nagendra A.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 189 ISBN: 978 - 81- 931546-7-0	July-17
106	Nat. Conference	Heat Transfer Enhancement in Screw Heat Exchanger by Using Perforated Twisted Tape	Ansari A., Mane P.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 196 ISBN: 978 - 81- 931546-7-0	July-17
107	Nat. Conference	Review of Power Generation Through Solar Roof Top System with Case Study for 100 KWP System	Panchal M.V., Parishwad G.V., Ranade S.M., Mohale V.P.	Nat. Conf. on Recent Trends in Mech. Engg, Vol 3 (1), 201 ISBN: 978 - 81- 931546-7-0	July-17
108	Nat. Conference	Experimental Comparison for Micro-Electric Discharge machining of SS316L With and Without Silicon Powder	Sanket A. Awati, U.A.Dabade Ajinkya Dombale,	National Conference on Recent Trends in Engineering and Technology.	Feb-18

### Civil Engineering Department

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
1	International Journal	Assessment of quality of distributed water in Miraj city- A case study	G.R. Munavalli, Pore O. S.	International journal of Recent Research aspects	1-Jul-18
2	International Journal	Low Cost Household Water Treatment Systems: A Review	A.D. Mande, B.R. Kavathekar	International Journal of Engineering Research and Technology	29-Mar-18
3	International Journal	Decentralized wastewater treatment by Bio-rack wetland system- A Review	G.R. Munavalli, Sathe S. M.	Journal of Emerging Technologies and Innovative research, An International Open Access Journal	1-Feb-18
4	International Journal	Valorization options for stored material: A case study of landfill site at Sangli city	P.G. Sonavane, A.P. Dudhgundi	International Journal, Waste Management & Research (WM&R)	17-Dec-17
5	International Journal	Fluctuation in Wastewater Characteristics: A Case study	G.R. Munavalli, Sonavane P. G. and Deshpande G. V.	International Journal of Advance Research in Science and Engineering	1-Aug-17
6	International Journal	Characterization of Reactive Powder Concrete For Its Mechanical Properties	J.P. Bhusari, K.S. Gumaste	International Journal of Civil Engineering and Technology (IJCET), Volume 8, Issue 5, May 2017, Article ID: IJCET_08_05_002, ISSN Print: 0976-6308 and ISSN Online: 0976-6316	1-May-17
7	National Journal	Impact of air pollution on roadside inhabitants - A review	H.N. Jadhav, P.G. Sonavane	Journal of Emerging technologies and Innovative research (JETIR)	15-Feb-18
8	National Journal	Fluctuation in wastewater characteristics A case study	G.R. Munavalli, P.G. Sonavane	International journal of advanced research in science and engineering	22-Aug-17
9	International Conference	Water quality monitoring of Krishna river in the vicinity of Sangli	G.R. Munavalli Kavathekar S. B	3rd International conference on Applied science engineering and technology, Sri Sairam college of engg., Anekal	18-May-17

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
10	International Conference	Performance evaluation of two stage modified multi-species vertical flow constructed wetland for domestic wastewater treatment	G.R. Munavalli, Kerkar D. D.	3rd International conference on Applied science engineering and technology, Sri Sairam college of engg., Anekal,	18-May-17
11	International Conference	Assessment of ambient air quality in bazaars, Sangli, Maharashtra	H.N. Jadhav, P.G. Sonavane	1st International Conference on Energy and Environment : Global Challenges â€œ ICEE 2018	9-Mar-18
12	International Conference	Methane gas quantification from landfill site in Sangli city	S.B. Hajare, P.G. Sonavane	1st International Conference on Energy and Environment : Global Challenges â€œ ICEE 2018	9-Mar-18
13	International Conference	Fluctuation in Wastewater Characteristics: A Case study	G.R. Munavalli, Sonavane P. G. and Deshpande G. V.	5th International conference on Emerging Trends in Engineering, Technology, Science and Management, IETE, Bengaluru	17-Aug-17
14	International Conference	Study on treatment of domestic wastewater by modified Bio-rack system	S.M. Sathe, G.R. Munavalli	Proceedings of First International Conference on Energy and Environment: Global Challenges March 09 & 10, 2018, Dept., of Chemical Engineering, NIT Calicut	9-Mar-18
15	International Conference	Performance Evaluation of Two stage Vertical Flow Multispecies Constructed Wetland for Domestic Wastewater Treatment	G.R. Munavalli, Sonavane P. G., Deshpande G.V., Wandare S. M., Aswale N.	Proceedings of First International Conference on Energy and Environment: Global Challenges March 09 & 10, 2018, Dept., of Chemical Engineering, NIT Calicut	9-Mar-18
16	International Conference	Assessment of quality of distributed water in Miraj city- A case study	O.S. Pore, G.R. Munavalli	International conference on technological innovations in Engineering and Management, Organized by Devagiri Institute of Engineering and Management studies, Aurangabad	26-Feb-18
17	International Conference	Assessment of ambient air quality in bazaars, Sangli, Maharashtra	H.N. Jadhav and P.G. Sonavane	1st International Conference on Energy and Environment: Global Challenges – ICEE 2018, NIT Calicut.	9-10 March 2018
18	International Conference	A review on methods of quantification of methane gas from the landfill site	S.B. Hajare, P.G. Sonavane	7th International Conference on Solid Waste Management, 7th IconSWM 2017	17-Dec-17
19	National Conference	Characterization of leachate and its impact on groundwater quality nearby dumpsite - a case study at Sangli, Maharashtra, India	P.G. Sonavane A.P. Dudhgundi	Annual Convention of IWWA	19-Feb-18
20	National Conference	Assessment of groundwater quality in vicinity of Sherinalla	G.R. Munavalli Nimbalkar C. A., Baramati S. S., Naikwade V. S., Kadam, V. L.,	National Conference Recent Trends in Engineering and Technology (NCRET], 24TH March, 2018, Organized by Sharad Institute of Technology, Yadav	24-Mar-18
21	National Conference	Study on Domestic wastewater: A Case study on characteristic and treatment	G.R. Munavalli Sonavane P. G. Deshpande G.V., Wandare S. M., Aswale N.	50th Annual Convention 2018, Indian Water Works Association (IWWA),	19-Feb-18



SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
22	National Conference	Decentralized wastewater treatment by Bio-rack wetland system- A Review	Sathe S. M., Munavalli G. R.	National Conference on Innovations in Civil Engineering through Sustainable technologies (NICEST18)	15-Feb-18
23	National Conference	Landslide Prediction by Remote Sensing and GIS and its continuous monitoring by using WSN System-A Proposal for Kumbharli Ghat, Maharashtra	A. A. Bhondwe S. R. Suryawanshi, P. K. Deshpande	Indian Geo-technical Conference(IGC_2017), IIT, Guwahati	16-Dec-17

### Electrical Engineering Department

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
1	International Journal	Real Time Implementation of Sensorless PMSM Drives Using MRAS Speed Estimation Technique.	S. S. Varade, R.P. Hasabe	International Journal of Engineering Science and computing	6-Jun-18
2	International Journal	Design And Simulation Of A Nine Level Inverter With Less Switches Operating In Stand-Alone And Grid-Connected Modes	Mr. S.S Vanmane	IRAJ International Conference	10-Jun-18
3	International Journal	A Voltage Boost Npc Multilevel Inverter Using Lc Impedance network	Mr. S.S Vanmane	International Journal of Scientific Research in Science and Technology	1-Jun-18
4	International Conference	Hybrid Control Design for Swing up and Stabilization of Cart Pendulum System	A.S. Borkar, N.V. Patel	Intelligent Computing, Instrumentation and Control Technologies	6-Jul-17
5	International Conference	Embedded Implementation and Adaptive Tuning of Advanced Digital Control Algorithms.	Mr. Rishikesh G. Datar, Mr. Prasad K. Patil, Dr. D. S. More, Mr. Nitinkumar V. Patel	IEEE international conference on telecommunication, power analysis and computing techniques (ICTPACT 2017)	6th to 8th April 2017
6	International Conference	Performance analysis of Transformer-less Hybrid Power Filter Using Different Inverter Topologies	Mr. Rishikesh G. Datar, Mr. Prasad K. Patil, Dr. D. S. More, Mr. Nitinkumar V. Patel	International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICT)	6th and 7th July 2017
7	International Conference	Design and Implementation of Sensorless Vector Control of Induction Motor Drive Using Fuzzy Adaptive Controller	Sushil Karvekar, Chetan Rajgire, Mona Wankhede		18-19 July 2017
8	International Conference	Optimization of PID Controller for Automatic Voltage Regulator System	Sushil Karvekar, Chetan Rajgire, Mona Wankhede		18-19 July 2017
9	International Conference	Mission Profile Based Evaluation of Capacitor Reliability in Two Stage Grid Feeding Photovoltaic Inverter	Mr. Sagar B. Narale, Mr. P Nandha Kumar, Mr. Md. Waseem Ahmad Dr. D. S. More Mr. Sandeep Anand	National power electronics conference (NPEC 2017)	18th Dec to 20th Dec 2017.
10	International Conference	Hybrid Control Design for Swing up and Stabilization of Cart Pendulum System	Miss. Ankita Borkar, Mr. N.V. Patel	International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICT) Kannur	1-Jul-17
11	International Conference	Enhancement Of Power Quality Using Bridgeless Converter Based Switched Mode Power Supply	Mr. S.S Vanmane	ICEEE Pune	8-Jul-18
12	International Conference	Model Predictive Control For Position Control Of Twin Rotor Multi Input Multi Output System	Mr. S.S Vanmane	International Conference On Electrical Engineering Chennai	29-Jul-17

SN	Type of Publication	Details of Paper	Name of Author	Journal/Conference Details	Date of Publication
13	International Conference	Model Predictive Control For Position Control Of Twin Rotor Multi Input Multi Output System	Mr. S.S Vanmane	Conference On Information And Communication Technology. CICT Gwalior	3-Nov-17
14	International Conference	Model Predictive Control For Position Control Of Twin Rotor Multi Input Multi Output System	Mr. S.S Vanmane	International Conference On Soft Computing And Its Engineering Application	2-Dec-17
15	International Conference	A Comparative Analysis Of Multilevel Inverter: A Theoretical Review	Mr. S.S Vanmane	International Conference On Recent Developments In Science ,Engg, Management & Humanities	27-Jan-18
16	International Conference	Experimental evaluation of model predictive control using data driven models	Mr. N.V. Patel, Ms P.V. Paranjape	IEEE International Conference on Power, Control, Signal and Instrumentation Engineering(ICPCSI) Saveetha Engineering College, Chennai	11-May-17
17	International Conference	A bridgless DC-DC converter using coupled inductor for high voltage application	Miss. Rupali Khobragade, Mr. V.P. Mohale, Dr. M.M. Waware, Mr. S.R. Devne,	ICEECR, Pune. Paper ID: IR-EECR-PUNE-29078-2011	21-Jul-18

### Google Scholar Citation Details

Name of Faculty	Designation	Google Scholar							
		2013 Onwards			All			No. of Publications	
		Citations (since 2013)	h-Index	i-10 Index	Citations	h-index	i-10 index	Cited	Reported
Dr. Dabade Uday A.	Professor	373	10	10	513	10	10	60	71
Dr. Joshi S.B.	Asso. Prof.	250	9	9	422	12	13	44	78
Dr. Munavalli G.R.	Professor	182	6	6	377	8	6	38	38
Dr. Subaraman S.S	Professor	203	8	8	280	11	11	34	46
Dr. Ruikar S.D.	Asso. Prof.	241	6	4	268	6	5	25	46
Dr. Parishwad G.V.	Professor	147	8	5	199	8	8	25	73
Dr. Kulkarni P.J.	Professor	140	7	5	172	8	8	30	24
Dr. More D. S.	Professor	117	6	3	147	7	6	8	16
Dr. Umbarkar A.J.	Asst. Prof.	73	1	2	74	6	2	16	28
Dr. S.N. Tande	Professor	66	5	2	73	5	2	13	25
Dr. Momin B.F.	Asso. Prof.	64	5	1	87	5	1	18	28
Dr. Agashe Amrita A.	Asso. Prof.	55	5	1	71	5	2	17	25
Dr. Inamdar Kedar H.	Asso. Prof.	60	5	1	66	5	1	16	171
Dr. Gawali B.S.	Professor	47	3	1	60	4	1	15	28
Dr. Kulkarni D.B.	Professor	41	4	0	45	4	1	16	16
Mrs. Chougule A.M.	Asst. Prof.	50	2	1	51	2	1	10	4
Dr. Dharmadhikari V. B.	Asso. Prof.	46	4	3	53	4	3	5	10
Dr. Vaidya A.P.	Professor	49	4	2	49	4	2	8	35
Mr. Tamhankar S.G.	Asso. Prof.	32	3	1	36	4	1	8	9
Mr. Mane Pravin A.	Asst. Prof.	33	4	0	33	4	0	10	19
Dr. Sapkal Sagar U.	Asso. Prof.	75	5	3	85	5	3	14	27

Name of Faculty	Designation	Google Scholar							
		2013 Onwards			All			No. of Publications	
		Citations (since 2013)	h-Index	i-10 Index	Citations	h-index	i-10 index	Cited	Reported
Dr. Sonavane S P	Asso. Prof.	26	3	1	26	3	1	4	13
Mr. Narnaware M B	Asst. Prof.	22	3	1	23	3	1	5	10
Dr. Bhandari S.H.	Asso. Prof.	20	3	0	30	3	0	12	9
Mrs Diwan Seema P	Asst. Prof.	15	2	2	21	2	2	5	7
Mrs Karvekar Aditi S.	Asst. Prof.	22	3	0	24	3	0	4	0
Mr. Anil Surve	Asst. Prof.	21	2	1	21	2	1	6	22
Mr R M Chanmanwar	Asst. Prof.	15	1	1	15	1	1	1	9
Mr. Karvekar Sushil S.	Asst. Prof.	14	2	0	15	3	0	8	8
Mrs. Shah M.A.	Asst. Prof.	21	3	0	21	3	0	4	10
Dr. Kore S. N.	Asso. Prof.	9	2	0	13	2	0	6	14
Dr. Deshpande Shradha S	Professor	10	2	0	15	2	0	5	10
Dr. Patil B. G.	Asso. Prof.	10	3	0	10	3	0	4	7
Dr. Rathod R R	Asso. Prof.	12	1	1	12	1	1	1	2
Mr. Swami V.B	Asst. Prof.	10	2	0	10	2	0	3	6
Mrs Shetty B.S.	Asst. Prof.	7	1	1	8	1	1	1	11
Mr. Chavan Manik K.	Asst. Prof.	4	1	0	4	1	0	3	3
Mr. Naik Babaso N	Asst. Prof.	2	1	0	2	1	0	1	1
Dr. Khot Maruti M	Asst. Prof.	3	1	0	3	1	0	1	3
Mr. Gaikwad Vishal R	Asst. Prof.	1	1	0	1	1	0	1	2
Mr. Admuthe A.B.	Asst. Prof.	0	0	0	1	1	0	1	4
Mrs. Sharwari S Solapure	Asst. Prof.	11	2	0	11	2	0	2	2

#### Ph.D. Details of Regular Degree Faculty

SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis	Status: Ongoing/ Completed
1	G.V. Parishwad	Director, Prof. Mech.	Dr. R.K. Bhardwaj & Dr. V.K. Nema (Mech-Thermal)	11 Aug 1995 MNNIT, Allahabad under QIP	Study of thermal performance of fenestration and prediction of related weather parameters for India	submitted 02 Oct 1998 Viva & Result
2	P.J. Kulkarni	Dy. Director Prof.	Dr. N.R. Phadnis (Electronics)	June 1988 SU, Kolhapur	Bandwidth compression of Video signals by digital techniques	Completed in Aug. 1993
3	K.S. Wagh	Prof. Civil	Dr. V.S. Chandrasekaran	Aug. 1987 IIT, Bombay	Finite element studies on mechanics of Geotextiles reinforced earth for Shallow foundation.	Submitted March 1993 Viva & result
4	P.G. Sonawane	Prof. Civil	Dr. S.V. Ranade	7 Jan 2003	Mechanism & Kinetics of Nitrogen & Phosphorus Removal in Root Zone Treat-	Completed 4 July 2008
5	S.N. Tande	Prof. Civil - APM	Dr. K.T. Krishnaswamy	July 2000 SU, Kolhapur	Elastic and Limit analysis of Reinforced Concrete Skew slabs	19 Sept 2005
6	V.D. Salkar	Asso. Prof. Civil	Dr. A.R. Tembhurkar,	01 July 2009 VNIT, Nagpur	Design and development of efficiency up-flow sand filter for water treatment	27 Sept 2015

SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis	Status: Ongoing/ Completed-
7	G.R. Munawali	Asso. Prof. Civil	Dr. M.S. Mohan Kumar, Civil Engg.	1st August, 1999 QIP IISc, Bangalore	Simulation and Parameter Estimation of Water Quality in Distribution System	Submitted 31 July 2002 Result
8	K.S. Gumaste	Asso. Prof. Civil	Dr. K.S. Jagdish, Dr. B.V.V. Reddy, K.S.Nanjund Rao, Civil Engg.	1 Aug 2000 IISc, Bangalore QIP	Strength and Elasticity of Brick Masonry Walls	Submitted 11 Jan 2004 Result 8 Jan 2005
9	C.B. Pol	Asst. Prof. Civil -APM	Dr. Saurik Banerjee	15 Oct 2010 IIT, Bombay	Modeling of divided wave propagation and its interaction with defects in compo-	submitted July 2015
10	Mrs. N.G. Kul-karni	Asst. Prof. Civil-APM	Dr. Yoshito Itoh	03 Oct 2007 Nagoya Uni., Japan	Seismic design methodology for circular steel bridge piers subjected to multi directional earthquake motions	Completed 31 July 2012
11	S.B. Kadam	Asst. Prof. Civil-APM	Dr. Y. Singh	2010-11 IIT, Roor-kee	Performance Evaluation and Retrofit of Masonry Buildings	Submitted Jan-2015, Result
12	B.S. Gawali	Prof. Mech.	Dr. K.G. Narayan Khedkar	July 1999 IIT, Bombay	Design and Development of pulse tube nitrogen liquefier	Sept. 2005
13	S.P. Chavan	Prof. Mech.	Dr. N.K. Sane	01 Jan 2000 Shivaji Uni, Kolha-pur	Some studies on preventive maintenance of rotating m/s of sugar industries using vibration monitoring and diagnostic anal-	Sept. 2007
14	U.A. Dabade	Prof. Mech.	Dr. S.S. Joshi	July 2004 IIT, Bombay	Machining of metal matrix composites	May 2008
15	K.H. Inamdar	Asso. Prof. Mech.	Dr. S.G. Joshi	Sept. 2003 Shivaji Uni., Kolhapur	Some studies on analysis of surface quality of flat metal surfaces using image processing techniques	Dec. 2006 Result June 2007
16	S.U. Sapkal	Asso. Prof.	Dr. Dipak Laha	August 2009	Improved Heuristics for manufacturing	Sept. 2013
17	R.G. Chougule	Asso. Prof.	Dr. B. Ravi	Dec. 2000	Casting process planning and evaluation	July 2005
18	M.M. Khot	Asst. Prof. Mech.	Dr. B. S. Gawali (Mech - HPE)	1 January 2008 SUK	Design and development of a flexure bearing for miniature linear compressor	submitted 24 July 2014 Viva & result
19	A.P. Vaidya	Prof. Electrical	Dr. M.N. Narayana-nadar	01.08.1998 IISc, Bangalore	A model study for the application of wavelet and Neural Network for Identification and localization of partial discharge-	Completed 14 Oct 2001
20	D.R. Patil	Asso. Prof. Electrical	Dr. U. Gudar, U.	WCES, Shivaji Uni., Kol-	Error adaptive RPC scheme for LT & HT Switched capacitor bank & Static var	May 2012
21	D.S. More	Asso. Prof. Electrical	Dr. B.G. Fernandes	July 2005 IIT, Bombay	Design and Analysis of three phase Flux reversal machine for rooftop wind power application	20 Oct 2010
22	M.M. Waware	Asst. Prof. Electrical	Dr. Pramod Agrawal (Power	02.08.2008 IIT, Roorkee	Multilevel inverter based activity power filter	24 April 2012
23	Mrs. S.S. Deshpande	Prof. Electronics	Dr. S.C. Patwardhan	July 2005	Computationally efficient model based control for fast dynamic systems	Completed 15 Sept 2010

SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis	Status: Ongoing/ Completed
24	Mrs.A.A. Agashe	Asso. Prof. Electronics	Dr. S.K. Bodhe	Nov. 2003 Shivaji Uni, Kolhapur	Mobility management in Adhoc networks; A special reference to handoff mechanism.	Completed July 2009
25	S.D. Ruikar	Asso. Prof. Electronics	Dr. D.D. Doye	22 Nov 2006 SGGS, Nanded	Image Denoising using wavelet transform	Completed 22 Mar2013
26	B.G. Patil	Asso. Prof. Electronics	Dr. Shaila Subbaraman	12 July 2006	Human Feature Vector and Classifier Through Iris Pattern Recognition	Completed 24 July 2015
27	V.B. Dharmadhikari	Asso. Prof. Electronics	Dr. P. J. Kulkarni	27 Sept 2012	Quality of service issues, formulation and performance evaluation of traffic smoothing techniques for mpeg video	Completed 22 July 2015
28	Ms. S.H. Bhandari	Asso. Prof CSE	Dr. S. M. Deshpande	1 Jan 2005, SUK	Study of Multi-resolution approaches to Texture Analysis and Classification	Submitted 03 July 2009 awarded
29	B.F. Momin	Asso. Prof CSE	Dr. Susmita Mitra	Jan. 2002 Jadhavpur Uni. (IIT, Kolkata)	Some issues in data mining using soft computing	Completed 08 Feb 2008
30	D.B. Kulkarni	Prof. IT	Dr. P.J. Kulkarni	Feb. 1999	Iterated formation system for image cod-	Completed
31	Mrs. S.P. Sonawane	Asso. Prof IT	Dr. S.M. Deshpande	01 Jan 2005 SU, Kolhapur	Capacity estimates, analysis and design of improved data hiding algorithms in com-	10 Nov 2010
32	A.J. Umbarkar	Asst. Prof. IT	<u>Dr.Mrs.M.S.</u> Joshi	June 2010 GCE A'bad	Design and Analysis of Multi-Population Genetic Algorithm (MPGA) on Multi-core system for Function Optimization	submitted June 2015
33	M.H. Pendse	Asso. Prof Chemistry	Dr. S.H. Pawar	Mar. 1990 SU, Kolhapur	Studies on Electrodeposited Dy-Ba-Cu-O H.Tc. super conducting films and their	July 1993
34	S.B. Joshi	Asso. Prof Mathematics	Dr. S.R. Kulkarni Complex-analysis	1 July 1991	A study of univalent and multivalent functions	Completed 1996
35	S.N. Kore	Asso. Prof Electronics	Dr. P. J. Kulkarni	28 Sept 2012 WCE, Sangli	Performance evaluation and scheduling policies for fixed length multiple input	Submitted 28 Sept 2012

## Regular Degree Faculty Ongoing Ph.D. details

SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis	Status: Ongoing/ Com-
1	A.K. Kokane	Asst. Prof. Civil	Dr. K.S. Gumaste,	01 July 2011 WCE, Sangli Shivaji University,	Studies on improvement in the quality of burnt clay bricks using water treatment residual sludge	Ongoing
2	A.K. Mali	Asst. Prof. Civil	Dr. Prakash Nanthagopalan,	12 July 2013 IIT, Mumbai	Utilization of sugar cane bagasse ash in concrete	Ongoing
3	B.N. Naik	Asst. Prof. Mech	Dr.Mrs. Sangita Kohali	24 July 2014 IIT, Delhi	Biomass cookseave study (Area of Study)	Ongoing
4	S.V. Gaikwad	Asst. Prof. Mech.	Dr. R.S. Mulik ,	9 July 2014 IIT Roorkee	Performance study of pretalling tool for deep annular grooving	Ongoing
5	P.A. Mane	Asst. Prof. Mech.	Dr. B.S. Gawali,	2011-12 WCES, Shivaji Uni,	Design & Development of counter flow pulse tube refrigerator	Ongoing

SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis	Status: Ongoing/ Completed
6	A. U. Paranjape	Asst. Prof. Mech.	Dr. S.S. Kulkarni,	2011-12 IIT, Mumbai	Optimal balancing of rotors in presence of uncertainties	Ongoing
7	A.P. Patil	Asst. Prof. Mech.	Dr. S.P. Chavan,	01 July 2011 WCES, Shivaji Uni, Kolhapur	Study of static and dynamic behavior of helical compression spring with continuously varying wire diameter	Ongoing
8	A.B. Patil	Asso. Prof. Electrical	Dr. R.H. Chile,	2013-14 SGGGS, Nanded	Some techniques in developments of robust optimal control using fuzzy logic	Ongoing
9	R.P. Hasabe	Asst. Prof. Electrical	Dr. A.P. Vaidya,	July 2010 WCE, Sangli	Development of a method to mitigate the Effects of stat-com on the distance protection scheme using wavelet transform and	Completed - May 2017
10	N.V. Marathe	Asso. Prof	Dr. U.B. Desai	21 July 2005	Opportunistic scheduling in cellular data	Ongoing
11	S.G. Tamhankar	Asso. Prof Electronics	Dr. F.S. Kazi, VJTI, Mumbai	27 July 2012	Area: Cyber physical system security	Ongoing
12	A. R.Surve	Asst. Prof. CSE	Dr. Vijay R. Ghorpade, DYP-	11 Feb 2014 SUK	Design and development of adaptive Multi-Platform Context Aware	Ongoing
13	N.L. Gavankar	Asst. Prof. CSE	Dr. S. K. Ghosh Civil Engg	9 July 2014 IIT Roorkee	Object detection/Extraction using multi spatial resolution satellite data	Ongoing
14	Mrs. M.A. Shah	Asst. Prof. CSE	Dr. D.B. Kulkarni,	2011-12 WCES, Shivaji Uni, Kolhapur	Investigation on design issues and performance analysis of parallel sealable high performance publish subscribe system	Ongoing
15	R.R. Rathod	Asst. Prof. IT	Dr. R. D. Garg Civil,	12 July 2013, IITR, (QIP)	Application of GIS and Data Mining methods for Electricity consumption profiling.	Ongoing
16	P.K. Kharat	Asst. Prof. IT	Dr. Murlidhar Kulkarni	July 2015 NIT, (QIP) Suratkal	Area of study: Wireless communication & Networking	Ongoing
17	U.B. Chavan	Asst. Prof. IT	Dr. D.B. Kulkarni,	2012-13 WCES, SUK	Design & performance issues in parallel scalable facial expression recognition sys-	Ongoing
18	K.V. Madhale	Asso. Prof. Physics	Dr. M.Y. Salunkhe	13 Jan 2012 Synthesis,	Characterization and Gas Sensing Behavior of Nano-crystalline Nickel Ferrite	Ongoing
19	B.N. Jamadar	Asst. Prof. Physics	Dr. D.S. Suttrave	01 July 2010 Design	Design and Development of PWM Technique for Three Phase Induction Mo-	Ongoing

## Ph.D. Student Details

### Civil Engineering Department

SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status
1	Tirthkar S.N.	Dr. B.Subbarao	01/01/2001	Study on use of synthetic filter media in coarse to fine filtration	Completed 13th Oct., 2007
2	Mali D. S.	Dr. S.V.Ranade	01/01/2003	Waste Minimization & Resource Recovery in Sugar Distillery Complex	Ongoing



SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status
3	Sonavane P. G	Dr. S.V.Ranade	07/01/2003	Mechanism & Kinetics of Nitrogen & Phosphorus Removal in Root Zone Treatment of Domestic Waste	Completed 4th July 2008
4	Kulkarni G. S.	Dr. S.V.Ranade	01/01/2004	Investigations in Processing Solid & Liquid Waste from Essential Oil Industry for Possible Productive Recovery, Recycling & Treatment	Completed 28th Dec. 2007
5	V. T. Gaikwad	Dr. G.R. Munavalli	01/07/2011	Study on water softening by natural materials	Ongoing
6	S.S. Mane	Dr. G.R. Munavalli	01/07/2011	Studies on Modeling and Treatment of Common Textile Effluent Using Anaerobic and Aerobic Sequential Batch Reactor	Ongoing
7	R.M. Garud	Dr. G.R. Munavalli	01/07/2011	Study on dewatering and stabilization in sludge treatment vermi constructed wetlands	Ongoing
8	S.B. Hivarekar	Dr. G.R. Munavalli	01/07/2011	Study on water treatment by clay filter impregnated with natural materials	Ongoing
9	Y.M. Patil	Dr. G.R. Munavalli	01/07/2011	Performance Evaluation of Low-cost Greywater Treatment Systems	Ongoing
10	A.K. Kokane	Dr. K.S. Gumaste	01/07/2011	Studies on improvements in the quality of burnt clay bricks using water treatment residual sludge	Ongoing
11	Mrs Jyoti P. Bhusari	Dr. K.S. Gumaste	01/07/2011	Studies on characterization of reactive powder concrete for strengthening of beam column joints in RC beams	Ongoing
12	Desai Ravindra Shashikant	Dr. S.N. Tande (Civil-Structure)	12/09/2012	Improvement in structural performance in buildings by optimization of energy Management devices	Ongoing
13	Patil Vishwas Shamrao	Dr. S.N. Tande (Civil-Structure)	12/09/2012	Probabilistic based seismic performance Evaluation of existing reinforced Concrete buildings and retrofitting strategy	Ongoing
14	Patkure Laxman Bhouso	Dr. S.N. Tande (Civil-Structure)	12/09/2012	An experimental investigation on structural behavior and durability properties of fiber Reinforced concrete with artificial sand	Ongoing
15	Dali Jitendra Shridhar	Dr. S.N. Tande (Civil-Structure)	11/12/2013	Durability performance and analysis of pavement quality concrete(pqc) with mineral admixtures	Ongoing
16	Desai Ravindra Matuti	Dr. S.N. Tande (Civil-Structure)	11/12/2013	Nonlinear seismic reliability and fragility analysis of steel- concrete composite structures	Ongoing
17	Narvekar Siddhesh P.	Dr. S.N. Tande (Civil-Structure)	11/12/2013	Innovative utilization of dimensional analysis to find out strength of concrete strength of soil using modified buckingham's – pi method	Ongoing
18	S.S. Shah	Dr. G.R. Munavalli	01/07/2015	Performance Evaluation of Moving Bed Biofilm Reactor (MBBR) in Sequential Batch Mode for Domestic Wastewater Treatment	Ongoing

## Mechanical Engineering Department

SN	Name of student	Name of Guide	Date of Registration	Title of Thesis	Status- Completed or Ongoing
1	S. G. Bhatwadekar	Dr. M. Y. Khire (Relieved)	—	Studies on approaches for optimization of batch production scheduling	Submitted on 10 June 2013
2	S. H. Sawant	Dr. Tamboli	1 Jan 2005	Vibration analysis of active and semi active suspension system subjected to random road excitation with time delay and non-linear parameters	Completed
3	S.S. Patil	Dr. B.S. Gawali (Mech.-HPE)	26 Dec 2013	Design and development of miniature coaxial pulse tube Cryo-cooler	Submitted 26 Dec 2013
4	M. M. Khot	Dr. B. S. Gawali (Mech.- HPE)	1 Jan 2008	Design and development of a flexure bearing for miniature linear compressor	Completed
5	D. A. Kamble	Dr. B. S. Gawali	—	Analysis of heat transfer micro channel under forced convection heat transfer condition	Submitted
6	S. A. Patil	Dr. S. G. Joshi (Retd)	—	Some theoretical and experimental studies on electro hydraulics activate suspension system on road vehicle	Completed
7	A. P. Bagwade	Dr. P. G. Ramdasi (Retd)	—	Some studies on chip flow cutting process and surface roughness in hard turning	—
8	Kumar D. Sapate	Dr. A. N. Tikekar (Retd)	—	Electronically controlled direct injection type modified small two stroke petrol engine for efficiency and low emission	—
9	V.B. Swami	Dr. B.S. Gawali (Mech.-HPE)	1 July 2011	Investigation of heat transfer characteristics through non circular micro channel heat sink	Ongoing
10	P.A. Mane	Dr. B.S. Gawali (Mech.-HPE)	1 July 2011	Design and development of counter flow Pulse tube refrigerator.	Ongoing
11	J.D. Patil	Dr. B.S. Gawali (Mech.-HPE)	1 July 2011	Experimental study of heat transfer and fluid flow analysis of oscillating flow in Micro-channel.	Ongoing
12	Manjit Khade	Dr. S.P. Chavan (Mech.-Design)	1 July 2011	Dynamic analysis of structural beam for Vehicle to reduce vibration by using visco-elastic material & Magneto-rheological fluid damping	Ongoing
13	P.B. Magade	Dr. S.P. Chavan (Mech.-Design)	1 July 2011	Design and development of wind power Turbine by harvesting wind energy Developed by road vehicles on highway	Ongoing
14	G.S. Kamble	Dr. B.S. Gawali (Mech.-HPE)	1 July 2011	Investigation of heat transfer characteristic for Non Newtonian fluid in screw heat exchanger	Ongoing
15	Vilas Hajare	Dr. B.S. Gawali (Mech.-HPE)	1 July 2011	Enhancement of latent heat energy storage Using nano-particle in phase change material	Ongoing
16	Sunil Raikar	Dr. Uday A. Dabade (Mech.-Prod)	July 2012	Effect of high pressure coolant (HPC) On surface integrity of Inconel 718 in Turning operation	Ongoing
17	B. A. Anuse	Dr. S.P. Chavan (Mech.-Design)	1 Feb 2012	Design and development of a bagasse dryer to increase thermal efficiency of sugarcane Power plant	Ongoing
18	A. S.Bhandare	Dr. Uday A. Dabade (Mech.-Prod)	2 May 2013	Effect of dry EDM on surface integrity of Inconel-718	Ongoing
19	M.R. Jadhav	Dr. Uday A. Dabade (Mech.-Prod)	22 Apr 2013	Analysis of surface integrity of AL/SICP Metal matrix composites in hot machining	Ongoing Thesis Submitted SUK
20	Vinod Vanmore	Dr. Uday A. Dabade (Mech.-Prod)	26 Aug 2013	Development and performance analysis of micro abrasive jet machining Process	Ongoing
21	S.S. Karidkar	Dr. Uday A. Dabade (Mech.-Prod)	01 July 2013	Experimental investigation on effect of Process parameters on performance Measures in wire electrical discharge Machining	Ongoing Thesis Submitted SUK
22	S.M. Shinde	Dr. S.P. Chavan/ Tamboli (Mech.-Design)	26 Mar 2013	Optimum design of supply chain for medium Scale industry to enhance productivity	Ongoing
23	A.M. Pirjade	Dr. S.P. Chavan/ Tamboli (Mech.-Design)	22 Apr 2013	Optimum design of asymmetric involute Helical gear for better dynamic Performance	Ongoing

SN	Name of student	Name of Guide	Date of Registration	Title of Thesis	Status- Completed or Ongoing
24	S.B. Kumbhar	Dr. S.P. Chavan/ Tamboli (Mech.- Design)	01 July 2014	Performance studies of tilting pad thrust bearing with some single continuous surface profile	Ongoing Thesis Submitted SUK
25	Ms. L.V. Kulkarni	Dr. Sagar U. Sapkal	07 Oct 2014	Met Heuristic approach to manufacturing schedule	Ongoing
26	A. R. Shinge	Dr. Uday A. Dabade (Mech.- Prod)	06 Apr 2015	Experimental investigation and validation of process parameters in micro-milling of aluminium alloy micro channels	Ongoing
27	Nikhil Jayant Padte	Dr. Uday A. Dabade (Mech.- Prod)	06 Apr 2015	Tool path optimization to improve Productivity and quality in machining of Die steel material using CNC end milling	Ongoing
28	S.P. Nangare	Dr. B.S. Gawali (Mech.-HPE)	15 July 2017	Development and Testing of Multi-Pulse Tube Cryocooler by using Oil Free Compressor	Ongoing
29	Ms. S.K. Darekar	Dr. Sagar U. Sapkal (Mech.- Prod)		Investigation of Part Characteristics using Additive Manufacturing Process for Comparative Study	Ongoing

### Electrical Engineering Department

SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status
1	Apte Naryan G.	Dr. V.N. Bapat		Design analysis and implementation of Voltage source inverter based power quality conditioner	Completed (Submitted 21.06.2012)
2	Hasabe R.P.	Dr. A.P. Vaidya	01/07/2010	Development of a method to mitigate the Effects of STATCOM on the distance protection scheme using	2017
3	Thanekar S.J.	Dr.A.P.Vaidya (Co-Guide) Main Guide: Dr. W.Z. Gandhare	01/07/2010	Study of Voltage Stability of a Transmission System By Phasor Measurement Unit	Unknown
4	Wankhade C.M. (Registered at Amravati Univ.)	Dr. A.P. Vaidya	15/01/2010	A study for application of genetic algorithm based optimal power flow algorithm for congestion management in deregulated Indian power industry	Thesis submitted to Amravati Univ.
5	Saoji B.P. (Registered at Amravati Univ.)	Dr. A.P. Vaidya	15/01/2010	A comparative study for the reliability evaluation of composite electric power systems incorporating thyristor controlled series capacitor (tcsc)	Thesis corrections in progress
6	Shri L. S. Patil	Dr. A. P. Vaidya	01.07.2010	A study for application of wavelets and neural networks to identify and locate the faults in ehv transmission lines	Ongoing
7	Modak Amit Jayant	Dr. H.P. Inamdar	10/09/2013	ANN based simulation model for the detection of unbalance in stator current of cage Rotor induction motor drive caused by the degradation of insulation of stator winding, Using park's vector approach	Ongoing
8	Thombare R.D.	Dr. D.S. More, Dr. A.P. Vaidya	15.07.2013	Design, Analysis and control of Bidirectional power converter for hybrid AC/DC Microgrid system	Ongoing

## Electronics Engineering Department

SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status: On-going/ Com-
1	B. G. Patil	Dr. Shaila Subaraman	2005	Human feature vector and classifier through iris pattern recognition	June 2015
2	Mrs. Lalita Admuthe	Dr. Mrs. S. D. Apte	2006	An Intelligent optimization model for cotton mixes yarn spinney	2012
3	Mrs. Manasi Patil	Dr. A. R. Yardi	2009	ANN based diagrams of neurodegenerative diseases	2013
4	Prasad Khandekar	Dr. Mrs. S. Subaraman	2007	Low power digital design using energy recovery adiabatic logic	Jan. 2013
5	Mrs. Sheetal Bhandar	Dr. Mrs. S. Subaraman	2008	Performance enhancement using reconfigurable device for real time computation intensive	March 2013
6	Mrs. Jayashri Vaddil	Dr. Mrs. S. Subaraman	28 Dec 2007	Weaved fabric defect detection using & image processing techniques	Completed on Sept.
7	Mrs. Manisi R. Dixit	Dr. Mrs.S.D. Apte	1 July 2006	A generalized framework for speech enhancement An recognition with special focus on patients with speech disorders	2014 (Submitted 21 July 2012)
8	D.V. Kodavade	Dr. Mrs.S.D. Apte		Object oriented concurrent fault diagnostic systems For microprocessor configuration.	2014
9	Mrs. Badrayani Angha Khedkar	Dr. Mrs. S. Subaraman	28 Dec 2007	Effect of variations in genetic operators and proposed ovel operator on the performance of	Completed on Dec 2014
11	Vinayak V. Sulakhe	Dr. Mrs.S.D. Apte	1 Jan 2006	Development of efficient routing protocols for Application specific wireless sensor networks	April 2016
12	K. Shirdhar	Dr. Mrs.S.D. Apte		New signal processing techniques for hearing aids	Submitted 23 Dec 2011
14	Mrs. Jaysjree Rudaji	Dr. Mrs. S. Subaraman	2007	Low power COR D/C processor for DCT and ICDT	Submitted
15	W.T. Gundale	Dr. A.R. Yaradi	July 2000	Study simulation and analysis of some of the design issues related to binds 1) congestion control 2) bandwidth on demand simulation of mpeg traffic binds 3) issued related to satellite based binds	
16	R.N. Patil	Dr. Mrs. S. Subaraman	28 Dec 2007	Power efficient pipeline and parallel architecture for High through put digital system	Ongoing
17	Manish Patil	Dr. Mrs. S. Subaraman	2008	Development of Complete Design Environment for Implementing Speed and Area Efficient Single Chip Process Controller usingProgrammable Logic Devices with Ladder Diagram Description	Ongoing
18	Mrs. S. S. Sankpal	Dr. Mrs. S. S. Deshpande	2012	Under water image processing	Ongoing
19	Mrs. Anjali Ramesh Patil	Dr. Mrs. S. Subaraman	1 Mar 2012	Spatiotemporal vision based view and illumination Invariant hand gesture recognition ap-	Ongoing
20	Ms. Sonali Desai	Dr. Y.V. Joshi	3 Mar 2012	Image enhancement and colour correction of Underwater optical images	

SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status: On-going/ Com-
21	Ravi Khamitkar	Dr. Mrs. Shaila Subbaraman	01 July 2012	Design and performance evaluation of on chip Antenna for wireless network on chip	Ongoing
23	Mrs. Deepali Loni	Dr. Mrs. Shaila Subbaraman	01 July 2012	Analysis /synthesis of acoustic seatures of singing Voice using in wavelet transform with spe-	Ongoing
24	Rajan Devi	Dr. Mrs. Shaila Subbaraman	01 July 2012	Development of hierarchical control for micro-grid And its performance evaluation	Ongoing
25	Saurabh R. Prasad	Dr. Y.V. Joshi	14 Sept 2012	Improved LMS algorithm for signal processing Applications	Ongoing
26	Mrs. Jadhav Tejaswi Mahaling	Dr. Mrs. S. S. Deshpande	2014	Antenna Design (Area of Study)	Ongoing
27	Sandip Kasar	Dr. S. D Ruikar	1 Jan 2014 UoP	Effective Demosaicking for Video Reconstruction	Ongoing
28	C.A. Ghuge	Dr. S. D Ruikar	1 Jan 2014 UoP	Design and Development of technique for video object retrieval using Spatiotemporal based	Ongoing
29	Sajed Mulla	Dr. Mrs. S. S. Deshpande	1 Aug 2015	Antenna Design (Area of Study)	Ongoing

### CSE and IT Engineering Department

SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status
1	Shri. Sirbi Kotrappa	Dr. P. J. Kulkarni	June 2006	An investigation into the evolutionary expects object oriented programming (opp)	Completed on 25.08.2015
2	Mr.Kulkarni M V	Prof.Dr.D.B.Kulkarni	22-02-2010	Fractal video Coding on Multicore	Ongoing
3	Mr.Nozir Tarapore	Prof.Dr.D.B.Kulkarni	02-03-2011	Intrusion Detection System	Ongoing
4	Sandeep A Thorat	Dr. P. J. Kulkarni	27/02/2012	Techniques for improvements in magnet data Routing protocols.	Ongoing
5	Manwade Karveer Bhairu	Dr. D B. Kulkarni	27/02/2012	Improving performance of MPI application Through optimal placement of processes	Ongoing
6	Uday Appaso Nuli	Dr. B.F. Momin	27/02/2012	Parallelization of sequential code for Distributed heterogeneous architecture	Ongoing
7	Kulkarni Rupali Deepak	Dr. B.F. Momin	27/02/2012	Advanced skyline computation in distributed environment.	Ongoing
8	Tanveer I. Bagban	Dr. P. J. Kulkarni	27/02/2012	Design and analysis of a system for template Based clustering of web pages.	Ongoing
9	Abhyankar Parag Prabhakar	Dr. B.F. Momin	27/02/2012	Characterization of non- vigilance of individual Or mass Ounce in monotonous environment	Ongoing
10	Mrs. Mamata Sachin Kalas	Dr. B.F. Momin	27/02/2012	Study and implementation of advanced Neuro-imaging techniques.	Ongoing
11	Mrs. Medha A Shah	Dr. D B. Kulkarni	27/02/2012	Design and performance evaluation of parallel scalable event processing system.	Ongoing
12	Mrs. Sheetal A. Takale	Dr. P. J. Kulkarni	27/02/2012	Web content mining in the framework of soft computing.	Ongoing

SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status
13	Bhagate Suhas	Dr. P. J. Kulkarni	27/02/2012	Development of secret sharing scheme using Extended visual cryptography.	Ongoing
14	Mrs. Chaitali A. Laulkar	Dr. P. J. Kulkarni	25/02/2013	An improved classification algorithm for Image data	Ongoing
15	Chavan Umesh Balkrishna	Dr. D B. Kulkarni	25/02/2013	Design & performance issues in parallel Scalable facial expression recognition system	Ongoing
16	Ms. Gitanjali S. Salunkhe	Dr. D B. Kulkarni	25/02/2013	Benchmark validation and profiling of Heterogeneous HPC platform."	Ongoing
17	Ms. Deepali D. Akolkar	Dr. D B. Kulkarni	25/02/2013	Predictive analysis of very large unstructured data on parallel platform	Ongoing
18	Prashant Maruti Yelmar	Dr. B.F. Momin	25/02/2013	Development of computational framework for Social network analysis & mining	Ongoing
19	Shri. Ajit S. Patil	Dr. P. J. Kulkarni	17/7/2013	Use of social relations in delay tolerant networks	Ongoing
20	Sayyad Suhel Shabbir-husain	Dr. D B. Kulkarni	11/02/2014	Design And Development Of Secure Neural Network Learning System On Many Enabled Hpc In Cloud	Ongoing
21	Mrs. A.P.Kale	Dr. S.P. Sonavane	2014-15	Image Processing and Cellular Automata	Ongoing
22	Mr. S.S.Patil	Dr. S.P. Sonavane	2014-15	Big Data	Ongoing
23	Mr.A.R.Babhulgaonkar	Dr. S.P. Sonavane	2015-16	Human Computer Interaction	Ongoing
24	Mrs.Arifa Tamboli	Dr. S.P. Sonavane	2015-16	Network Security	Ongoing
25	Mr. B. S. Yelure	Dr. S.P. Sonavane	June 2017	ADHoc N/w	Ongoing
26	Mrs. S. B. Nemade	Dr. S.P. Sonavane	June 2017	Computer Vision	Ongoing

### Maths Department

SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status
1	Shelake Girish D.	Dr S.B.Joshi	01-07-2010	Study of subclasses of harmonic univalent and related functions	Ongoing
2	Thorat S.P	Dr S.B.Joshi	01-07-2011	Study of univalent and related functions	Ongoing
3	Yadav P.P	Dr S.B.Joshi	01-07-2013	Study of certain subclasses of analytic functions	Ongoing
4	Pawar H.H	Dr S.B.Joshi	01-07-2013	The study of subclasses of univalent functions	Ongoing



**Details of QIP Candidates Working at WCE:**

Walchand College of Engineering, Sangli is selected as QIP Minor Research Centre from June 2013.

SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis	Status: Ongoing/ Completed
1	Ajit Samagonda Patil	Computer Science & Engi-	Prof. Dr. P. J. Kulkarni	15th July 2013	Design and Development of Routing Algorithm for Delay Tolerant Net-	On-going
2	Sunil S. Karidkar	Mechanical Engineering	Prof. Dr. U. A. Dabade	15th July 2013	Experimental Investigation on Effect of Process Parameters on Performance Measures in Wire Electrical	On-going
3	Raosaheb D. Thombare	Electrical Engineering	Prof. Dr. A. P. Vaidya	16th July 2013	Design Analysis and Control of Bidirectional AC/DC Power Converter for	On-going
4	Sammer Bhagwan Kumbhar	Mechanical Engineering	Prof. Dr. S. P. Chavan	1st July 2014	Design Development and Analysis of MAGNATO-RHEOLOGICAL Elastomer-Shape Memory Alloy Composite as	On-going
6	Archana Pritam Kale	Computer Science & Engineering	Dr. Mrs. S. P. Sonavane	1st July 2015	Implementation of Neural Network Base for Pattern Classification by Identifying Subsets in Feature Selec-	On-going
5	Sachin S. Patil	Computer Science & Engi-	Dr. Mrs. S. P. Sonavane	1st July 2015	Design and Development of Improved Techniques for Handling Im-	On-going
7	Sajeed S. Mulla	Electronics Engineering	Prof. Dr. Mrs. S. S. Deshpande	1st July 2015	Design of Miniaturized Micro Strip Antenna for Efficient Multi Band	On-going
8	Shikalgar Arifa Javid	Computer Science & Engineering	Dr. Mrs. S. P. Sonavane	18th July 2016	Design and Development of Deep Learning Computational Model for Dimesionalily Reduction of Hetero-	On-going
9	Bhabhulgaonkar Arun Ramrao	Computer Science & Engineering	Dr. Mrs. S. P. Sonavane	18th July 2016	Optimizing Statistical Machine Translation Using Linguistic Teahre Learning	On-going
10	Valabha Sachin Patil	Electronics Engineering	Prof. Dr. Mrs. S. S. Deshpande	18th July 2016	Design of Control Machanism for Power Saving with Configurable Ar-	On-going
11	Supriya R. Kulkarni	Electronics Engineering	Prof. Dr. Mrs. S. S. Deshpande	18th July 2016	Development of NMPC Algorithm of FPGA Using Pso for Nonlinear Fast Dynamic Systems.	On-going

SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis	Status: Ongoing/ Completed
12	Bhushan Sukumar Yelure	Computer Science & Engineering	Dr. Mrs. S. P. Sonavane	24th July 2017	To Develop Adaptive Secure Position Based Routing Protocols in Vehicular Ad-Hoc Network	Process of Approval
13	Sangita Balkrishna Nemade	Computer Science & Engineering	Dr. Mrs. S. P. Sonavane	24th July 2017	Generation of Image Region Annotation Using Deep Learning	
14	Nangare Sudhir Pandurang	Mechanical Engineering	Prof. Dr. B. S. Gawali	24th July 2017	Oil Free Compressors Used in Cryogenics for Pulse Tube Cryocoolers	
15	Satyawan Ramchandra Jagtap	Electrical Engineering	Prof. Dr. D. S. More	24th July 2017	Fault Diagnosis and Fault Tolerant Control for Switching Power Con-	
16	Sidheshwar Vilas Patil	Computer Science & Engineering	Prof. Dr. P. J. Kulkarni	Acceptance Confirmed by Candidates and yet to report for preregistration program of 60 days		

### Books Published by Faculties

Sr. No.	Name of Faculty	Title of Book	Name of Publisher	Year of Publication
1	Dr. Sachin D. Ruikar	Electromagnetics	Nirali Publication Pune, ISBN 978-93-5164-138-4	June 2017
2	V. V. Dhende	Machine Design - I	Electrotech Publication Karad ISBN: 978-93-83752-48-5	August 2017

## 2.2 IPR and Patents: Granted, Filed and Licensed:

### Patents Awarded

Title of Patent	Name of Faculty	Patent No.	Date of Award
Technique for generating a mother wavelet from the Speech signal for evaluation of wavelet transform to capture time variations in	Dr. Mrs. S. D. Apte	123/MUM/2002/3402	25-08-2006
Method and device for regulating and changing the compression ratio, valve timing of an internal combustion engine	Mr. D. D. Ladi (UG Student) &	565/MUM/2006	04-10-2007

### Patents Filed

Title of Patent	Name of Faculty	Patent No.	Date of File
Integrated Hierarchical Process For Fault Detection And Isolation	Dr.R.G.Chougule and others	20090295559	03-12-2009
Automatic solar tracking system for collector dish without use of electricity	Dr. S.P. Chavan	1859/MUM/2011	28-06-2011
Pass Transistor Adiabatic Logic Circuit with Standby Mode (PAL2NSM)	Mrs. Dr. S. Subbaraman	2315/MUM/2011	17-08-2011
Design and Development of 1 TR Vapour Adsorption Air Cooling System for Truck Cabin using Heat from Engine Exhaust	Dr. G.V. Parishwad &	2752/MUM/2011	29-09-2011

Title of Patent	Name of Faculty	Patent No.	Date of File
Method and apparatus for analysis of roughness quality of flat metal surface by image processing	Dr. K.H. Inamdar	2752/ MUM/2011	09-03-2012
Method and apparatus for analysis of roughness quality of flat metal surface by image processing	Dr. K.H. Inamdar	624/ MUM/2012	09-03-2012
Cryptography and steganography	Dr. Mrs. S.P. Sonavane	1120/ MUM/2012	15-03-2012
An Instant Potable and Compact Cooling System working on Multiple Heat Sources	Dr. G.V. Parishwad, & Mr. Harish Tiwari	768/ MUM/2012	22-03-2012
Process for Image Authorization, Authentication and Integrity check	Dr. Mrs. S.P. Sonavane	1120/ MUM/2012	09-04-2012
Method And Apparatus For Analysis Of Roughness Quality Of Flat Metal Surface By Image Processing	Dr.K.H.Inamdar	624/ MUM/2012	04-05-2012
A System and Method for Detecting Unbalance in a rigid rotor Using a Dynamic Balancing Machine	Dr. Y. V. Joshi & Mr. N.G. Apte	300MUM/20 13	02-02-2013
An innovative method for Heating water by using PTFE coat or the like	Mr. S.V. Ramchandre	1521/ MUM/2014	01-05-2014
A System for Turning Vehicle with Minimum Turning Radios	Dr. S.P. Chavan	3250/ MUM/2014	13-10-2014
A System and A Method For Faster Reorganization Of Iris Pattern On Distributed Systems	Mr. A.J. Umbarkar	R201621004 648	09-02-2016
Process for image authorization authentication and integrity check	Dr. Mrs. S.P. Sonavane	R201620072 39	09-03-2016
online fraud detection for electronic voting under AICTE RPS	Dr.S.P.Sonavane	2016210082 75	15-03-2016
A System and a Method for Treating Domestic Wastewater	Dr.P.G.Sonavane, Dr.G.R.Munavalli	0280634280 3201650032	27-03-2016

### 2.3 Footprint of Projects and Professional Practices (Testing and Consultancy):

#### Research Grants Received

Grants Received (Rs. In Lacs)					
Agency/Year	2013-14	2014-15	2015-16	2016-17	2017-18
AICTE	-	-	-	26.80	-
DST	-	-	18.00	25.65	9.83
MPCB	11.85	4.90	7.75	8.51	5.01
CDTP	8.00	8.00	8.00	8.00	-
TEQIP-II, III	300.00	250.00	200.00	250.00	46.55
John Deere	-	-	-	-	22.99
<b>Total</b>	<b>319.85</b>	<b>262.90</b>	<b>248.75</b>	<b>318.96</b>	<b>84.38</b>

✦ **TEQIP Phase-I** (2004-08)– A world bank project with a funding of **Rs. 8.65 Crore**.

✦ Progressing well **TEQIP Phase-II** (2012-16) with **Rs. 12.5 Crores** of Funding.

NPIU released **additional Rs.5.00 Crore** funds based on performance.

**Details of Testing and Consultancy:**

<b>Testing and Consultancy (Rs. In Lacs)</b>					
<b>Department/Year</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>
<b>Civil</b>	4.50	29.20	5.92	6.32	16.66
<b>Mechanical</b>	10.24	13.50	9.90	9.65	6.52
<b>Applied Mechanics</b>	21.84	20.59	26.05	23.23	32.49
<b>Electrical Engineering</b>	1.04	0.70	0.52	3.46	2.49
<b>Computer Sci. &amp; Engg.</b>	0.00	0.00	3.86	0.00	0.00
<b>Information Technology</b>	0.04	1.00	0.00	0.00	0.07
<b>Public Health</b>	12.31	0.00	0.00	21.64	9.87
<b>Admission</b>	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>49.97</b>	<b>64.99</b>	<b>46.14</b>	<b>64.32</b>	<b>69.01</b>

**Research Projects Completed by the faculty in the last four years**

<b>Year wise</b>	<b>Name of the project</b>	<b>Funding agency/ Industry</b>	<b>Grant Received Rs. Lakhs</b>
<b>A. College Funded Minor Projects</b>			
2013-14	Design & Development of Parallel evolutionary algorithm for Function Optimization NVidia (1 Lac GPGPU card donated) &	TEQIP	2.50
2013-14	Design of Robust Protocol for relying scheme in co-operative communication	TEQIP-II	3.25
2013-14	Implementing RFID for college	TEQIP-II	0.60
<b>B. Other agencies - National and International (Major Projects)</b>			
2011-13	Study on Water Quality and Treatment of Harvested Rooftop Rainwater	AICTE	10
2010-11	Design and development of a flexure bearing for miniature linear compressor- Dr. M.M. Khot.	DST, N. Delhi	14.04
2012-13	Research in electro discharge machining	AICTE, N. Delhi	18.20
2012-13	Machining of MMCs- Dr.U.A.Dabade	DST, N. Delhi	23.50
2010-11	Location management in Wireless Sensor Networks with Mobility	RPS-AICTE	10.35
2009-12	Development of Problem Solving Environment (PSE) for scalable HPC.	AICTE RPS	3.45
2010-12	Development of Problem Solving Environment (PSE) for scalable HPC	NRB-DRDO	46.64
2010-13	Exploring Image Analysis Techniques for Detection and Classification of Malignant Breast Lesions Dr. S. H. Bhandari	DST	8.88
2011-13	Development of Neuro-fuzzy system for HCI applications based on eye-gaze tracking.	AICTE RPS	9.20



## Ongoing Research Projects

Year wise	Name of the project	Funding agency/ Industry	Grant (Rs. Lakh)
<b>A. College Funded Minor Projects</b>			
2013-16	Wastewater treatment by aerobic and anaerobic SBR	Seed fund under TEQIP-II	3.00
2013-15	Characterization of Burnt Clay Bricks of Maharashtra	Seed fund under TEQIP-II	1.15
2013-15	Improving performance of existing rapid sand filters in urban water treatment plants and trying appropriate water purification alternatives	Seed fund under TEQIP-II	1.70
2013-15	Food Waste Management	Seed fund under TEQIP-II	1.70
2013-15	Indoor air quality investigation in school buildings situated in Sangli District	Seed fund under TEQIP-II	1.97
<b>B. Other agencies - National and International Minor Projects</b>			
2013-15	Design of PLL Based Frequency Synthesizer For Airborne Systems	IIT Bombay	-
2013-15	Hardware Realization of Stereo Camera & Associated Emb. System	IIT Hyderabad	-
2013-15	FPGA Implementation of Kalman Filter	IIT Bombay	-
<b>B. Other agencies - National and International Major Projects</b>			
2013-14	Studies on utilization of Water Treatment sludge in the verification of Burnt clay Bricks for Buildings-Dr. K. S. Gumaste	RPS - AICTE	16.30
2012-13	Package Treatment for Domestic Wastewater-Dr. P. G. Sonavane	RPS- AICTE	22.50
2013-14	Study of Static & Dynamic Behavior of Helical Compression Spring with continuously varying Coil Diameter - Mr. A.P.Patil and Dr.S.P. Chavan	RPS- AICTE	8.80
2013-14	Development of Automated Inspection Method for Metal Castings using Image Processing Techniques - Dr. K.H. Inamdar	RPS- AICTE	8.80
2013-14	Development of new machine topology	RPS- AICTE	15.30
	Performance comparison of Wavelet, Neural and Time domain- Mrs. S. P. Diwan		14.40
2011-12	Raisin making process and technology development- Dr. S.P. Chavan and Mr. B.N. Naik	BARC	25.0
2012-13	FPGA implementation of MPC	RPS-AICTE	16.0
2013-16	Design and Implementation of Surveillance Mining System - Dr. B. F. Momin Mining System	RPS-AICTE	15.50
2012-15	Implementation of Cellular Automata for Multi-share Cryptography Security- Dr. Mrs. S. P. Sonavane	RPS-AICTE	8.00
2016-18	Intelligent Cognitive Vision Support for an Independent Lifestyle of Elderly People - Dr. S. H. Bhandari	DST, N. Delhi	16.00
<b>C. Industry sponsored Minor Projects</b>			
2013-15	Test Automation Using Virtual Environment	John Deere	4.50
2013-15	Automation of Machine and Control System to Optimize Level Car Parking	PARI Automation	-
2013-15	Tire Pressure Monitoring System (TPMS)	Hella Electronics	-
2013-15	Marvell's Motherboard Layout Design for Vector Signal Generator	Marvel Semiconductor	-
<b>C. Industry sponsored Major Projects</b>			
2008 onwards	Air Monitoring	MPCB	16.67 per annum

## Interdisciplinary &amp; Collaborative Research

Department	Collaboration with	Area of Research
Civil Engg	Maharashtra Pollution Control Board, Mumbai	Air quality and noise monitoring in Sangli
Mechanical Engg	BARC, Mumbai, Danfoss	Rasin making process and technology development
Electronics	John Deere	Agricultural & Automotive Research
CS & Engg	IIT, Bombay	High Power Computing
Info. Technology	NVidia, Bangalore	Image and Video processing
Mathematics	University of Central Florida, Orlando, USA	Complex Analysis

## Transferring Research to Community

Research Work	Application
Roof top <b>rainwater harvesting</b> system and	Implemented in college campus
<b>Treatment for domestic wastewater</b>	Implemented in staff quarter
Low cost and <b>Energy Efficient Building Designs</b>	Application of Filler slabs, Stabilized Mud Blocks, Composite Beam-panels roofs for residential
Research on <b>black cotton soil</b> towards reduction of flooring distortions	Flooring distortion minimizing on GF when plinth filling is done on BC soil available at site
<b>Embedded System Design</b>	Automotive and agricultural applications
<b>High Performance Computing</b>	Platform for algorithm testing

## Faculty Achievements

## Research Awards Received by the WCE Faculty

Name of faculty	Prize/Award received	Organization/Institute	Year
<b>Civil Engineering</b>			
Prof. Dr. S. N. Tande	Suchit Kumar Ghosh Memorial Prize	The Institution of Engineers	2007
	The Dr. Jai Krishna Prize		2009
	Leading Scientist of the World 2012	Int. Biography Centre, Cambridge,	2012
	The Cambridge Certificate		2013
Shri. S.B. Kadam	Young Scientist Award under the discipline of "Engineering science and Technology"	<a href="#">Uttarakhand State Council</a> for S&T <a href="#">Nov 2011</a> .	2011
Dr. G. R. Munavalli	S.V. Patwardhan prize for best paper published	Journal of Indian Water Works Association	2014

Name of faculty	Prize/Award received	Organization/ Institute	Year
<b>Electrical Engineering</b>			
Dr. D. S. More	Best research paper award	(NPEC-2011), held at Bengal Engg and Science Uni. Shibpur,	2011
<b>Mechanical Engineering</b>			
Dr. M.Y. Khire	Best Teacher Award	Maharashtra State Govt.	2005
Dr. M.M. Khot	Young Scientist Award	DST, N. Delhi, India	2010
Dr. U. A. Dabade	DST- FAST TRACK Young Scientist Award	DST, N. Delhi, India	2012
Dr. B S Gawali	Consistent Contribution in HVAC	ASHRAE	2012
<b>Electronics Engineering</b>			
Dr. Mrs. S. Subbaraman	Pillars of Indian Society	Asian Chamber of Commerce , Mumbai	2017
Dr. Mrs. S. Subbaraman	AICTE Adjunct Faculty	AICTE	2017
Dr. S. N. Kore	Dr. Abdul Kalam life Time Achievement National Award	International Institute for Social and Economic Reforms For teaching, research and publications	2017
<b>Information Technology</b>			
Dr.(Mrs.) S.P. Sonawane	Young Scientist Award	DST, N. Delhi, India	2007
A. J. Umbarkar	Best Paper Award High performance GPGPU – Titan card of Rs. 1 Lakh N-Vidia research on Evolutionary algorithm.	BVCON 2009 N-Vidia, Pune	2011
<b>Computer Science &amp; Engineering</b>			
Dr. P. J. Kulkarni	Best Teacher Award,	Maharashtra State Govt.	2012
Mrs. M.A. Shah	Received best presentation award at Doctoral Symposium of DEBS 2014.	IIT, Mumbai	2014
Dr. S.H. Bhandari	Research fellowship under Woman Scientist Scheme	DST, N. Delhi, India	2006
Dr.(Mrs.) S.H. Bhandari	Young Scientist Award	DST, N. Delhi, India	2010
Dr. P. J. Kulkarni	Recognition in Who's Who for excellence in Academics	-	2011
Mrs. M. A. Shah	Received sponsorship of US\$ 400Best presentation award at Doctoral Symposium of DEBS at IIT, Mumbai	IIT, Mumbai	2013
Mrs. M.A. Shah	Received sponsorship of US\$ 200 for IPDPS Conference	Association of computing machinery, New York	2014
M.K. Chavan	Research fellowship at IISc Bangalore in Supercomputer Education Research Centre (SERC)	SERC, DST, N. Delhi, India	2013
<b>Mathematics</b>			
Dr. S.B. Joshi	Young Scientist Award	DST, N. Delhi, India	1999
Dr.(Mrs.) S.S. Joshi	Woman Scientist Award	DST, N. Delhi, India	2008

## Institute Level Best Practices

- **Solar street lighting** facility throughout the campus
- **Rain water harvesting**
- Decentralized **waste water treatment plant** based on natural principles
- **Water for gardening** derived from above.
- **Natural lighting** arrangement in Badminton hall and few labs
- **Training programs for weaker section of the society** and rural population in Sangli District through community service to enable them for self-employment
- Academic flexibility
  - ◊ **Interdisciplinary Open/institute electives**
  - ◊ **Internship** UG (SPAI), sponsored projects for PG
- **Emphasis on ICT** for all academic and administrative activities
  - ◊ Use of LCDs, interactive boards, e\_learning material, on-line assignments/examinations, simulation tools etc
  - ◊ Use of **virtual labs** for teaching both theory and practical sessions of few courses as per IITB methodology (DIP, Animation Techniques)
  - ◊ Few curricular courses **blended with IITB** course material, **NPTEL videos**, and lecturer's material
- Transparent Examination process
- Academic monitoring
- 25% UG and PG **projects** related with **societal concerns**
- **Research paper publication** for PG students is mandatory
- Few students getting stipend of **Rs 10000/- p.m.** for a period of six months for projects under **TIFAC**
- Excellent **TPO** activity
- 30% students get **internship in IT** related companies and most of them get absorbed in same companies.
- **24 x 7 lab facility** available administered by student club members
- Industrial and field **visits**



### 3. GRADUATION OUTCOME

#### 3.1 Student Mentoring and Support

In order to improve the performance of the students various methods of Mentoring and support are followed in the Institute which are as follows:

- **Counseling System**
  - ♦ Counseling to students with poor attendance and academic performance by class teacher/course teacher.
- **Economically Weak Students**
  - ♦ Support through endowments and scholarships
  - ♦ Earn and Learn support through Library
- **Encouragement** to participate in co-curricular activities viz. paper presentation, debates, project competitions etc.
- **Soft skill development training**, Career guidance and Placement through Training and placement cell.
- **Financial Assistance**
  - ♦ 50% UG (State Govt) and 100% PG students (Central Govt.)
  - ♦ Support for **physically challenged** students
  - ♦ **Preference** is given for **hostel** / in campus accommodation.
  - ♦ **Lecture** and Examination **halls** are provided at the **ground floor**.
  - ♦ **Ramps** are provided at various places in the campus
  - ♦ **Extra time** is given for examination of theory paper and labs **for PH students**.
  - ♦ Administrative support to avail **concessional travel** to attend conferences, seminars, industrial visits etc. from state and central government agencies.
- Support to **SC/ST** students
  - ♦ **Book bank** scheme
  - ♦ **Facilities of Social welfare** Department, GoM passed on to the category students
- Support to **slow learners**
  - ♦ Course faculty provides learning material, interacts for solving problems and clarifies the doubts and **summer term**
- Exposure to students of other academic institutes, corporate, business houses
  - ♦ **Participation** in paper presentation, project competition, quiz contest organized by other institutes
  - ♦ **Student transfer** programme
  - ♦ **Industrial visits**
    - ♦ Virtual tour of industry during company presentation (**campus placement**)
- Support for GATE examination
  - ♦ **Software** for Solving Question Paper for **GATE**
  - ♦ For attempting mock GATE examination
- Support for sportspersons
  - ♦ **Exemption from attendance** requirement
  - ♦ **Provision** for sports kits, dress, diet etc.

Following student support cells are in place.

- **Training and placement cell**
  - ♦ Personality development and soft skill training programs organized through TPO
- **Registered Alumni Association**
  - ♦ Donations from alumni
- **Student Grievance cell**
- **Sexual harassment committee, Anti-ragging committee**

### 3.2 Combined Performance in Public and University

In **GATE-2017-18** total 113 students have qualified the examination. The Top 10 Students are as follows:

Sr. No.	Name of the Student	Branch	Batch	AIR
1	Kapil Zambre	Mech	2017	8
2	Kshitij Wangade	Mech	2018	40
3	Anand Pisal	CSE	2018	126
4	Akshay Jawale	Mech	2017	185
5	Anand Joshi	Mech	2017	470
6	Omkar Kadam	Civil	2018	474
7	Ms. Jui Samant	Mech	2017	689
8	Abhinandan Kumbhar	Mech	2017	812
9	Rohan Gore	Civil	2018	1097
10	Sumit Satpute	Electronics	2018	1754

#### CAT Toppers:

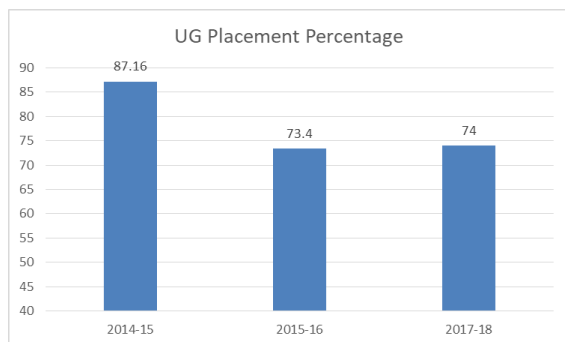
Sr. No	Name	Branch	YOP	CAT Percentile
1	Rishikesh Prabhu	Mechanical	2017	99.34
2	Pranav Gupta	CSE	2018	98.53
3	Ms. Nidhi Shah	CSE	2018	96.91
4	Prafull Desai	CSE	2018	96.50
5	Shreyash Dhabekar	Civil	2018	96.03

### 3.2 Combined Percentage for Placement, Higher Studies and Entrepreneurships:

WCE, Sangli Placement for last Three Years

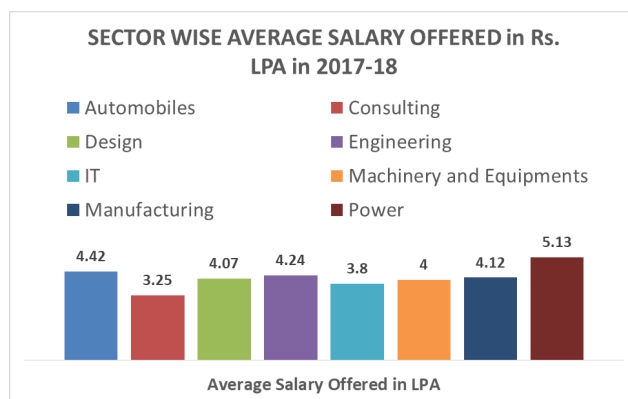
Branches	UG % Placement			PG % Placement		
	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18
Civil	80.00	49.1	43.2	25.71	20.00	31.4
Mechanical	87.32	82.1	76.5	38.00	23.07	27.7
Electrical	81.25	65.6	62.7	51.51	9.90	37.5
Electronics	88.89	76.9	64.7	68.00	50.00	44.4
CSE	91.82	84.5	89.5	82.14	46.42	37.0
IT	88.89	70.8	84.5	44.44	50.00	42.9
Total	87.16	73.4	74.0	64.63	30.4	34.2
No. of Companies	74	80	77	Placement for PG students in Companies is increasing. Rest get off-campus placement mostly as		
Average Salary Rs Lacs	4.95	5.17	5.07			
Max Salary Rs. Lacs	21	14.1	37			
Dream Offers	359	214	160			

#### UG Placement Percentage



Year	Enrolled	Placed	% Placed
2015-16	444	387	87.16
2016-17	433	321	74.13
2017-18	416	308	74.0
Average	447	370	82.77

## Sector wise Placement Analysis of Visiting Companies



### Placement of UG Students: 2017-18 (Till June)

Branch	Enrolled	Placed	% Placement
CIVIL	37	16	43.2
MECHANICAL	68	52	76.5
ELECTRICAL	67	42	62.7
ELECTRONICS	68	44	64.7
COMPUTER SCIENCE	105	94	89.5
IT	71	60	84.5
<b>Total</b>	<b>416</b>	<b>308</b>	<b>74.0</b>

### Placement of PG Students: 2017-18 (Till June)

Branch	Enrolled	Placed	% Placement
CIVIL	35	11	31.4
MECHANICAL	65	18	27.7
ELECTRICAL	16	6	37.5
ELECTRONICS	27	12	44.4
COMPUTER SCIENCE	27	10	37.0
IT	14	6	42.9
<b>Total</b>	<b>184</b>	<b>63</b>	<b>34.2</b>

### TOP FIVE COMPANIES on the basis of salary and number of students placed in 2017-18

Sr. No.	Company Name (On the Basis of Salary)	Average INR/ Annum	Sr. No.	Company Name (On the basis of number of students placed)	Number of students placed
1	Microsoft IDC	37	1	Infosys	133
2	Directi	15.5/29.63	2	TCS	75
3	BPCL	17.63	3	Eaton Corporation	25
4	Barclays	11	4	IBM	22
5	Symantec	10.7	5	Capgemini	21

### Detailed Placement of 2017-18:

This year, 80 companies visited the campus for placement. The following table gives the details of the companies visited along with the salary and no. of jobs offered.

Sr. No	Company	Salary in LPA	Total Offers	Dream Offers	No. of students Placed											
					Civil		Mechanical		Electrical		Electronics		Compter		IT	
					B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech
1	Microsoft IDC	37	2	2									2			
2	Directi	15.5/29.63	2	2									1	0	1	0
3	BPCL	17.63	11	10			3		4				4			
4	Barclays	11	14										12		2	

Sr. No	Company	Salary in LPA	Total Offers	Dream Offers	No. of students Placed											
					Civil		Mechanical		Electrical		Electronics		Compter		IT	
					B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech
5	Symantec	10.7	2										2	0	0	0
6	Cadance	10	3	2							3					
7	EMC/DELL	9.6	2										2			0
8	VERITAS	9.26	6										6	0	0	0
9	BASF	8.5	1				1									
10	SEAGATE	8.4	2	2							2					
11	Siemens (Core)	8	4	4			2		2							
12	TCS ( TRDDC)	7.8	1	1									1			
13	General Electric	7.5	1								1					
14	Thought-Works	7.6	2	2									2			
15	Hindu-stan Unilever	7	3	2			2		1							
16	Siemens Plm Software	7	7	6							3		2		2	
17	e-Zest Solutions	6.8	Result Await-ed													
18	Hero Motors	6.5	1				1									
19	Josh Software	6.5	3										0	0	3	0
20	Mecerdes Benz	6.5	Result Await-ed													
21	John Deere	6.46	16	7			6	0	2	1	1	4	2			
22	TCS ( Digital )	6.3	1										0	1	0	
23	Pubmatic Software	6.3	3	3									3			
24	EATON Corpora-tion	6	25				14		1		1		6		3	
25	Nice Systems	6	10										8		2	
26	Cummins	6	1				1									
27	MAHA-GENCO	5.8	1						1							
28	Principal Global Financial Services Ltd.	5.5	8		1				2		2		2		1	
29	Dasalt Systems	5.5	3				2	0					1	0		0
30	Atlas Copco	5.25	6				2		4							
31	Quin-street Technolo-gy	5.2	2	1									2			
32	Alfa Laval	5	5	4			5									
33	Ameri-cian Buareo of Shipping Corpora-tion	5	4	4									2		2	
34	TOM TOM	5	2	2									2		0	

Sr. No	Company	Salary in LPA	Total Offers	Dream Offers	No. of students Placed											
					Civil		Mechanical		Electrical		Electronics		Compter		IT	
					B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech
35	L & T ( Heavy Engineering)	4.87	4				1		2		1					
36	Toyo Engineering Ltd	4.87	3	2			3									
37	TVS Motors	4.8	1				1									
38	KPIT	4.6	1													1
39	Xoriant Technology	4.5	3										2		1	
40	GS LAB	4.5	4	4									1		3	
41	Tata Consulting Engineers	4.5	9	1	4		3		2							
42	Raja Software Labs	4.5	5	5							1		1	0	3	0
43	Godrej	4.5	6	3			2		4							
44	RTO ( AMVI)	4.2	1					1								
45	Jecobs Consultants	4.2	1			1										
46	Sujan Copper-standard AVS	4	3					3								
47	KSB Pumps	4	1						1							
48	Quest Global Design	4	6				3	3								
49	Hella Automotive	4	4							1		3				
50	Kyazoon-ga	4	7	7									3	0	4	0
51	Tata Projects	4	Result Awaited													
52	JFE Engineering	4	0													
53	ADP	4	5	4									3		2	
54	Bosch	4	Result Awaited													
55	ACC Concrete	3.75	1		1											
56	CYBAGE	3.6	6										2		4	
57	Shapoorji Pallonji Pvt. Ltd	3.6	6		3		1		2							
58	FIGMD	3.6	3										1	1	1	
59	Synergy Green Industry	3.6	1										1			
60	Hindustan Construction Company	3.5	5	0	5											
61	STUP Consultant	3.6	3			3										



Sr. No	Company	Salary in LPA	Total Offers	Dream Offers	No. of students Placed											
					Civil		Mechanical		Electrical		Electronics		Compter		IT	
					B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech	B.Tech	M.Tech
62	Sankalp Semiconductor	3.5	0								0	0				
63	JOHNSON & JOHNSON	3.5	3						1		1				1	
64	TCS(Code Vita)	3.36	5										4		1	
65	TCS	3.36	75	45			5	1	4		13	1	27	3	19	2
66	IBM	3.3	22	4					1		7		6	1	5	2
67	Infosys	3.25	133	9	2		13	6	21	3	20	4	33	4	25	2
68	Wipro	3.2	8	3			2						2		4	
69	Cardiac Design Labs	3.2	4	1							2			1	1	
70	CAPGEM-INI	3.15	21	20	0		1		6		4		4		6	
71	Mindtree	3.15	1						1		0		0		0	
72	FISERV.	3	5								4		1		0	
73	SCOPE T & M	3	3						1		2					
74	Sankey Solution	3	1										0	0	1	0
75	JW Consultants	3	7			7										
76	Mahindra & Mahindra	3	Result Awaited													
77	Bridge-stone	2.8	0	0			0									
Total Offers			531	159	16	11	70	18	60	8	65	15	151	12	98	7
Total No of Dream offers			160			0	18	0	18	2	21	3	57	2	38	1
Total No of Students Placed			371		16	11	52	18	42	6	44	12	94	10	60	6

### Labs Set-up through Collaborations

Sr. No.	Industry/ Organization	Centre	Department
1	John Deere	Research centre in embedded system	Electronics
2	IBM	Centre of Excellence	CSE
3	MPCB	Air quality monitoring Lab.	Civil
4	DRDO	High Performance Computing	IT
5	Danfoss	Refrigeration and Air Conditioning	Mechanical
6	3DPLM	Product Innovation Lab	Mechanical

### 3.4 Extra-Curricular Activities and other Achievements:

**E-Baja competition** held on 25th to 28th January, 2018 at Natrax Pithampur Madhya Pradesh, Out of 34 teams, only 13 teams were qualified through Technical Inspection for dynamic events. Our team (25 members) bagged following awards, appreciations and success:

- Winner in Sales and Marketing Presentation
- Winner in Sledge Pull test
- Best New Driver appreciated
- Second place in Engineering Design Evaluation
- Second place in lowest cost evaluation



**Effi-cycle Competition** Held during 1st to 5th November 2017 at Jalandhar LPU Jalandhar Punjab, Out of 64 teams, only 27 teams were qualified through Technical Inspection for dynamic events. Our team bagged following four awards –

- Runner up in acceleration
- First team to complete Technical Inspection OK
- Best Girl participant award
- Best faculty advisor award



### Electronics Engineering Students' Associations (ELESAs)

As a state level competition ELECTROVERT event was promoted all over the Maharashtra through campaigning and newspaper. Held on 9th and 10th September 2017, it witnessed both, the organizers and the participants, experience thrilling technological and managerial obstacles.

*"To shine like a sun, you first need to burn like a sun"*

These great words by Late Dr. APJ Kalam were the premiere principles which were evident from the way everyone completed their responsibilities. With absolutely no concern about any other thing, ELESAs channelized its entire workforce to reap good fruits. Campaigning schedules, financial track of all transactions, decorations were all a part of the golden times that the ELESAsites spent together to collectively make the event a grand success. No single ELESAsite showed any indication of fatigue throughout the event. This being the reason we proudly call ourselves, an "ELESAsite". So, the entire ELESAs fraternity, hand in hand; came up, worked tirelessly round the clock, which calls for a huge amount of appreciation.

There were total 16 colleges across 'Shivaji University' in which our organizing committee members did campaigning of event and itself in a 'Walchand College of Engineering, Sangli'. Around 550 teams contributing to more than 1000 participants were participated in ELECTROVERT 2K17.

Electrovert 2K17, being a two day event comprised of 7 competitions conducted on either of the two days. The committees were divided equally for smooth functioning of each and every event. With well-coordinated assignment of tasks, every aspect of the Electrovert 2K17 was taken care of.



### Electrical Engineering Students' Association (EESA)

EESA is a students' organization pioneered in technical activities, founded by Dr. U Gudar. It is the first and foremost established technical club at WCE, Sangli. It is active since 1976, with the concept of founder, guidance of staff advisor, under the leadership of final year students, executive row of third year students with full-fledged support of second and first year students together enhances the power of EESA.

EESA helps students pursue their technical interests thereby increasing their engineering expertise along with imparting soft skills. Since its inception, EESA is striving hard to meet its motto "To enhance technical comprehension, soft skills and managerial dexterity" of students pursuing electrical engineering in Walchand College of Engineering Sangli. EESA conducts club service on every Monday. Besides this, outdoor club services are conducted to help the members apply their theoretical knowledge.

#### **TECHNOCRAT: Annual Technical Symposium organized on 23<sup>rd</sup> & 24<sup>th</sup> of September 2017.**

Instead of keeping our activities limited to only our college, we aim at giving a common platform to students from various colleges to showcase their skills and also facilitate the sharing of knowledge and new technologies. This facilitates to improve the competitive spirit of students and helps them to develop at par with the constantly moving world. This is the sole purpose of organizing TECHNOCRAT. The number of footsteps visiting this event has been increasing year by year.



### Students Association of Information Technology (SAIT)

Since its inception in 2007, SAIT is working as departmental club of IT department. It is an organization created by the students and for the students. SAIT organize two mega events every year. And there are weekly meet-ups on every Monday to promote learning of different technical and soft skills aspects of IT Profession.

In year SAIT organized two events

1. TECHNOWIZARD
2. Tech-Nex



TECHNOWIZARD was workshop organized by SAIT and Lab Admin Committee of Department of Information Technology in first semester of respective academic year. This workshop was held on 7th and 8th October 2017. Tech-Nex was organized by SAIT in the second sem of respective academic year. In this event various technical and non-technical Competition were arranged. It was held on 17th and 18th March 2018.



#### ASSOCIATION OF COMPUTER SCIENCE AND ENGINEERING STUDENTS

Techumen is a national level technical symposium organized by ACSES (Association of Computer Science and Engineering Students) of Walchand College of Engineering, Sangli. Being national level competition it has achieved different level among many events held by colleges of Maharashtra.

There was a great rise of approximately 60% in number of entries considering the count of TECHUMEN 2k15 and 2k16. The event experienced increase this year too. The event in-charge was Mr. Vaibhav Thombre and mentors were Mr. Shivam Dhanadhya (President, TECHUMEN'15) and Mr. Prafull Desai (President, TECHUMEN'16). The event was successfully conducted under excellent guidance of staff advisor Prof. A. R. Surve and Head of Department Dr. B. F. Momin. This year there were many noteworthy innovations.

Members of ACSES have themselves created a coding platform. And one of the competitions – CodeWizard was successfully conducted on the same. It compiled over 700 codes and was a great event. Besides, we had a new event – REPUBLICA. This event had a background of administration and management and focused mainly on UPSC/MPSC and management aspirants. For the same event, we had Wing Commander Mr. Sanjay Patil as a chief guest with us. In this way TECHUMEN this year focused on all round development of an individual.





## Mechanical Engineering Students' Association-Mechanical Engineering Students' Chapter MESA-MESC

**Mechanical Engineering Students' Association-Mechanical Engineering Students' Chapter (MESAMESC)** is one of the leading departmental associations in Walchand College of Engineering, Sangli. It is a student activity where students from Mechanical Department organize themselves to develop and improve various skills including technical knowledge, aptitude, communication skills, presentation skills, general awareness etc. which is essential for an engineer when he goes to the outside to face the challenges in professional world. Its main objective is overall personality development of students of mechanical engineering. Various activities are carried out under MESA-MESC which targets all the students of Mechanical Engineering Department.

In academic year 2017-18, MESA-MESC had organized following events:-

- Weekly Club Services: soft skill development activities. Group discussions, extempore, management games, etc.
- VERTEX 2K17: The State Level Technical symposium organized on 7<sup>th</sup> & 8<sup>th</sup> of October, 2017
- Alumni Meet: Every year on second Sunday this event is organized by MESA-MESC.
- Interviews for selection of board members and Board handover



## Gymkhana Activities

### Zonal / Inter-Zonal / Inter-University Sports Activities

- 90 students (Boys and Girls) have participated in various sports activities conducted by the Shivaji University (Zonal / Inter zonal) at various games like Cricket, Basketball, Football, Chess, Volleyball (Boys/girls), Badminton, Table Tennis, Softball, kho-kho, kabaddi, etc.
- 25+ students out of 90 were qualified for Inter- Zonal Tournaments.

### Swimming

- Sangli zonal swimming tournament was held at district sports complex swimming tank Miraj on dated 30<sup>th</sup> and 31<sup>st</sup> August, 2017. 40 student's teams of college participated in zonal swimming (men & women) tournaments. Walchand college of Engineering team won runner-ups in overall zonal. WCE students took 21 medals in total.
- WCE team runner-ups overall with 73 points.
- Tej Sushant Kulkarni (S.Y. B. Tech. civil): Took 16 medals, 10 Gold and 4 silver, 2 bronze
- Vaibhav Vishwasrao Thombre (T.Y. B. Tech. CSE): Took 4 medals, 2 silver and 2 bronze
- WCE team took bronze medals in 4\*100 medley relay.
- All students qualified for Shivaji University Inter-zonal Swimming (men & women) Tournament at Bhogavati Mahavidyalaya Kurukali, Kolhapur.



**Chess**

- Sangli zonal Chess tournament was held at Deshbhakta Anandrao Balwantrao Arts & Science College Chikhali dated 11th and 12th Sept., 2017. 27 college's teams participated in zonal Chess (men & women) tournaments Walchand college of Engineering team gets runner-ups in overall.
- WCE team was runner-ups overall with 21 points.

**Basketball**

- Sangli zonal Basketball tournament was held at district sports complex Basketball court Miraj dated 14th and 15th Sept., 2017. 9 college's teams participated in zonal Basketball (men) tournaments Walchand college of Engineering team got Third place and Omkar Deshmukh honored as best player.
- WCE basketball men team qualified for Shivaji University Inter-zonal basketball men tournament will held at Tatyasaheb Kore basketball court Warnanagar, Kolhapur.

**Badminton**

- Sangli zonal badminton tournament was held at Rajarambapu indoor hall Sakhrule dated 1st and 2nd October, 2017.
- 08 students of colleges' teams participated in zonal badminton men tournament Walchand college of Engineering men team got runner-ups in overall.
- 10 colleges' teams participated in zonal badminton women tournament Walchand college of Engineering women team got Third rank in overall.
- Both teams qualified for Shivaji University Inter-zonal badminton tournament will December at Annasaheb Dange college Engineering and technology, Ashta, Sangli.

**Cricket men**

- Sangli zonal Cricket men tournament Organized by N.D. Patil Night College Sangli.
- Sangli zonal Cricket men tournament was held at Shivaji stadium, Walchand college ground and Chintamanrao College ground Sangli from 8<sup>th</sup> Nov. To 20<sup>th</sup> Nov. 2017. 23 teams participated in cricket tournament.
- Walchand college of Engineering Sangli men's cricket team got Third Prize trophy.

**Athletics**

- Sangli Zonal Athletics Meet Organized by Miraj Mahavidyalaya, Miraj, at District Sports Complex, Miraj Date, 6th, 7th Oct., 2017. 59 college's students participated in athletics meet.
- Atharv Kamble Tejkumar .F.Y.B.TECH civil ranked second ranks in Discus throw.

**Inter-Zonal tournament:****Basketball (women)**

- Shivaji university Inter-zonal Basketball women tournament was held at Tatyasaheb Kore Institute of Engineering and Technology Basketball court Warnanagar, Kolhapur, dated 18<sup>th</sup> and 19<sup>th</sup> Sept., 2017.
- 13 colleges' teams participated in Inter-zonal Basketball women tournament Walchand college of Engineering team Qualifying Quarter final round.
- BHAT ASTHA GIRISH (FY electronics) was selected in Shivaji University basketball women team. She played at West zone inter-university Basketball (women) tournaments at I. T. M. University, Gwalior, MP. She was also selected in Shivaji University basketball women team of Kridamohastav, for university level and played at Dr Babasaheb Sawant Konkan Krishi Vidyapith, Ratnagiri, Maharashtra.

**State/National Level selection****Handball Girls federation (Association) Tournament**

- Sanyukta Dongare F.Y. B. Tech (Mechanical) has selected in Maharashtra team as a captain of Maharashtra handball Girls team for 40<sup>th</sup> Junior National handball tournament (Girls under 19) held at Om Public school Reneben-nur Karnataka 10<sup>th</sup> Oct. to 15<sup>th</sup> Oct. 2017.



Inauguration of Cricket Zonal at WCE, Sangli



WCE cricket ranked third in Zonal level



WCE badminton team runner-ups



WCE zonal badminton team



Basketball team ranked third in Zonal



Basketball team with Director, WCE

### Our Proud Alumni

SN	Alumni	Position	9	Dr. S.G. Joshi	Joshi Technologies Inc, Columbia, USA
1	Prof. A. V. Patki	Ex Director, ISRO, Bangalore	10	Shri. M. N. Navale	Founder Trustee, Sinhgad Tech. Ed. Soc.
2	Dr. R. A. Katti	Ex Head, Thermal Systems, ISRO Bangalore	11	Shri. Vishwas Sapkal	Indian Ambassador to Armenia, High commissioner at Fiji
3	Dr. S. D. Awale	Ex-VC, Dr Ambedkar Tech. Univ., Lonere	12	Shri. B. Raheja	Eminent Builder, Mumbai.
4	Dr. P. A. Kulkarni	Ex-VC, Sikkim-Manipal Univ., Sikkim	13	Deepak Shikarpurkar	President, Computer Society of India
5	Shri. V. S. Prabhu	Vice Chairman, BSES, Mumbai	14	Mr. B.V. Aradhye	Ex Director, ISRO Ahmadabad
6	Shri. Adi Engineer	Vice Chairman, Tata Power, Mumbai	15	Shri B.R. Lanka	CEO, 3dPLM Division
7	Shri. Alim Chandani	Chairman, Stup Consultant, Mumbai			

## 4. OUTREACH AND INCLUSIVITY

### 4.1 FDP/Training Program/Guest Lecture organized and Attended by Faculty and Staff

#### Activities Conducted:

Name of Event	Details of Event	Name of Event Coordinator	Date of Event
Analog VLSI Design	Two day workshop by Prof. Gajare, SGGs, Nanded	Dr. S. Subbraman	14 , 15 Apr 2017
Low power Microcontroller	Summer Vacation course for UG Students	Mr.V. R. Gaikwad	1 June - 30 June 2017
Electric Power Systems	FDP by IIT, Kharagpur (NMEICT)	K. A. Mhaskar (Assistant Co-ordinator)	12 Jun - 15 Jul 2017
2 <sup>nd</sup> National Conference on Recent Trends in Mechanical Engineering (NCRTME)- 2017	National Conference at WCE Sangli	Dr. U.A.Dabade, Dr. B.S. Gawali Dr. D. V. Ghewade & Dr. M. M.Khot	29 to 30 Jun 2017
Gate-18 Online Subscription	6 Month Continuous Schedule	Mr S M Rathod	01 July 2017 - 12 Feb 2018
Clean Air Mission – Maharashtra 2022	” organized by MPCB at Mumbai on 22nd August 2017	Dr. Sonavane Pratap Ganpati	22nd August 2017
Two days workshop on machine learning	2 Days workshop	Mrs. M.A.Shah	2nd-3rd Sep 2017
ROBOEXPEDITION	Two Days Workshop at WCE Sangli for student by MESA	Prof. J. M. Dabir	30 Sept to 01 Oct 2017
Solid and liquid resource management (SLRM) (under TEQIP-III)	Resource person: C. Srinivasan,Vellore, Project Director & Consultant, SLRM, IGS	Dr.Sonavane Pratap Ganpati	30 Sept2017
Research Methodology	Dr. S. J. Bhosale, VJTI, Mumbai	Mr. S. G. Tamhankar	25-Nov-17
Project Management	Two Days Workshop at WCE Sangli	Prof. S. M. Ranade Prof. A. S. Bhandare Prof. A. K. Kale Dr. U. A. Dabade	17 to 18 Nov 2017
Pedagogical aspects in Signal Processing	AICTE sponsored	Dr. Mrs. A. A. Agashe	15 ,16Dec 2017
High Frequency Simulation Software	TEQIP sponsored	Dr. S. D. Ruikar	Dec-17
Research Symposium on Computing	2 days Symposium	Mr. S M Rathod Mrs. M.A.Shah Solapure S S Swapnil S. Sontakke	19-20 Dec 2017
Advances in Fluid Mechanics: Experimental and Computational	Five days STTP jointly arranged by Mechanical Department, WCE Sangli and Mechanical Department, Don Bosco College of Engg., Fonda, Goa	Dr. U. A. Dabade (WCE) Dr. Pravin Verekar (DBCE)	8 to 12 Jan 2018
Research Methodology	Two Days Workshop at WCE Sangli	Dr. M. M. Khot Dr. S. U Sapkal Prof. S. M. Ranade Dr. U. A. Dabade	16 to 17 Mar 2018
Automotive Electronics	Mr. Parshuram from John Dhere, Pune	Mr. Y. B. Mane	Mar-18
Applications of IoT” by	Procon Systems, Bangalore	Mr. S. G. Tamhankar	Mar-18
Product Innovation Lab Showcase	Hemant Gadgil, Director, Industry Solutions group at 3-D PLM Softwares Solutions Ltd. visited WCE Sangli	Dr. G. V. Parishwad, Dr. U. A. Dabade , Prof. Dr. S.U. Sapkal Prof. R.M. Chanmanwar	19 Mar 2018
Research Methodology	Two Days Workshop at WCE Sangli	Dr. M. M. Khot Dr. S. U Sapkal Prof. S. M. Ranade Dr. U. A. Dabade	16 to 17 Mar 2018
WCE Hackathon 2018	24hrs Coding competition	Mrs. M.A. Shah	24 and 25 March 2018
Workshop on IPR	1 Day workshop	Mrs. M.A. Shah	7th Feb 2018

Name of Event	Details of Event	Name of Event Coordinator	Date of Event
Advanced Parallel Processing	GPU concepts and applications CUDA programming model with hands-on	Mr. U. B. Chavan	17 February 2018
Inauguration of Product Innovation Lab	Inauguration of Product Innovation Lab	Dr. S.U. Sapkal Prof. R.M. Chanmanwar	24 Feb 2018
Recent Trends in Manufacturing Technology (RTMT)	Two Days Workshop at WCE Sangli	Dr. U. A. Dabade, Prof. A.S. Bhandare, Prof P.B. Chougule	06 to 07 Apr 2018
PLC and SCADA	Five Day Workshop	Mr. S. S. Karvekar, Mr. V. P. Mohale	02 to 06 Apr 2018
Matlab and its Applications	Five Day Workshop	Mr. S. S. Karvekar, Mr. V. P. Mohale	09 to 13 Apr 2018
Cloud Computing	1 Day Workshop	Mrs. M.A.Shah	11 April 2018
MATLAB and its Applications	Mr. Suraj Gawande, Designtech Systems Ltd, Pune	Dr. V. B. Dharmadhikari	10 – 12 Apr 2018
Two-days training on EMTP-RV software	Training for faculty & PG students	Dr. A. P. Vaidya	11-12 Apr 2018
Operational Amplifier Design using CADENCE	Prof. Gajare, SGGs, Nanded	Dr. S. Subbraman	15 , 16 Apr 2018
Origin: Data Analysis and Graphing Software	origin: Data Analysis and Graphing Software	Mr.Amol Mali and Anmol Magdum	23 Apr 2018
One Week FDP on "Recent Trends in Machine Learning"	One week workshop on Machine Learning under TEQIP-III	Mr. S M Rathod Mrs. H. V. Gandhi Mr. Swapnil S. Sontakke Solapur S S	5th to 9th June, 2018
One day workshop on Center of Excellence by Dassault Systemes	One day workshop on Center of Excellence under TEQIP-III	Mr. Swapnil S. Sontakke	14th June, 2018
2 days workshop on NLP	One week workshop on Machine Learning under TEQIP-III	Solapur S S Mr. S M Rathod	20-21 June 2018
3 <sup>rd</sup> National Conference on Recent Trends in Mechanical Engineering - (NCRTME-2018)	National Conference at WCE Sangli	Dr. U. A. Dabade, Dr. B. S. Gawali, Prof. A.S. Bhandare, Prof. V.V. Dhende	21 to 22 Jun 2018

### Guest Lecture Organized by Faculty:

Name of Faculty	Place	Subject	Date of Lecture
Mr.Magdum Anmol Arun	WCE Sangli	Competitive Exams for Technical students by Mr.Girish Khedkar, Pune, Mr.Balaji Choudari, Pune	26 Sept 2017
Mr.Magdum Anmol Arun	WCE Sangli	"Entrepreneurship Development and TMT Bars Quality Awareness" By Swapnil Dongardive, Expert in Global Business Development	26 Sept 2017
Dr. G. V. Parishwad	WCE, Sangli	"KASHMIRNAMA" delivered by Shri Sacchitanand Shewade, MUMBAI	03 Mar 2018
Dr. G. V. Parishwad	WCE, Sangli	Women's Day Programme delivered by 1. Mrs. Aditi Kulkarni, Prasadi Medical Equipments, MIDC, Miraj. 2. Nirbhaya Team of Sangli. (Police Dept.) 3. Mrs. Surekha Kunte, Advocate, Sangli.	08 Mar 2018
Dr. U. A. Dabade Prof. Ms. Rutuja S. Tande	WCE, Sangli	Thermal power plants delivered by Prof. Arvind Paranjpe, Retd.from TELCO, Pune.	20 Mar 2018
Mr. Magdum Anmol Arun	WCE Sangli	Prefabricated Construction and Pile Construction	10 Apr 2018

### Events Attended by Faculty:

Name of Event	Details of Event	Name of Faculty	Date of Event
Bus and Truck Body Building clarification Workshop	Two days workshop organised by Govt. of India Ministry of Road Transport and Highways, New Delhi at INDORE (MP)	Dr. U. A. Dabade	24 to 25 May 2017
Quality Management: Issues, Tools and Techniques	Two week STTP at Dept. of Mechanical & Industrial Engg. IIT Roorkee India	Prof. Sharad V. Gaikwad	29 May 2017 to 09 Jun 2017



Name of Event	Details of Event	Name of Faculty	Date of Event
Entrepreneurship Awareness Camp	One day event organised by NSTEDB, DST Govt. of India, New Delhi & SGGI Institutions, Atigre	Prof. S.M.Ranade	17 July 2017
Electric Power Systems	FDP by IIT, Kharagpur (NMEICT)	Dr. A. P. Vaidya	12 Jun - 15 Jul 2017
Electric Power Systems	FDP by IIT, Kharagpur (NMEICT)	Dr. D. S More	12 Jun - 15 Jul 2017
Electric Power Systems	FDP by IIT, Kharagpur (NMEICT)	K A Mhaskar	12 Jun - 15 Jul 2017
Electric Power Systems	FDP by IIT, Kharagpur (NMEICT)	V. M. Mohale	12 Jun - 15 Jul 2017
Electric Power Systems	FDP by IIT, Kharagpur (NMEICT)	Dr. R. P. Hasbe	12 Jun - 15 Jul 2017
Electric Power Systems	FDP by IIT, Kharagpur (NMEICT)	Mrs. A. S. Karvekar	12 Jun - 15 Jul 2017
Electric Power Systems	FDP by IIT, Kharagpur (NMEICT)	Mrs. A. A. Dhamangaonkar	12 Jun - 15 Jul 2017
Advanced Research Trends in CSE	3 day at GIT, Belgium	Solapure S S	27 – 29 July 2017
Popularisation of remote sensing based maps and geospatial Information	National Workshop on Popularisation of remote sensing based maps and geospatial Information jointly orgnized by ISRS & ISRO	Mr. Kavathekar Bhushan Rajendra, Mr. Magdum Anmol Arun	11 August 2017
Two days workshop on machine learning	2 Days workshop	Mrs. M.A. Shah	2nd-3rd Sep 2017
National Level Event - Eureka 2K17	Judge for Paper Presentation Competition TKIET, Warnanagar.	Dr. S. U. Sapkal	16 Sept 2017
Object Oriented Analysis And Design	8 Weeks	Mrs. N L Mudogol	Sept 2017
National Level Event - Eureka 2K17	Judge for Paper Presentation Competition TKIET, Warnanagar.	Dr. M. M. Khot	16 Sept 2017
Faculty Induction Program	Organized by NPIU & COEP Pune	Mr. Kavathekar Bhushan	27 Nov2017 to 02 December2017
Interdisciplinary Research in Bio Medical Engineering	One Week STTP arranged by Dept. of Mechanical Engg. VNIT, Nagpur	Prof. P.B. Chougule	09 to 13 Oct 2017
Geotechnical Investigation for structural Engineering	IIT Gandhinagar	Mr.A.K.Kokane	12-14 October 2017
Training at NPIU	Two Days Training Programme by NPIU SLA Coordination with AICTE Delhi	Dr. S.U. Sapkal	11 to 12 Nov 2017
Project Management workshop	Two days workshop organised by Pune Decan India Chapter , Pune	Dr. U. A. Dabade	17 to 18 Nov 2017.
Symposium on Cyber Security (SCS) at COEP	2 days workshop	Mrs. H. V. Gandhi	23rd Nov. to 24th Nov. 2017
Solar Photo Voltaic System	Two Days training organised by MSME-Technology Development Centre (PPDC) Govt. of India, Ministry of MSME Engineering Cluster, PUNE	Dr. G.V. Parishwad	25 to 26 Nov 2017
Induction Program for FY students	FDP by COEP Pune	K. A. Mhaskar	26 Nov -2 Dec 2017
Road Safety Audit and other Road Safety Related Aspects", for road safety auditors at CSIR	Central Road Research Institute, New Delhi, 27th November – 12 December 2017	Dr. Sonavane Pratap Ganpati, Dr. Munavalli G R, Dr. Gumaste Krishnakedar S, Mr. A.K. Mali	27th November – 12 December 2017
Industrial Program	AICTE sponsored , COEP Pune	Mrs. P. N. Savgave	27 Nov -2 Dec 2017
Scope of Metallurgical process and Material Testing of Advanced Materials	AICTE Sponsored, Two Weeks Faculty development programme organised by Dept. of Mechanical Engg. PVPIT, Budhgaon	Dr. U. A. Dabade	11 to 23 Dec 2017.
Pedagogical aspects in Signal Processing	AICTE sponsored	Mrs. M. R. Khare	15-16 Dec 2017
Pedagogical aspects in Signal Processing	AICTE sponsored	Ms. S. U. Patil	15-16 Dec 2017
Pedagogical aspects in Signal Processing	AICTE sponsored	Mr. S. G. Tamhankar	15-16 Dec 2017
Pedagogical aspects in Signal Processing	AICTE sponsored	Mr. S. K. Parchandekar	15-16 Dec 2017
Pedagogical aspects in Signal Processing	AICTE sponsored	Mr. R. G. Mevekari	15-16 Dec 2017



Name of Event	Details of Event	Name of Faculty	Date of Event
Pedagogical aspects in Signal Processing	AICTE sponsored	Mr. S. R. Khedkar	15-16 Dec 2017
Pedagogical aspects in Signal Processing	AICTE sponsored	Mr. N. V. Marathe	15-16 Dec 2017
Research Symposium on Computing (RSC 2017)	2 days, Participated in Evaluation Panel for T.Y and M.Tech Projects	Mrs. H. V. Gandhi	15th Dec. to 16th Dec. 2017
Realizing Science and Application of Micro and Nano-Machining	Three days short Term CEP course at IIT Bombay. Under TEQIP-III	Prof. A.S. Bhandare	18 to 20 Dec 2017
Real-Time Simulation & Applications in Power Electronics, Drives & Renewable Energy Systems	NIT, Kurukshetra	V. M. Mohale	18 Dec - 23 Dec 2017
Software Defined Network	Hands on session on Software Defined Network, at NITK	Dr. D. B. Kulkarni, Ms. A. M. Khot and Mr. Y. R. Sharma	19-23rd December 2017
GIAN Course On Software Based Networks: SDN And Integration Of Virtualization In Networks	1 Week	Mrs. N L Mudogol	19 - 23 December 2017
Research Symposium on computing	2 Days Symposium	Mr. Swapnil S. Sontakke	19th-20th Dec 2017
Research Symposium on computing	2 Days Symposium	Mrs. M.A. Shah	19th-20th Dec 2017
Research Symposium on computing	2 Days Symposium	Ms. Ankita V. Terkhedkar	19th-20th Dec 2017
Advances in Thermal Systems Materials & Design Engg. Manufacturing Applications - 2017	Two Days International Conference at VJTI, Mumbai	Prof. R.M. Chanmanwar	21 to 22 Dec 2017
Advances in Thermal Systems Materials & Design Engg. Manufacturing Applications - 2017	Two Days International Conference at VJTI, Mumbai	Dr. S. U. Sapkal	21 to 22 Dec 2017
7th ICPS (Paper reviewer & Session 5 Co-chair)	7th International Conference on Power Systems at CoE, Pune	Dr. A. P. Vaidya	21-23 Dec 2017
International conference on power system	CoE Pune	S R Devne	21-23 Dec. 2018
Recent Computational Methods and its Application for Analysis and Optimization	Two days National Seminar at Mechanical Engg. VIIT, Kondhwa (Bk.), Pune	Dr. M.M. Khot	26 to 27 Dec 2017
Avishkar Mahotsav 2017	Expert Examiner at Avishkar Mahotsav 2017 Event, Nano Science and Technology, Shivaji University, Kolhapur.	Dr. B.S.Gawali	05 Jan 2018
Start-up Cell	Two Days Workshop at MNIT, Jaipur	Prof. S. M. Ranade, Prof. A.U. Paranjpe	08 to 09 Jan 2018
Fifth International conference on Transformation in Engineering Education (ICTIEE)	Fifth International conference on Transformation in Engineering Education (ICTIEE) 2018 Organized by Thiagarajar College of Engineering Mudhurai	Dr. Gumaste Krishnakedar	08-09 January 2018
Training Session of MIG/TIG Welding Machine's	One day training Rolex Machinery Corporation, Pune & WCE Mech Dept.	Prof. J. M. Dabir	12 Jan 2018
Refrigeration Conference-2018	Arranged by ISHRAE PUNE at Kolhapur.	Dr. B. S. Gawali	16 Jan 2018
Artificial Intelligence and Medical Image Processing	KLE Dr. M. S. Sheshgiri college of Engg. Belagavi	Mrs. M. R. Khare	16 -21 Jan 2018
Forming Technology	Organized by: IMTEX 2018 & BIEC, Bangalore	Dr. U. A. Dabade	24 Jan 2018
"Programming, Data Structure and Algorithm using Python" NPTEL course	12 week course, Qualified with Elite Grade (82%)	Mrs. H. V. Gandhi	24th Jan to 21st May 2018
Computing Communication and Signal Processing	BATU, Lonere	Dr. Mrs. S. S. Deshpande	26-27 Jan 2018
MATLAB Applications in Science & Technology (MAST'18)	Five days DTE Sponsored STTP organised by Dept. of Electrical Engg. Govt. Polytechnic, Karad.	Prof. S.V. Gaikwad, Prof. B.N.Naik	05 to 09 Feb 2018
Workshop on IPR	1 Day workshop	Mrs. M.A.Shah	7th Feb 2018
Advanced Design and Manufacturing using VERO Software Products	One Day Workshop at Kolhapur	Dr. U. A. Dabade and Prof. A.S.Bhandare	11 Feb 2018
Recent Trends in Engg. And Technology (NCRTET 2018)	Session chair at National Conference organised by KBP Satara	Dr. U.A. Dabade	20 Feb 2018
Finite element Analysis in Geotechnical Engg	Five days STTP arranged by Dept. of Civil Engg. WCE Sangli.	Prof. P. A. Mane	20 to 24 Feb 2018

Name of Event	Details of Event	Name of Faculty	Date of Event
Applications of Internet of Things	Two days FDP arranged by Dept. of Environmental & Mechanical Engg. Shivaji university Kolhapur	Prof. P. B. Chougule	24 to 25 Feb 2018
Recent Innovations in Mechanical Engg. - NCRIME 2018)	Chief Guest and Session Chair at National Conference arranged by JSPMNTC, PUNE	Dr. U. A. Dabade	27 Feb 2018
VLSI Design: Basics to Advanced	QIP FDP- SGGGS Nanded	Mr. R. G. Mevekari	13 -17 Mar 2018
EMPIRE 2018	Expert Judge for one day project exhibition organised by Sanjay Bhokare Group of Institute, Miraj	Dr. B.S. Gawali	17 Mar 2018
Solar Energy Harvesting	QIP FDP, SGGGS Nanded	Dr. S. D Ruikar	27 - 31Mar 2018
Cloud Computing	1 Day Workshop	Mrs. M.A. Shah	11 April 2018
Recent Trends in Machine Learning Programme	One Week STTP Organised by Dept. of CSE, Jabalpur & Dept. of CSE, WCE Sangli.	Prof. J.M. Dabir	05 to 09 June 2018
Recent Trends in Machine Learning	1 week, CSE Department WCE Sangli	Solapure S S	5-9 June 2018
One Week FDP On "Recent Trends In Machine Learning"	1 Week	Mrs. N L Mudogol	5-9 June 2018
Recent Trends in Machine Learning	1 week, CSE Department WCE Sangli	Mrs. M.A. Shah	5-9 June 2018
One Week FDP on "Recent Trends in Machine Learning"	Participated in FDP under TEQIP III	Mrs. H. V. Gandhi	5th to 9th June, 2018
One Week FDP on "Recent Trends in Machine Learning"	One Week workshop on Natural Language Processing Under TEQIP-III	Ms. Ankita V. Terkhedkar	5-9 June 2018
One day workshop on Center of Excellence by Dassault Systemes	One day workshop on Center of Excellence under TEQIP-III	Mr. Swapnil S. Sontakke	14th June, 2018
One day workshop on Center of Excellence by Dassault Systemes	One day workshop on Center of Excellence under TEQIP-III	Mr S M Rathod	14th June, 2018
One day workshop on Center of Excellence by Dassault Systemes	One day workshop on Center of Excellence under TEQIP-III	Mrs. M.A. Shah	14th June, 2018
One Day Workshop At Capgemini Pune	1 Day	Mrs. N L Mudogol	18 June 2018
Two days workshop on Natural Language Processing	Two days workshop on Natural Language Processing	Mr. Swapnil S. Sontakke	20-21 June 2018
Two days workshop on Natural Language Processing	Two days workshop on Natural Language Processing Under TEQIP-III	Mr S M Rathod	20-21 June 2018
Two days workshop on Natural Language Processing	Two days workshop on Natural Language Processing Under TEQIP-III	Ms. Ankita V. Terkhedkar	20-21 June 2018
Two days workshop on Natural Language Processing	Two days workshop on Natural Language Processing	Mrs. M.A. Shah	20-21 June 2018
IEEE Women In Engineering Symposium	2 days, IIIT Pune	Solapure S S	22-23 June 2018

### Guest Lecture Delivered by faculty

Name of Faculty	Place	Subject	Date of Lecture
Dr. Sonavane Pratap Ganpati	VIIT, Pune	Resource person for a Session of MSWM at STTP on "Environmental Pollution & remediation"	11 March 2017
Dr. S. Subbaraman	DKTE, Ichalkaranji	Advanced Signal, Image and Video Processing on FPGA	26-30 June 2017
Mrs. H. V. Gandhi	J.J. Magdum COE, Jaysingpur.	Functional Modeling	11th Aug. 2017
Dr. A. P. Vaidya	WCE, Sangli	Microcontroller Based Relays	Aug-17
Anil R. Surve	J.J. Magdum COE, Jaysingpur.	IoT the new era	12th Aug. 2017
Prof. Pravin Mane Dr. M.M. Khot	WCE Sangli	Design and Development of Efficient Mechanically Driven Car to present in ISIE-IKR 2K17.	17 Aug 2017
Dr. Munavalli G R	SDM College of Engineering and Technology, Dharwad	Organic Solid waste Management	5 Sept 2017
Mr. R. G. Mevekari	SBGI Miraj	Transducers and Measurement	9-Sep-17
Dr. A. P. Vaidya	SBGI, Miraj	PU quantities & Symmetrical components	Sep-17
Dr. A. P. Vaidya	SBGI, Miraj	Scope of Electrical Engg. In Future	Sep-17
Dr. D. S More	SBGI, Miraj	Synchronous Machines	Sep-17
Dr. Munavalli G R	KITS College of Engineering	Save River Save Life	17 Sept 2017
Prof. A. P. Patil	Sharad Institute of Technology College of Engg., YADRAV, Ichalkaranji	Introduction to Finite Elements Method and its Application	19 Sept 2017

Name of Faculty	Place	Subject	Date of Lecture
Prof. Amar Paranjpe	Dr.J.J.Magdum College of Engg. Jaysingpur	Design and Development of GO-KART as per rule Book 2017	22 Sept 2017
Prof. A.B.Admuthe	Sharad Institute of Technology College of Engg., YADRAV, Ichalkaranji	Mechanical Engg. Materials	22 Sept 2017
Prof. S. D. Jagtap	Karajgi Orchid College of Engg. & Technoogy, Solapur.	Recent Trends in Gas Turbines	28 Sept 2017
Anil R. Surve	Latthe Polytechnic Sangli	Internet of Things, keynote speech	5 October 2017
Mr. S. S. Karvekar	SBGI Miraj	Control System II	11 Oct 2017
Mr. S. S. Karvekar	PVPIT Budhgaon	Arduino Microcontroller	14 Oct 2017
Dr. B. S. Gawali	Sharad Institute of Technology College of Engg., YADRAV, Ichalkaranji	Role of measurement in research	02 Nov 2017
Dr. U. A. Dabade	K.J. Somaiya College of Engineering, Mumbai	Electric Discharge Machining	19 & 20 Nov 2017
Dr. Munavalli G R	Sanjivani College of Engineering, Sahajandnagar	Water quality at point of use and its treatment and groundwater pollution and treatment technologies	20-11-2017
Mr. A.K. Kokane	Sharad Institute of Technology, Yadrav	Construction project Management	2 Nov 2017
Dr. U. A. Dabade	PVPIT, Budhgaon	Powder Metallurgy	19 Dec 2017
Dr. M. M. Khot	VIIIT, Kondhwa (Bk.) PUNE	Recent Computational Methods and its Application for Analysis and Optimization	27 Dec 2017
Dr. U. A. Dabade	Don Bosco College of Engg., Fonda, Goa	Research Proposal preparation	08 to 12 Jan 2018
Dr. B. S. Gawali	Don Bosco College of Engg., Fonda, Goa	CFD – Case Studies	08 to 12 Jan 2018
Prof. R. M. Chanmanwar, & Dr.S. U. Sapkal	WCE Sangli	3D Experience Training	09 Jan 2018
Dr. Gumaste Krishnakedar	CSIBER, Kolhapur	Best Practices at WCE	29-01-2018
Ms. A. M. Khot	SIT, Ichalkaranji	Software Testing Practical Approach	8 Feb 2018
Dr. S. Subbaraman	NPIU on OBE at Delhi	NPIU on OBE at Delhi	Feb. 2018
Dr. D. S More	Ashokrao mane college of Engineering Vatar	Wind generators and control	Feb-18
Dr. V.D. Salkar	Jabalpur Engineering College	Numerical Computation and Optimization Techniques	06- 10 February 2018
Dr. S. Subbaraman	Odisha	OBE and NBA orientation program at Odisha	Feb. 22-26, 2018
Dr. D. S More	SBGI, Miraj	DC Machines and Transformer	Mar-18
Dr. D. S More	Sanjay Ghodawat group of Institutes Atigre	Electrical drives	Mar-18
S R Devne	SGU, Atigre	Induced overvoltage due to lightning and switching	4-Mar-18
Dr. S. Subbaraman	Jabalpur, M P.	OBE and NBA orientation program at Jabalpur, M P.	7-8 March 2018
Dr. S. Subbaraman	KLE College, Chikodi	Expert lectures on “ High Speed Digital Design Challenges”	10 March 2018
Dr. S. Subbaraman	SGGS Nanded	“Challenges in High Speed Digital Design” and “ DSP-VLSI”	15 March 2018
Prof. A. P. Patil	Annasaheb Dange college of Engineering & Technology, Ashta.	Holzer Method and shaft alignment	23 March 2018
Dr. U. A. Dabade	Finolex Institute, Ratnagiri	Micro Machining	24 Mar 2018
Dr. S. U. Sapkal	Tatyasaheb Kore Institute of Engg. & Technology, Warananagar	Statistical Quality Control	26 Mar 2018
Dr. S. Subbaraman	Dharmasha, H. P.	OBE and NBA orientation program	27-18 March 2018
Dr. B. S. Gawali	PVPIT, Budhgaon	Cryogenic Engineering	04 Apr 2018
Dr. S. Subbaraman	Bhopal	OBE and NBA orientation program at RGTU, Bhopal	26-29 April 2018

## 4.2 TIFAC Details 2017-18

### Students-Internship under TIFAC-RGSTC Grant

Walchand College of Engineering has been selected for the implementation of the prestigious scheme of Rajiv Gandhi Science & Technology Commission (RGSTC) and Technology Information, Forecasting and Assessment Council (TIFAC), Department of Science & Technology, Government of India for providing technical support to the Micro, Small and Medium Enterprises (MSMEs) by leveraging the capabilities of students and faculty of engineering & technical institutions.

This ongoing scheme has enhanced the involvement of students and faculty of the college with industries. Through this scheme the students and faculty are providing technical support to the otherwise technologically deficient MSMEs. More importantly, such a process is able to nurture an innovation ecosystem which is benefiting both the MSMEs as well as the technical institutions.

The objectives of the scheme are:

- Creation of a platform for establishing interaction between academia and MSME industries on a mutually win-win basis
- Establishing a platform for the MSME cluster industries to access R&D and technical support leveraging the knowledge base of faculty and knowledgeable human resource in the form of students.
- Providing hands on engagement and practical experience to the students and faculty on existing technical challenges in the industry and,
- Nurturing an innovation ecosystem that benefits both the industry as well as the technical institution. The students are paid stipend for working on the industry problems under the scheme. "The scheme is successfully running for the session 2017-18. This scheme is already sanctioned for the session 2018-19"

### About TIFAC

Technology Information, Forecasting and Assessment Council (TIFAC) is an autonomous organization set up in 1988 under the Department of Science & Technology to look ahead in technologies, assess the technology trajectories, and support technology innovation by network actions in select technology areas of national importance. In 1993, TIFAC embarked upon the major task of formulating a Technology Vision for the country in various emerging technology areas and prepared the Technology Vision 2020 for technology development of the country by leveraging technology innovation through sustained and concerted programmes in close association with academia and industry.

### About RGSTC

For the advancement, propagation and promotion of applications of science and technology to the various problems faced by the society and to the developmental work, Government of Maharashtra has formed Rajiv Gandhi Science & Technology Commission.

UG students get scholarship of Rs. 5000/- pm for Summer-Internship and shortlisted students Rs. 10000/- pm for doing project in Small and Medium Scale Industries

RGSTC-TIFAC-MSME Internship Scheme for providing technical support to the Micro Small and Medium Enterprises

**1st Stage-** Duration: 2 months; 30 Students undergone internship in 13 MSMEs

**2nd Stage-** Variable Project Based Technology Development Support; Project Duration: 6 months; Total 3 projects selected

### Students-Internship under TIFAC-RGSTC Grant:

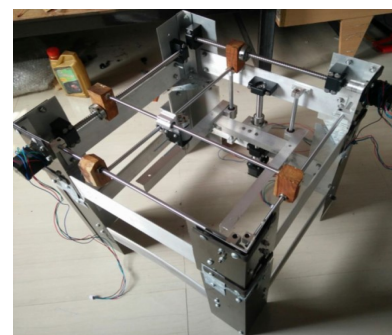
Details of Industry and Students RGSTC-TIFAC Scheme Phase-I 2017-18			
Sr. No.	Name of the industries involved in TIFAC scheme	Project Title	Name of the Students
1	M/ S Jagdish and Sons	Automatic Inoculation for manual pouring	Ashwini Raosaheb Rangar Manali M. Kulkarni Suvidya N.Mane
2	Trimurti Engineer, MIDC Kupwad	Testing and monitoring of real time temp. monitoring system	Atul Bhandare Hrishikesh Ponkshe
3	Mahabal Metal MIDC Miraj	Automatic inspection of flywheel using image processing	Minal Sanjay Waghmare Isha Bhalchandra Sathaye
4	Fine industries	Design and Development of rockwell hardness tester	Shende Soham Namdev Bhosale Balasaheb Pandit
5	Mechsun Industries, Sangli	Design and Development of Hybrid ORC System	Swaraj Subhash Relekar PrashantMahadev Mahurkar



Details of Industry and Students RGSTC-TIFAC Scheme Phase-I 2017-18			
Sr. No.	Name of the industries involved in TIFAC scheme	Project Title	Name of the Students
6	Purva Metals MIDC Miraj	Sand screening machine	Saish Shivaji Bansode Prathamesh Mahadev Khanaj
7	Prasaditi Medical Equipment, Kupwad MIDC	Medical fluid warmer to maintain normothermia	Madhavi S. Gulavani Priyanka Hindurao Desai Yash S Doshi
8	Hem Electronics Kupwad MIDC	Active power corrected LED driver	Sangram Shinde Amol Bedarkar
9	Power Control Electro system MIDC Miraj	Design and fabrication of phantom loading kit	Shweta Chandrakant Gaikwad Harshali Shankar Mule
10	System And Control Pvt. Ltd, MIDC Kupwad	Design of earth leakage relay	Vaibhav Vitthal Nimbalkar Naveen Govind Mushan Shubham Appasaheb Kamble
11	J.K. ELECTRICALS	GSM based monitoring of distribution transformer	Kanwade Amrita Sanjay Shruti S. Mirajkar Nikita Anil Pawar
12	PG Tamhankar Consultancy, Sangli	A new way to find bond strength of new to old concrete	Shivaji Sudhakar Vhangale Divya Ahok Rajurkar
13	Praxis Infotech Pvt Ltd Sangli	Social places on Gmaps	Parvati A Shivshivsharan Shubham Parashram Sawant
Total no of Students			30

Student Details for Project Competition Phase II 2017-18			
Sr. No.	Name	Enrollment No.	Project Name
1	Atul Bhandare	2014BME019	Real-Time Temperature Monitoring System Trimurti Industries Pvt. Ltd, Sangli
2	Hrishikesh Ponshe	2014BME059	
3	Yash Doshi	2014BEN064	
4	Madhavi Gulavani	2014BEN069	Medical Fluid Warmer To Maintain Normothermia Prasaditi Medical Equipment P Ltd, MIDC, Miraj.
5	Priyanka Desai	2015BEN205	
6	Prashant Mahurkar	2015BME206	Design and Development of Hybrid ORC System Mechsun Industry Sangli
7	Swaraj Relekar	2015BME208	

### Evaluation Meeting Held on 5<sup>th</sup> August 2018 at WCE Sangli and Projects Presented





### 4.3 Interaction with outside world

#### Industrial Visits:

Place of Industrial Visit	Coordinator of Industrial Visit	Total Participants	Date of Visit
Chitale Dairy Pvt. Ltd., Bhilvadi	Prof. V.P.Mohale Dr. U.A. Dabade	2 & TY students	25 Jun to 5 July 2017
Linkloops, Pune	Dr.S. N. kore	3 Final year BTech student	14-Aug-17
Chougule Industries Pvt. Ltd, Sangli	Mr. Y. B. Mane	4 students of Mtech Electronics	16-Aug-17
Basko Industries, Kupwad MIDC, Sangli	Mr. R. M. Chamanwar	15	18 Aug 2017
Chitale Dairy Pvt. Ltd., Bhilvadi	Dr. B.S. Gawali Dr. U.A. Dabade	First & B tech students	22 or 29 Sept 2017
Kirloskar Brothers Ltd., Kirloskarwadi, Sangli	Dr. U.A. Dabade	33	05 Oct 2017
Sangli and Miraj	Dr. G. R. Munavalli	80	3 to 7 Oct 2017
Wipro Kerala	V N Honmane	45	03-Oct-17
IMTEX 2017 HAL, Bangalore and Sanwa Diamond tool and BEML Mysore.	Dr.U.A.Dabade, Prof. P. B.Chougule, Prof.Ms.R.S.Tande	S.Y. B.TechMech Students	26 Oct to 01 Nov2017
Kolhapur Zilha Sahakari Dudh Utpadak Sangh Ltd., GokulShirgaon., Kolhapur	Prof. P.D. Maskar, Prof. V.V. Dhende	31	03 Nov 2017
Additive Manufacturing Pvt., Ltd., Hyderabad	Dr. K. H. Inamdar	1	03 Nov 2017
Wipro Kerala	S M Rathod	45	03-Nov-17
M/s. Sangli Aluminium Extrusions Pvt. Ltd., Kupwad MIDC, Sangli	Dr. K.H. Inamdar	24	04 Nov 2017
FIAT Automobiles India Pune and Altair Engg. Pune	Dr. M.M.Khot	30	10 Nov 2017
3D PLM Pune	Dr. M.M.Khot	30	11 Nov 2017
M/s. Sangli Aluminum Extrusions Pvt. Ltd., Kupwad MIDC, Sangli.	Dr. U.A. Dabade, Prof. P.B. Chougule	30	27 Nov 2017
Dr. Babasaheb Ambedkar Technological University, Lonere	Dr. S. U. Sapkal	1	28 to 30 Nov 2017
Bharat Rerolling Steel., Madhavnagar MIDC, Sangli	Dr. U.A. Dabade, Prof. A.S. Bhandare	30	29 Nov 2017
AICTE EVC, Hyderabad	Dr. U. A. Dabade	1	04 to 06 Dec 2017
ESDS Software Solution Pvt. Ltd, Navi Mumbai	Mr. U. B. Chavan	8	8/1/2018
ISRO Space Centre and KKNPP	Dr. B. G. Patil, Dr. S. N. Kore	50	14 to 23 Jan 2018
IMTEX Bangalore, CIPET and BEML Mysore.	Prof. A.S. Bhandare	25	24 to 30 Jan 2018
Kirloskar Brothers Ltd., Kirloskarwadi and Hutatma SSK Ltd., Walwa.	Dr. B. S. Gawali, Prof. R.S.Tande	70	01 Feb 2018
ACREX Exhibition, HAL & ISRO Museum Bangalore.	Dr. B.S. Gawali	19	23 Feb to 03 Mar 2018
Industrial Visit To Wipro Kerala	Mr S M Rathod	7 Day Industrial Visit To Wipro B Tech And M Tech	23 Feb 2017 - 03 March 2017
JK ICE Factory, Miraj	Prof. A.S. Bhandare	19	18 Mar 2018
Rajarambapu Patil SSK.,Ltd. Unit-III, Ashta	Prof. V.V. Dhende, Prof. P.D. Maskar	31	23 Mar 2018
Mahabal Auto ancillaries pvt. Ltd., Industrial Estate, Miraj	Prof. J.M. Dabir	S.Y. B.Tech Mech Students (All) & 2 Faculty	22 Mar 2018
Bharat Rerolling Mills, Madhavnagar Sangli.	Dr. U.A. Dabade Prof. A.S.Bhandare	S.Y. B.Tech Mech Students & 2 Faculty	11 Apr 2018
Dattatray Industries MIDC Miraj & Jagdish Iron & Steel”	Dr. U.A.Dabade Prof. A.S.Bhandare	S.Y .B.Tech Mech Students & 2 Faculty	11 Apr 2018
Sangli Aluminium Extrusion. Pvt. Ltd., MIDC Kupwad	Dr. U.A.Dabade Prof. A.S.Bhandare Prof. P.B.Chougule	S.Y. B. Tech Mech Students & 2 Faculty	13 Apr 2018
Mahabal Metals Pvt. Ltd., MIDC Kupwad.	Dr. S.U.Sapkal	T.Y. B.Tech Mech Students(All) & 2 Faculty	16 Apr 2018

### MoU's Signed with Industries and Institutes

In order to increase the interaction with Industries and other renowned Institutes many MoUs were signed by the institute. The details of these MoUs are given below:

#### Academic

1. Goethe Institute, Germany (24.06.2014)
2. College of Engineering, Pune (31.07.2014)
3. Indian Institute of technology, Bombay (10.09.2014)
4. Dr. Jivraj Mehta Institute of Technology, Anand (Gujarat) (24.09.2014)
5. Dr. JJ Magdum College of Engineering, Jaysingpur (10.11.2014)
6. Sardar Patel College of Engineering, Mumabi (11.12.2014)
7. National Institute of Technology, Silchar, Assam (29.12.2014)
8. Dr. Babasaheb Ambedkar Technological University, Lonere (20.12.2014)
9. Bharati Vidyapeeth Deemed University, Medical College & Hospital, Sangli (01.01.2016)
10. Government Engineering College, Jabalpur (21.07.2017)
11. Government College of Engineering, Karad (12.08.2017)

#### Industry:

1. SSC NASSCOM (12.03.2014)
2. Agile Developer Inc., USA (11.04.2014)
3. Omega Consultancy (OC), Kolhapur (01.06.2014)
4. Sakal India Foundation, Pune (17.06.2014)
5. Sandriver Technologies Pvt. Ltd., Pune (10.07.2014)
6. ARE Test System, Miraj (21.07.2014)
7. John Deere India Private Ltd. Pune (24.12.2014)
8. Mentor Graphics (Applied Micro Circuits India Pvt. Ltd) (30.12.2014)
9. Danfoss Industries Pvt. Ltd., Chennai (24.03.2015)
10. Sify Technologies (04.07.2015)
11. Sharda Electronics & Co., Sangli (05.08.2015)
12. Reliance Infrastructure Ltd., Dahanu (24.06.2016)
13. 3D PLM Software Solutions Ltd., Mumbai (28.07.2017)
14. Tata Consultancy Services, Ltd., Mumbai (01.08.2017)
15. Eduvance, Vanmat Technologies Pvt. Ltd., Mumbai (18.11.2017)

Most of these MOU's with Industries are aimed at increasing interaction with our Institute. Industry People will participate in the BOS to help in curriculum development. A few of these industries such as John Deere, Danfoss, Mentor Graphics have helped in development of Laboratories by donating hardware and software to the Institute, Industry Internship, Live Project, Project competitions for our students, Financial support during various Students events. Instituting Awards for the best performing students such as Best Project Award and Best Student of the Year by TCS. Organizing Students and Faculty Training Programs. Placement for our students, Participation as Judges in Technical Events or in Oral Viva Examinations of the students. etc.

#### UG Internship in the Industry:

Final Year UG students were placed in different Industry for 5 Months. During this period they carried out their Project and Thesis work in the Industry and gave one subject on self-study mode. Their progress seminars and final Viva was conducted in the Institute.

## Activities of Start-up Cell:

### Objective of Start-up Cell:

- To Develop a Critical Mass of Motivated Students & Faculties with Entrepreneurial Orientation & Skill
- To Build Infrastructure Support for Innovation & Early Stage Enterprise development and Enabling Access to Resource & Facilities at Institute
- To Enhance In-House Competency Development to Serve Potential and Early Stage Entrepreneurs and Student Innovators at the Institute.
- To Strengthen the Inter Department and Inter-Institutional linkage, Incubators and Other Ecosystem Enablers at Different Levels.

### GETT:

It was suggested by National Program Implementation Unit for Startup India to conduct one scientific test to identify the group of students and teachers having natural tendency for entrepreneurship. This General Enterprising Tendency Test (GETT) consists of a standard questionnaire having only two options Agree/Disagree. These answers are marked in tabular form having alternate blank and hashed cells. Based on A or D marked in particular cell marks are given as per the scheme suggested and results are drawn.

General Enterprising Tendency Test for all Degree and Post Graduate Students from Walchand College of Engineering Sangli from 1<sup>st</sup> April 2018 to 15<sup>th</sup> April 2018.

Number of students attempted GETT				
Branch/Year	F.Y	S.Y	T.Y	M. Tech
Mechanical	41	73	69	49
Civil	36	67	69	40
Electrical	44	63	59	34
Electronics	39	28	25	24
CSE	41	56	59	8
IT	35	65	28	-
<b>Total</b>	236	352	309	155

Scoring Classification				
Below 30	31-35	36-40	above 40	Total
363	356	254	79	1052+62

GETT was conducted in the Dept. of Electrical Engineering for **13 faculties**.

This activity is essential to identify useful personality cults for the student, which helps him to become entrepreneur. It is said that catch them young. Our main focus was on F.Y. B. Tech students and S.Y. B. Tech students. As their enterprising ability is identified in early stage in their course, sufficient time is available to groom them in next 2-3 years for starting their own startup.

Students are classified according to marks they scored in GETT. A group of students who scored more than 40 marks are considered as best student group for providing advanced training.



**Faculty Training being conducted by start-up cell coordinator for the department of Electrical Engineering**

## 6. DIPLOMA WING ANNUAL ACTIVITIES

### 6.1 Admission Details 2018-19:

Polytechnic Wing of Walchand College of Engineering is one of Top Institutes in all Polytechnic Colleges in Maharashtra as per as Admission Cut off every year is concerned.

SN	Branch (Intake)	W.C.E. Sangli	G.P. Pune	G.P. Karad	G.P. Kolhapur	G.P. Mumbai	G.P. Miraj
1	Civil Engg (42)	94.6	91.8	88.6	91.0	76.40	86.2
2	Mechanical Engg (63)	93.8	93.2	87.8	90.0	88.40	87.0
3	Electrical Engg (63)	94.8	87.6	92.2	89.0	82.60	---
4	Ind. Electronics (42)	92.8	88.6	87.2	68.6	79.60	47.0
Average-Total		94.0	90.3	88.9	84.7	81.75	73.4

**WCE Preference:** 1. Electrical; 2. Civil; 3. Mechanical; 4. Industrial Electronics;

### 6.2 Faculty Activity Details:

	Sanctioned	Regular	Ad-hoc	Total
<b>Diploma Faculty</b>				
<b>Vice Principal</b>	1	0	0	00
<b>HOD</b>	4	2	0	02
<b>Lecturer</b>	34	22	0	22
<b>System Analyst</b>	1	0	0	0
<b>Total Faculty</b>	40	24	0	24

**Regular Diploma Faculties as on June 2018:**

Sr	Name of Faculty	Age	Designation	Qualifications	Experience
<b>Mechanical Engineering Department</b>					
1	Kamble Ashok Vishnu	51	Lecturer in Mechanical Engg.	M.E. Mechanical	28
2	Urunkar Deepak Baburao	50	Lecturer in Mechanical Engg.	M.E. Mechanical	25
3	Anuse Bhargawaram Aganu	50	Lecturer in Mechanical Engg.	M.E. Mechanical	26
4	Tikekar Hemant Narayan	52	Lecturer in Mechanical Engg.	M.E. Mechanical	28
<b>Civil Engineering Department</b>					
5	Kulkarni Harshad Purushottam	46	HOD civil Engg	M.E. Civil	21
6	Kadam Kashinath Shankar	54	Lecturer in Civil Engg.	B.E. Civil	30
7	Kulkarni Sunil Narayan	56	Lecturer in Civil Engg.	M.E. Civil	30
8	Chikurde Sunil Vasant	52	Lecturer in Civil Engg.	M.E. Civil, DCS, DBM	23
9	Kamble Nitin Nivrutti	45	Lecturer in Civil Engg.	M.E. Civil	23
<b>Applied Mechanics</b>					
10	Pophare Sanjiv Mahadeo	50	Lecturer in Applied Mechanics	M.E. Civil	21
<b>Electrical Engineering Department</b>					
11	Rajendra Gangaram Bhosale	57	HOD Electrical Engg. I/c VP (PW)	B.E. Electrical	34
12	Mane Jayawant Yashwantrao	50	Lecturer in Electrical Engg.	B.E. Electrical	28
13	More Adikrao Shamrao	51	Lecturer in Electrical Engg.	M.E. Electrical	27
14	Dr. Apte Narayan Gangadhar	45	Lecturer in Electrical Engg.	M.E. Electrical, Ph.D.	21
15	Bhosale Akshay Rajendra	31	Lecturer in Electrical Engg.	M.Tech. Electrical	8
16	Kamble Sushant Subhash	28	Lecturer in Electrical Engg.	M.Tech. Electrical	4
<b>Electronics Engineering Department</b>					
17	Dr. Agashe Anil Anant	50	Lecturer in Electronics Engg.	M.E. Electronics, Ph.D.	29
18	Patil Pradeep Bhausaheb	50	Lecturer in Electronics Engg.	M.E. Electronics	29
19	Dr. Sulakhe Vinayak Vishwanath	50	I/c HOD Electronics Engg	M.E. Electronics, Ph.D.	28
20	Narayankar Nitin Siddheshwar	34	Lecturer in Electronics Engg.	M.Tech. Electronics	11

Sr	Name of Faculty	Age	Designation	Qualifications	Experience
21	Chavhan Sachin Ulhas	34	Lecturer in Electronics Engg.	M.E. Electronics	8
	<b>Applied Science Department</b>				
22	Agnihotri Hemant Ramchandra	53	Lecturer in Physics	M.Sc. Physics, D.C.S.	32
23	Dr. Vhankhande Balasaheb Bhimarao	41	Lecturer in Physics	M.Sc. Physics, Ph.D.	20
24	Ms. Dillon Roma Angela Ronald	34	Lecturer in English	M.A. English	9
	<b>Average Age</b>	<b>46</b>		<b>Average Experience</b>	<b>23</b>

### 6.3 Faculty Activity Details:

#### Consultancy work by Civil Department (P.W.) 2017-18

Sr. No.	Name of work & Client	Types of work	Consultancy work (Fee) Rs.	Consultants	Remark
1	Rajapur Water supply scheme, Rajapur Municipal council, Dist. Ratnagiri	Technical Audit & Inspection	15,000	S. N. Kulkarni & K.S. Kadam	Completed
2	Water Supply scheme for Vadgaon, Vadgaon Municipal Council Dist. Kolhapur	Technical Audit & Inspection	1,10,395	S. N. Kulkarni & K.S. Kadam	Partially completed
3	Design for waste water pipe line for KMC -Client M. M. Kanse Contractor Kolhapur	Design	17,250	Dr. V. D. Salkar , S. N. Kulkarni, K. S. Kadam	Completed
4	Waste Water pipe line for KMC by KMC	Technical Advice	14,160	S. N. Kulkarni & K.S. Kadam	Completed
5	Upwale Water tank G. P. Upwale by G. P.	Technical Advice	5,000	S. N. Kulkarni & K.S. Kadam	Completed
6	W/s Scheme for village Jambhulni Dist. Satara - E.E. R.W/S. Z. P. Satara	Technical Audit & Inspection	10,002	S. N. Kulkarni & K.S. Kadam	Partially completed
7	W/s Scheme for four villages Dist. Satara E.E. R.R.W/S Z.P. Satara	Technical Audit & Inspection	1,30,156	S. N. Kulkarni & K.S. Kadam	Partially completed
8	W/s Scheme for Two villages Dist. Satara E.E. R.R. W/s Z.P.	Technical Audit & Inspection	7,60,695	S. N. Kulkarni & K.S. Kadam	Partially completed
9	W/s Scheme for Four villages Dist. Satara E.E. R.R. W/s Z.P.	Technical Audit & Inspection	3,09,199	S. N. Kulkarni & K.S. Kadam	Partially completed
10	W/s Scheme for Eleven villages Dist. Satara E.E. R.R. W/s Z.P.	Technical Audit & Inspection	11,35,000	S. N. Kulkarni & K.S. Kadam	Work is in progress
<b>Total Rs.</b>			<b>25,06,857</b>		

#### Number of co-curricular activities performed

SN	Nature of Activity	Department			
		Civil Engineering	Electrical Engineering	Mechanical Engineering	Industrial Electronics
1	Industrial Visits	11	7	10	4
2	Industry Expert Lectures	6	9	6	6
3	Industry Based Projects	2	1	0	2
4	Learning Resources Development	3	25	10	0
5	Industrial Trainings Deputations	10	74	0	0
6	Faculty Trainings Deputations	5	6	3	5
7	Faculty Trainings Organized	2	1	1	0
8	No. of faculty deputed for/ completed improvement of academic qualification	2	1	4	0
9	Project paper presentation	4	22	4	1
10	Technical Quiz participation	4	14	10	4
11	Career fair	0	1	0	0



SN	Nature of Activity	Department			
		Civil Engineering	Electrical Engineering	Mechanical Engineering	Industrial Electronics
12	Project institute	0	4	0	2
13	Curriculum development	1	4	0	0
14	CEP activities	1	2	3	2
15	Programmes conducted for personality development	3	5	2	12
16	Participation in sports (IDSSA)	19	35	42	4
17	MOUs with for participation in academic development of institute	2	4	4	0
18	Organisation of technical quiz/ seminar/ paper presentation competition events	2	2	4	0
19	Social activities like blood donation camp/ tree plantation etc.	2	3	2	2
20	Industry sponsored final year projects of students	2	1	0	2
21	Application oriented final year projects of students	6	2	16	10
22	Study based final year projects of students	2	5	0	0
23	Vacation training organized for students	40	2	70	20

#### Ph.D. details of Regular WCE Diploma Faculty

SN	Name of Faculty	Name of Guide, Branch	Date of Registration/ University	Title of the Thesis	Completed on
1	Dr. N. G. Apte	Dr. V.N. Bapat, Electrical	JUNE 2006 SUK	Design analysis and implementation of Voltage source inverter based power quality conditioner	Jan. 2014
2	Dr. A.A. Agashe	Smt. Dr. R.S. Patil Electron-	30 June 2006 SUK	Studies on localization algorithms in wireless Networks: A special reference	March 2015
3	Dr. V.V. Sulakhe	Mrs. Dr. S. D. Apte Electron-	01 Jan 2006 SUK	Development of efficient routing protocols for Application specific wireless	April 2016
4	Dr. B.B. Vhankhande	Mrs. Dr. Vijaya Puri-Physics	30 June 2000 SUK	Investigations on the microwave transmission and reflection of polyaniline thin films and it's overlay effects on micro-	July 2007

#### Regular Diploma Faculty Ongoing Ph.D. details

Sr. No.	Name of Faculty	Name of Guide/ Branch	Date of Registration/ Uni.	Title of the Thesis
1	S. M. Pophare	Dr. S. H. Jadhav, Civil Engineering	Feb. 2015 R.I.T., Islampur Shivaji Uni. Kolhapur	Elasto-Plastic Behaviour of doubly curved thin shells
2	B. A. Anuse	Dr. S.P. Chavan, Mechanical Engineering	Feb. 2012 WCE, Sangli Shivaji Uni. Kolhapur	Design and Development of a Bagasse Dryer to Increase Thermal Efficiency of sugar cane Power Plant

**Patent is filed by Dr. N.G. Apte, Electrical Dept.: "A System And Method For Detecting Unbalance Of A Rigid Rotor Using A Dynamic Balancing Machine" Application No.300/MUM/2013/A**

## 6.4 Result Analysis of Diploma Examinations 2017-18:

First Year								
Branch	Total	% 90+	% Dist.	% First	% Second	% ATKT	% Fail	% Pass
Civil Engineering	40	0.00	45.00	47.50	7.50	0.00	0.00	100.00
Mechanical Engineering	64	0.00	53.12	32.81	0.00	6.25	7.82	92.18
Electrical Engineering	61	6.55	63.93	21.31	0.00	11.49	3.27	96.73
Industrial Electronics	40	0.00	30.00	50.00	0.00	5.00	15.00	85.00
<b>Total/%Average</b>	<b>205</b>	<b>1.64</b>	<b>48.01</b>	<b>37.90</b>	<b>1.88</b>	<b>5.69</b>	<b>6.52</b>	<b>93.48</b>
Second Year								
Branch	Total	% 90+	% Dist.	% First	% Second	% ATKT	% Fail	% Pass
Civil Engineering	48	0.00	45.83	29.16	16.61	0.00	8.40	91.60
Mechanical Engineering	74	8.10	55.42	21.62	4.05	5.40	13.51	86.49
Electrical Engineering	75	24.00	61.33	25.33	10.66	2.68	0.00	100.00
Industrial Electronics	45	24.44	46.66	28.88	8.88	11.13	4.45	95.55
<b>Total/%Average</b>	<b>242</b>	<b>14.14</b>	<b>52.31</b>	<b>26.25</b>	<b>10.05</b>	<b>4.80</b>	<b>6.59</b>	<b>93.41</b>
Third Year								
Branch	Total	% 90+	% Dist.	% First	% Second	% ATKT	% Fail	% Pass
Civil Engineering	48	16.66	72.91	22.91	4.18	0.00	0.00	100.00
Mechanical Engineering	68	5.88	63.28	29.41	2.90	0.00	4.41	95.59
Electrical Engineering	72	43.05	81.94	6.95	0.00	0.00	11.11	88.89
Industrial Electronics	35	31.42	74.28	17.14	8.58	0.00	0.00	100.00
<b>Total/%Average</b>	<b>223</b>	<b>24.25</b>	<b>73.10</b>	<b>19.10</b>	<b>3.92</b>	<b>0.00</b>	<b>3.88</b>	<b>96.12</b>

### List of Toppers

Rank	FY		SY		TY	
	Name	% Marks	Name	% Marks	Name	% Marks
<b>Civil Engineering</b>						
1	Chavan Rohit Sambhaji	89.26	Khandekar Priya Sanjay	85.22	Mhetre Snehal Ravasaheb	93.00
2	Bhagat Rohan Rajaram	87.37	Yadav Pratiksha Bharat	81.22	Patil Kedar Bajrang	92.00
3	Zambare Namrata Nandkr	87.05	Kamble Ankita Surendra	81.11	Dubal Adarsh Sahebrao	90.63
4	Kate Shruti Sanjay	86.84	Pise Mahesh Anant	80.22	Dube Aishwarya Dattatray	91.88
5	Jadhav Sakshi Satish	86.53	Pawar Vaishnavi Uddhavrao	79.89	Gaikwad Mayuri Madhukar	91.25
<b>Mechanical Engineering</b>						
1	Bele Rohit Sanjay	86.53	Kadam Sanket Deepak	93.11	Bhosale Chetan Niteen	94.53
2	Kulkarni Mayur Ashok	86.53	Pawar Sonali Hanmant	92.11	Thikane Anushka Balaso	91.35
3	Yamgar Jyoti Harish	86.00	Wangikar Akshay Pramod	92.11	Kaulapure Aarti Dnyandev	91.29
4	Chavan Virajsinh Jitendra	85.47	Mote Abhishek Jalindar	91.67	Shewale Aishwarya Hanmant	90.59
5	Tagali Adarsh Dhareppa	85.47	Sutar Nilesh Rajendra	91.33	Mulay Piyusha Ashok	89.76
<b>Electrical Engineering</b>						
1	Magdum Vijayalaxmi Ramesh	96.25	Kothali Ujma Dilawar	95.53	Shinde Anjana Mukundrao	96.06
2	Dagade Sneha Sharad	93.13	Mujawar Suhana Mohamad	94.82	Chavan Poonam Jagdish	94.55
3	Mali Shubham Rajaram	92.88	Koshti Daneshwari Suresh	94.59	Patil Sonali Narayan	93.76
4	Patil Prajakta Ravindra	92.75	Vishwakarma Achal Nandla	94.24	Sawant Vaibhav Dattatray	93.52
5	Patil Dhanashree Manik	89.63	Patil Rasika Ravindra	93.88	Pawar Snehal Murlidhar	93.33
<b>Industrial Electronics Engineering</b>						
1	Kadam Anushka Bhimrao	86.80	Chadha Keeratkaur Sat	94.38	Kore Shreyasi Sunil	94.94
2	Jamdade Sayali Subhash	86.13	Misal Disha Digambar	94.25	Samudre Priyanka Sanjeevkr	94.71
3	Pawar Sayali Kumar	86.13	Masutage Poonam Abhaykr	93.00	Jadhav Sonali Arjun	94.47
4	Patil Dhanashree Ravind	85.87	Kurane Pradnyasurya M	92.50	Nadaf Riya Salim	94.24
5	Vardhamane Vishal Atul	84.00	Ingale Vaishnavi Moreshwa	92.13	Peerjade Sadiya Shahamohamed	93.65

## 6.5 Co-Curricular and Extra-Curricular Activities of the Students:

Students participated in most of the events at IDESSA and other sports events. Following is the Department wise Summary of the Sports Participation and the performance of students of our institute in IEDSSA – B<sub>2</sub> Zone Diploma Sports for 2017 – 2018:

Sr. No	Sports Boys	Department wise Participation of Students				Total	Remark
		Civil	Mechanical	Electrical	Industrial Electronics		
1	Chess	--	5	--	--	5	Runner Up
2	Carrom	--	3	1	--	4	Runner Up
3	Volley Ball	3	5	2	2	12	Lost
4	Cricket	2	7	6	1	16	Winner
5	Football	2	9	2	2	16	Winner
6	Athletics	--	2	3	2	7	3 Individual Prize.
7	Basket Ball	2	6	2	2	12	Runner Up
8	Badminton	--	3	2	--	5	Winner
	<b>Total</b>	<b>9</b>	<b>40</b>	<b>18</b>	<b>9</b>	<b>76</b>	

Sr. No.	Sports Boys	Department wise Participation of Students				Total	Remark
		Civil	Mechanical	Electrical	Industrial Electronics		
Ladies Tournaments							
1	Chess	11	9	9	12	41	Runner Up
2	Athletics						Shot Put – 1 <sup>st</sup> (Civil) Disc Throw – 2 <sup>nd</sup> (Civil) & 3 <sup>rd</sup> (IE)
3	Volley Ball						Lost
4	Basket Ball						Lost
5	Badminton						Lost
6	Kho Kho						Lost
7	Kabbaddi						Lost
Total		11	9	9	12	41	

- TY Electrical student Mr. Pathak Radheya participated in MSBTE Sponsored Technical Paper Presentation Competition, held at RIT, Islampur and secured First rank along with Certificate, Trophy and Cash Prize in MSBTE Sponsored State Level Technical Paper Presentation Competition.
- Also won Third rank along with Certificate, Trophy and Cash Prize in MSBTE Sponsored State Level Technical Paper Presentation Competition held on at JSPM's RSCOE, Pune
- Electrical Safety week. (11-17 January 2018) organized by Electrical inspector Office, Miraj & MSEB Vishrambag.
- Engineer's Day, Guru Pournima, Teacher's Day, Women's Day, are also celebrated with great enthusiasm.
- Shreyasi S. Kore, Priyanka S. Samudre of TY (IE) got third rank along with Certificate, Trophy and Cash Prize MSBTE Sponsored State Level Technical Paper Presentation Competition held on at JSPM's RSCOE, Pune on 14th Sept. 2017

Following are the External Academic Monitoring committee members visited WCE, Polytechnic Wing on **Friday 10 March 2017** at **9.00 AM**:

Sr. No.	Member Name	Inst. ID	Designation	College Name
1	Hiremath Mrytunjay Shankarayya	0134	Chairman	Dr. D.Y. Patil Pratishthan's Y.B. Patil Polytechnic, Pimpri
2	Moghekar Dilip Vithalrao	0137	Member	Padmashree Dr.D.Y.Patil, Polytechnic, Pimpri
3	Emekar Sunil Prakashrao	0006	Member	Govt Polytechnic, Pune
4	Kakde Ajaykumar Kashinath	0008	Member	Curso Wadia, Pune

**Guest Lectures Delivered by the Faculty:**

SN	Name of Faculty	Place	Subject	Date
1	Dr. Vinayak V. Sulakhe	WCE, Sangli	Guidelines to Parents and Students on First and Second year Polytechnic Centralized Admission Process 2017	23 June 2017
2	Dr. Vinayak V. Sulakhe	WCE, Sangli	Orientation Program on 'I' Scheme for Polytechnics for Semester I & II	27 June 2017
3	Dr. Vinayak V. Sulakhe	Yashwantrao Chavan Polytechnic, Ichalkaranji, Kolhapur	Innovative Teaching Process, Assessment and Evaluation in 'I' Scheme	19 August 2017
4	Dr. Anil A. Agashe	Sanjay Ghodawat Polytechnic, Atigre, Kolhapur	Orientation Program on 'I' Scheme for Polytechnics for Semester III & IV	19 June 2018
5	Mr. Pradeep B. Patil	Shri. Siddeshwar Women's Polytechnic, Solapur	Orientation Program on 'I' Scheme for Polytechnics for Semester III & IV	22 June 2018
6	Dr. Vinayak V. Sulakhe	WCE, Sangli	Orientation Program on 'I' Scheme for Polytechnics for Semester III & IV	22 June 2018
7	Dr. Anil A. Agashe	WCE, Sangli	Orientation Program on 'I' Scheme for Polytechnics for Semester III & IV	22 June 2018
8	Mr. N. N. Kamble	PWD Sangli	Maintenance and Rehab of Structures	06 April 2018

**Guest Lectures Organized**

SN	Name of Speaker	Place	Subject	Date
1	Mr. Arvind Paranjape	Mech. Dept., WCE Sangli	Thermal Engineering	13/07/2017
2	Dr. Dilip Patvardhan	Tilak Hall	Ethics and Moral support for all around development of students	06/09/2018
3	Sachin G. Lokapure	Tilak Hall	Uniqueness of patents as a source of information for project work	7/09/2017
4	Prasanna Kulkarni of Srujan,	Civil Dept., WCE Sangli	Low Cost Housing Date	20/09/2017
5	Dr. Kasture Namdev D.	Mech. Dept., WCE Sangli	Personality Development	30/09/2017
6	Mr. Sanjay Ranade	Mech. Dept., WCE Sangli	Solar Applications	22/02/2018

**Industrial Visits**

SN	Industry	Department	Date
1	Jason Foundry Ltd. MIDC Kupwad	Mechanical	08/05/2017
2	Mahabal Metals Pvt. Ltd. MIDC Miraj	Mechanical	05/08/2017
3	Alpha Industries Pvt. Ltd. MIDC Sangli	Mechanical	18/08/2017
4	Suyash Industries Pvt. Ltd. MIDC Kupwad	Mechanical	01/09/2017
5	SNR Electronics, Bamnoli	Electronics	08/09/2017
6	HEM Electroniques, Miraj	Electronics	08/09/2017
7	S.T. Workshop, Chandanwadi, Sangli	Mechanical	15/09/2017
8	S.T. Workshop, Chandanwadi, Sangli	Mechanical	15/09/2017
9	Bharat Rolling Steels, MIDC Sangli	Mechanical	16/09/2017
10	Hightech Industries PVT. LTD.	Mechanical	16/09/2017
11	Bharat Rolling Steels, MIDC Sangli	Mechanical	16/09/2017
12	Hightech Industries PVT. LTD.	Mechanical	16/09/2017
13	Pudhari, Kolhapur	Electronics	16/09/2017
14	Shree Warana Sahakari Dudh Utpadack Prakriva Sangh Ltd, Kolhapur	Electronics	16/09/2017
15	Radhanagari Power Generation, Kolhapur	Mechanical	16/02/2018
16	Samruddhi Plastics, MIDC Kupwad	Mechanical	07/03/2018
17	Boscho Engg. Pvt. Ltd.	Mechanical	08/03/2018

**Training Programs Attended by Faculty:**

SN	Topic	Venue	Faculty	Duration/Date
1	New seismic codes	RIT, Sakhrate	NN Kamble	3-4 Nov. 2017
2	Bhuvan Overview	NRSC Hyderabad	SV Chikurde	2-3 Nov. 2017
3	GRIHA V 2015	TERI, Navi Mumbai	HP Kulkarni	8-10 Nov. 2017
4	RS based Maps	ISRS- ISRO, Hyderabad (Outreach)	HP Kulkarni	11-Aug-17
5	RS based Maps	ISRS- ISRO, Hyderabad (Outreach)	NN Kamble	11-Aug-17
6	RS based Maps	ISRS- ISRO, Hyderabad (Outreach)	SV Chikurde	11-Aug-17
7	Geospatial Modelling Watershed	NRSC Hyderabad (Outreach)	NN Kamble	1-7 May 2018

**6.6 Other Departmental Activities****A) Department of Civil Engineering**

Title	Av. Area Sqm	Required Area Sqm
Administrative	3261.83	2160
Instructional	17028.26	12960
Amenities	5923.93	4320
Circulation	5973.70	5832
Total area	32187.72	25272

Name of the Laboratory/Workshop	Required Area (Sqm)	Carpet area available (Sqm)
Environmental	66.00	101
Survey	66.00	88.94
Geotechnical	66.00	167.28
Fluid mechanics	66.00	242
Transportation	66.00	215.19
Computer	66.00	81.42
Geology	66.00	121
Material Testing	66.00	80.00
Civil Drawing Hall	132.00	736.06
<b>Total</b>		<b>1820.89</b>

**Industry experts' lectures involved in academic activities of institute during current academic year: - 09**

<b>Dr. Tara Bhavalkar</b> Jeevanvidya Dnyanpeeth, Mumbai	Personality Development Jeevanvidya Dnyanpeeth Mission
<b>Mr. Han Gun</b> International Mind Education Inst , South Korea	Mind Education
<b>Mrs. Sardesai Madam</b>	Awareness on our Defense Services
<b>Dr. Anand Anuse</b> Bharati Medical College , Miraj	Stress Management
<b>Mr. S. D. Hankare</b> M.S. - Germany	Personality & Career Development
<b>Mr Y P Kulkarni, Water Proofing Consultant</b>	Water Proofing
<b>Mr A M Sutar,</b>	Domestic Electrification
<b>Dr Ravindra Tate, Health Officer, SMKC</b>	Solid Waste Management
<b>Mr Abhinandan Bhokare,</b>	Valuation of Properties



**Number of Industrial visits organized during current academic year: - 07**

<b>Railway flyover</b>	<b>Vishrambag, Sangli</b>
<b>Solid Waste Management</b>	Bharati Hospital, Miraj
<b>Basement Construction</b>	RR Patil Const. 100' Rd, Sangli
<b>Water Treatment Plant</b>	Miraj
<b>Forest Eco System Sanctuary</b>	Dajipur
<b>Earthen Dam</b>	Radhanagari Dam
<b>Percolation Tank</b>	Bhose
<b>Study of Railway tracks</b>	Miraj Railway Station

**B) Department of Electrical Engineering**

Laboratory Information			
Sr. No.	Name of Laboratory	No. of Major Equipment	Total cost of Equipment's and Furniture in the laboratory
1	Control Systems Laboratory	13	4429968
2	Electrical Computer Laboratory	19	5315395
3	Electrical Machines Lab	15	690040
4	Electrical Power Systems Laboratory	17	3582239
5	Microprocessor Laboratory	4	142931
6	Electrical Measurement Laboratory	10	263249
7	Power Electronics Laboratory	4	818235
8	Electrical and Electronics Circuit Laboratory	13	4429968
9	Power Quality and Harmonics Lab.	19	5315395
10	Instrumentation and Process Control Lab.	15	690040
11	Basic Electrical Lab.	17	3582239

**Expert Lectures**

SN	Name of Guest	Topic
1	Dr. A.P. Vaidya	Switch gear and protection
2	Prolific systems and technology PVT LTD Pune	Industrial automation
3	A. B. Shikalgar (MSEB)	Effect of electric current on human body
4	Dr. D. G. Pawar (Medical officer)	Health is wealth
5	C.S. Kumbhar (Dy. EE. MSEB)	Electrical safety
6	Sandeep Gaikwad (Fire officer, SMKC, Sangli)	Fire safety
7	P. B. Wagh (Dy. EE. MSEB)	Earthing and its importance
8	Amit Kulkarni	Firefighting and disaster management



- Three days workshop on "Precautions at handling Electrical Supply & Appliances in Laboratory & First Aid " for supporting Staff for class –III & IV was organized by Department of Electrical Engg., W.C.E Sangli Dated on 5<sup>th</sup> -7<sup>th</sup> Jan 2017
- Electrical safety week (11-17 Jan 2017):  
Electrical inspector Office, Miraj  
Hemant Gangurde ,Sanjay Rathod, Abhijeet Rajput, Tahir Bagwan, Dhairyasheel Mali, Raviraj Kumbhar



### Personality Development:

Sr. No.	Speaker	Topic
1	Dr. Tara Bhawalkar	Social safety for Ladies
2	Shri Rajesh Chauhan	Personality Development
3	Mr & Mrs. Han (South Korea)	Healthy Bodies
4	Smt Swati Kotibhaskar	Awareness on our defenses services



### Industrial Visits:

- Hydro Electric Power Plant, Chandoli, Dist. Sangli.
- JSW Thermal Power Plant, Jaygad Dist. , Ratnagiri.
- Sahyadri Starch Ltd, M.I.D.C Miraj.
- 33 KV Sub-Station, Miraj.
- H. V. Testing lab of M.S.E.B, Vishrambag, Sangli.
- Distribution Transformer Sub Station, W.C.E, Sangli



### C) Department of Industrial Electronics Engineering

Sr. No.	Name of Lab.	Major Equip.	Cost in Rs. Lakhs
1	Basic Electronics	12	4
2	Applied Electronics	11	6
3	Communication	16	19
4	Instrumentation And Control	21	9
5	Industrial Electronics	16	6
6	EDA	8	20
7	Microprocessor & Microcontroller Lab	6	10
8	Central Computing Facility	3	10

Sr. No.	Name of Lab.	Major Equip.	Cost in Rs. Lakhs
9	Industrial Drives	13	6
10	Industrial Automation Lab	6	14
11	Embedded System Laboratory	6	12
Availability of equipment for conduct of expts/ jobs as per MSBTE Norms			100 %

### Salient Features

- 1) Six students secured direct admission to SE at Govt. College of Engg. Pune.
- 2) Six students secured direct admission to SE at Walchand College of Engg.
- 3) One student secured direct admission to SE at V.J.T.I. Mumbai
- 4) Two MODROBS proposals worth rupees 24 lakhs successfully completed .
- 5) Twenty-one students from TY-DIE class scored above 90% in 5th semester.
- 6) Forty-one out of Forty-four students got distinction in 5th semester.
- 7) Highest percentage for Sem-5 is 95.33% in IE5G.
- 8) Four students secured more than 95% marks in IE5G.
- 9) Established of Industrial Automation and Embedded system laboratory.
- 10) VVS worked as expert reviewer of Lab manual for Industrial Drive.
- 11) PBP, NSN, SUC worked for model answers of MSBTE W-2014 exam.
- 12) Classrooms and laboratories are refurbished recently.
- 13) All faculty members are actively involved in all MSBTE/DTE activities.
- 14) 5 staff members worked as question paper setter/ moderator work.

### D) Department of Mechanical Engineering

Sr. No.	Name of Laboratory	No of Major Equipment's	Total cost of Equipment's and Furniture in the laboratory
1	Power Engineering	10	1169065
2	Thermal Engineering	14	1928619
3	Industrial Fluid Power	9	214360
4	Hydraulic Machines	7	163014
5	Theory Of Machines	9	97700
6	Measurement And Control	10	107276
7	Metrology And Quality Control	15	2374896
8	CAD/CAM	5	905278
9	Refrigeration And Air Conditioning	12	877950
10	Foundry Shop	7	426261
11	Tin Smithy	9	116225
12	Machine Shop And Turning Shop	10	995174
13	Production, Tooling And CNC Machine Shop	18	6914910
14	Black Smithy	7	24351
15	Carpentry	10	32731
16	Fitting And Plumbing	6	38767
17	Welding Shop	11	181645
18	Automobile Engineering	10	388500





Industrial visit to BOSCHO Engg. Pvt. Ltd.



Ethics and Moral support for all around development of students" of Dr. Dilip Patvardhan on Wednesday, 6<sup>th</sup> Sept. 2017 at 11.00 - 12.00 noon.



Expert lecture on "Uniqueness of patents as a source of information for project work" of Sachin G. Lokapure on Thursday, 7<sup>th</sup> Sept. 2017 at 10.15 to 12.30 pm



The I scheme Orientation Program for 3rd and 4th semesters held at Walchand College of Engineering, Sangli (Instt. Code 0009) on 22<sup>nd</sup> June 2018 between 10.00 am to 5.15 pm. Principals from 22 polytechnics and their HoDs (about 102) attended this I Scheme Orientation Program.

### Induction Program for Diploma Students:





# महाराष्ट्र राज्य तंत्र शिक्षण मंडळ, मुंबई

(स्वायत्त) (ISO: ९००१:२००८) (ISO/IES: २७००१-२००५)

शासकीय तंत्रनिकेतन इमारत, चौथा मजला, ४९, खेरवाडी, बांद्रा (पूर्व), मुंबई - ४०० ०५१.

दूरध्वनी क्र.: २६४७१२५५ (का.) / २६४७ ०९१६ (वै.)

Email : [director@msbte.com](mailto:director@msbte.com)

फॅक्स ९१-०२२-२६४७३९८०

Web : [www.msbte.com](http://www.msbte.com)

जा.क्र.मरातेशिमं/का-53/का. दा./2016-17/7377

दिनांक: 20/06/2017

प्रती,

अध्यक्ष / सचिव,

Walchand College Of Engineering,

WALCHAND COLLEGE OF ENGINEERING, VISHRAMBAG, SANGLI-416415 (MAHARASHTRA) INDIA

(संस्था क्रमांक - 0009)

विषय :- शैक्षणिक अवेक्षण अहवाल 2016-17 मधील आपल्या संस्थेच्या Excellent शैक्षणिक कामगिरी बाबत.

उपरोक्त विषयानुसार म.रा. तंत्र शिक्षण मंडळ अधिनियम 1997, क्र. 38 मधील कलम 31 अंतर्गत दिलेल्या अधिकाराचा वापर करून मंडळाने आपल्या संस्थेचे शैक्षणिक वर्ष 2016-17 दरम्यान शैक्षणिक अवेक्षण केले शैक्षणिक अवेक्षण अहवाला मध्ये आपल्या संस्थेच्या शैक्षणिक कामगिरीचा दर्जा खालील तक्त्यामध्ये दर्शविलेला आहे.

अ. क्र.	अभ्यासक्रमाचे नाव	शैक्षणिक अवेक्षण अहवालामधील नमुद असलेला दर्जा
1	Civil Engineering	Excellent
2	Electrical Engineering	Excellent
3	Industrial Electronics	Excellent
4	Mechanical Engineering	Excellent

शैक्षणिक कामगिरीचा दर्जा Excellent असल्याने मंडळ आपल्या संस्थेचे अभिनंदन करीत आहे. तसेच मंडळाने आपल्या संस्थेच्या काही विशिष्ट कमतरता संस्थेच्या Monitoring Login मध्ये दर्शविलेल्या आहेत. त्यामध्ये लक्ष घालून त्या दूर कराल याची मंडळाला खात्री आहे. आपल्या संस्थेची शैक्षणिक कामगिरी भविष्यात अशीच वाढत जावो हीच मंडळाची अपेक्षा आहे.

(डॉ. अभय वाघ)

संचालक

महाराष्ट्र राज्य तंत्र शिक्षण मंडळ,

मुंबई-५१

प्रत :-

- उपसचिव, म. रा. तंत्र शिक्षण मंडळ, विभागीय कार्यालय पुणे, नागपूर, औरंगाबाद व मुंबई यांना माहिती व आवश्यक कार्यवाहीसाठी.
- प्राचार्य, मंडळाशी संलग्न संस्था.



Glimpses of DIPEX Technical Exhibition organized by ABVP in association with Walchand College of Engineering, Sangli exhibiting innovativeness in students through project exhibition prize distribution at the hands of AICTE chairman and visited by eminent industrialists and dignitaries.



Glimpses of SANGLI FIRST mega event held at Walchand College of Engineering, Sangli and visited by eminent industrialists and dignitaries.





## Man Power Development



**Building Supervisor**



**Mobile Repairing at Jat**



**Ladies Tailor Course at Bamnoli**

## Awareness Programmes



**Solar Energy Camp at Sangli**



**Sarai cooker information at Miraj**

## Technical and Support Service



**Survey, Design & Supervision for Small concrete Dams At Benapur – Agrani River rejuvenation project.**



**Recharge of well at Gomewadi**

### Vision

To produce capable graduate engineers with an aptitude for research and leadership.

### Mission

- To impart quality education through demanding academic programs.
- To enhance career opportunities for students through exposure to industry.
- To promote excellence by encouraging creativity, critical thinking and discipline.
- To inculcate sensitivity toward society and a respect for the environment.

### Objective

- Achieve excellence in learning and research through continual improvement in both content and delivery of the academic programs.
- Promote close interaction among industry, faculty and students to enrich the learning process and enhance career opportunities for students.
- Develop state-of-the-art laboratories and other infrastructure commensurate with the need of delivering quality education and research services.
- Strengthen the Institution through network of alumni and optimize use of resources by leveraging inter-departmental capabilities.
- Provide opportunities and ensure regular skill up-gradation of faculty and staff through structured training programs.

### Quality Policy

To strive for excellence in academic and research programs in order to achieve proficiency in students by adopting continually improving standards to the learning process.

### Our Inspiration



**Shri. Ajit Gulabchand**  
**Chairman, Administrative Council**

### Address

**Walchand College of Engineering**  
**Vishrambag, Sangli - 416 415.**  
**Office: Phone (0233) 2300383,**  
**Fax: (0233) 2300831.**

Visit us to: [www.walchandsangli.ac.in](http://www.walchandsangli.ac.in)

E-mail: [director@walchandsangli.ac.in](mailto:director@walchandsangli.ac.in)

