

Established in 1947

Walchand College of Engineering

(Government Aided Autonomous Institute)

Our Strengths:

- 75+ Years of Excellent Standing and Imparting Quality Education at PW, UG/PG and Doctoral Research
- Dynamic Curricula , Autonomous Since 2007
- Placement and Student Activities
- Visionary Leadership
- High Performance Ranking Under TEQIP over National Level
- Best Governance Practices
- Dedicated Faculty with Research Aptitude
- Highly Preferred Choice of Meritorious Students over Maharashtra
- State of Art Infrastructure
- Strong Liaison with the Outside World
- Network of Successful Alumni Spread over the World
- Accreditation by NAAC and NBA
- Industry Connect
- Alumni Occupying Higher Position in Industry



ANNUAL REPORT 2022-23

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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. It is one of the oldest Engineering colleges in the state of Maharashtra with 90 acres of land. The college now imparts education for AICTE recognized / approved diploma, degree, post graduate and Ph.D. courses in engineering. It was only Research Center in engineering till 2004.

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 partner with 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 – Late Shri **Dhondumama Sathe** Established **New Engineering College, Sangli**

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

1971 – **First** in Shivaji University, Kolhapur (SUK) area to start **PG programs**

1977 – **Government of Maharashtra** conferred **90% Grant in Aid**

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

2007 -- Recognized for **TEQIP Phase –I**. College became **Autonomous** (**1st** college in SUK area).

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

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

2016 – NAAC Accreditation: ‘A’ Grade. Selected for TIFAC Funding from RGSTC.

2017 -- Recognized for **TEQIP Phase-III** with Jabalpur College of Engineering, Jabalpur as Partner Institute

Chairman's Profile

Mr. Ajit Gulabchand, Chairman 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 was honoured with the 'Infrastructure Leader of the Year' Award from CNBC TV18.

Prior to Mr. Gulabchand, following dignitaries have served as the chairman of Administrative Council.

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

Directors Message

Walchand College of Engineering (WCE) is a premier engineering institute in India with a rich history of academic excellence. Founded in 1947, WCE has consistently produced world-class engineers who have made significant contributions to the development of the country and the world.

WCE is committed to providing its students with a high-quality education that meets the demands of the 21st century. The institute has state-of-the-art laboratories and facilities, and its faculty members are highly qualified and experienced. WCE also has strong industry partnerships, which provide its students with valuable opportunities for hands-on learning.

In addition to its technical education, WCE also emphasizes the importance of character development and ethical leadership. The institute's students are encouraged to participate in a variety of extracurricular and co-curricular activities, such as sports, cultural events, and social service projects. This helps them to develop the skills and qualities they need to be successful in their careers and in life.

WCE is a vibrant and dynamic institution that is committed to excellence in engineering education. The institute is proud of its long history of producing world-class engineers, and it is confident that its graduates will continue to make significant contributions to the world in the years to come under the guidance of the Hon. Ajit Gulabchand, Chairman of the Administrative Council.



Prof. Dr. U. A. Dabade

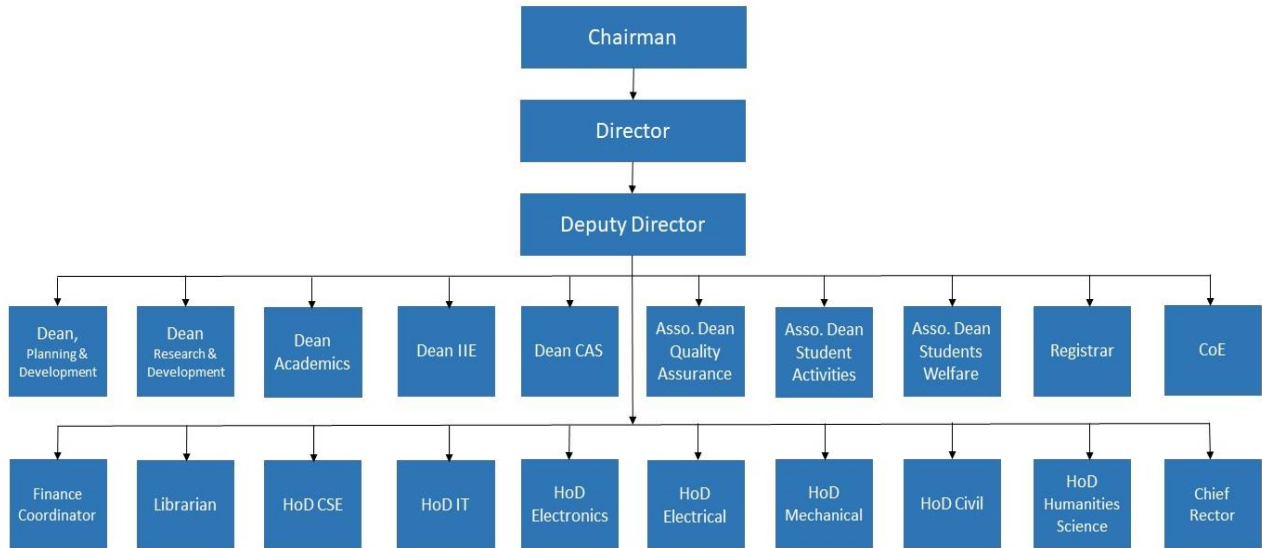
Principals at WCE Sangli Before Autonomy			
SN	Name	From	To
1	Prof. G.N. Gokhale	1947	1948
2	Prof. K.V. Kardile	1948	1949
3	Prof. C.G. Kale	1949	1951
4	Prof. G.R. Vartak	1951	1955
5	Prof. V.K. Kelkar	1955	1967
6	Prof. G.C. Kanitkar	1967	1975
7	Prof. S.D. Pathak	1975	1979
8	Prof. P.A. Kulkarni	1979	1997
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	25-Feb-2029
6	Dr. P. G. Sonavane (I/c)	26-Feb-2019	12-Feb-2020
7	Dr. P. H. Sawant	13-Feb-2020	28-Jul-2022
8	Dr. P. G. Sonavane (I/c)	29-Jul-2022	10-Mar-2023
9	Dr. U. A. Dabade (I/c)	11-Mar-2023	Till Date

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
 - SU, Kolhapur Nominee
 - GOM Nominee
 - Two Teaching Faculty
 - Director of the institute (Member Secretary)
 - Frequency of Meetings of AC : 4 times in a year

The names of present **Administrative Council** members are given below:

1	Mr. Ajit Gulabchand, Chairman, HCC, Mumbai	Chairman
2	Mr. Sanjay kaka Patil, MP, Sangli	Member, Trust Nominee
3	Dr. V.N. Gupchup, Ex. Principal, VJTI, Mumbai	Member, Trust Nominee
4	Mr. C.N. Gandhi, Industrialist, Pune	Member, Trust Nominee
5	Mr. Amol Chavan, HCC, Mumbai	Member, Trust Nominee
6	Dr. Ajeeth Singh, WRO, AICTE, Mumbai	AICTE Ex-Officio, Member
7	Dr. Manoj Kumar Tiwari	AICTE Nominee
8	Dr. V. M. Mohitkar	DTE, Ex-Officio, Member
9	Dr. D. V. Jadhav, Jt. Director, Ro, Pune	State Govt Nominee
10	Dr. Aravind Balan, IISC Bangalore	UGC Nominee
11	Prof. U. A. Dabade, Dy. Director	Faculty representative
12	Prof. S. N. Tande, Professor, APM, WCE, Sangli	Faculty representative
13	Mrs. Shalaka Gulabchand Dhavan	Management Invitee
14	Prof. U. A. Dabade, I/C Director	Member Secretary

The Administrative Council (AC) meetings are held regularly four times in a Year. The dates of all AC and Review meetings during the next two years are decided in advance by the management, are known to all in advance, and are followed scrupulously. The AC meetings were held in 2022-23 on following dates:

SN	Meeting No.	Date	Location	Attendance
1	238	12/07/2022	Hotel Oberoi, Mumbai	7
2	239	23/11/2022	Online Mode	10
3	240	13/12/2022	Hotel Oberoi, Mumbai	9
4	241	27/02/2023	Hotel Oberoi, Mumbai	9
5	242	30/05/2023	Hotel Oberoi, Mumbai	6

The next Important Committee is **College Development Committee**: to support and guide the Institute locally. The names of present **College Development Committee** are given below:

Constitution by post	Function
<p><u>Chairman:</u> Shri. Shriniwas Patil</p> <p><u>Members:</u> Shri Amol Chavan Shri Suresh A. Patil Shri Sachin R. Menon Dr. Smt. Sushma S. Kulkarni Shri Vasant R. Manwadkar Dr. Guru R. Munavalli Dr. Anant K. Kokane</p> <p><u>Elected faculty & Staff Members:</u> Dr. Sunil G. Tamhankar Shri Pravin A. Mane Shri Sanjivkumar S. Kulkarni, Non-teaching staff</p> <p><u>Students Representative</u> Miss. Akansha Sonaje Shri Abhishek Kamble</p> <p><u>Member Secretary</u> Prof. Dr. Uday A. Dabade, I/C Director</p>	<ul style="list-style-type: none"> - To recommend to the higher authorities the schemes for better functioning and governance of the college - To prepare & recommend, financial budget of the college for approval from higher authorities - To recommend, filling of teaching and non-teaching positions to higher authorities - Frequency of meeting: Twice a year

The details of meetings held during 2022-23 are as follows:

SN	Meeting No.	Date	Location	Attendance
1	5 th	05/08/2022	WCE, Sangli	15
2	6 th	10/02/2023	WCE, Sangli	17
3	7 th	25/05/2023	WCE, Sangli	13

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 20th November 1956 and amended by AC on 9th July 1971 and on September 1977 three important other committees formed are Finance Committee, Building Committee, Equipment Committee and HR Development Committee which were approved by the Administrative Council in the Meeting No. 240 Dated. 13th December 2012. The sub-committees are as follows:

1. Finance Committee	
1. Chairman of the Council	Shri Ajit Gulabchand
2. DTE or his nominee	Dr. Vinod M. Mohitkar
3. RO- AICTE or his nominee	Dr. Ajeet Singh
4. Nominee of MTES	Shri. Shri Chakor Gandhi
5. Member	Shri Deepakbaba Shinde
6. Member	Shri Amol Chavan
7. Member Secretary	Director
2. Building Committee	
1. Chairman of the Council	Shri Ajit Gulabchand
2. DTE or his nominee	Dr. Vinod M. Mohitkar
3. RO- AICTE or his nominee	Dr. Ajeet Singh
4. Exec. Engineer, PWD, Sangli	Shri Krantikumar Mirajkar
5. Outside Expert Member	Dr. V. N. Gupchup
6. Member	Shri. Amol Chavan
7. Head, Civil Engineering Dept.	Ex-Officio
8. Head, Applied Mechanics Dept.	Ex-Officio
9. Member Secretary	Director
3. Equipment and Purchase Committee	
1. Chairman of the Council	Shri Ajit Gulabchand
2. DTE or his nominee	Dr. Vinod M. Mohitkar
3. RO- AICTE or his nominee	Dr. Ajeet Singh
4. HOD of concerned Dept.	Civil/Mech/Elec/Eln/CSE/IT
5. Member	Shri Amol Chavan
6. Member Secretary	Director
4. HR Development Committee	
1. Chairman of the Council or his nominee	Shri Ajit Gulabchand / Dr. V. N. Gupchup
2. DTE or his nominee	Dr. Vinod M. Mohitkar
3. RO- AICTE or his nominee	Dr. Ajeet Singh
4. HR Expert	Mr Aniruddha Singh
5. Member	Shri Amol Chavan
6. Member	Awaited
7. Member Secretary	Director

Key Functionaries at the Institute level:

Prof. Dr. U. A. Dabade	In-charge Director and Deputy Director
Prof. S. N. Tande	Dean, Planning & Development
Dr. Smt. A. A. Agashe	Dean, Research & Development
Dr. Smt. S. P. Sonavane	Dean, Academics
Dr. S. G. Tamhankar	Finance Coordinator
Dr. B. F. Momin	Dean Innovation, Incubation, and Entrepreneurship
Shri S. B. Dhaigude	Dean Corporate Relations, Alumni and Student Careers and TPO
Dr. S. N. Tande	HoD, Applied Mechanics
Dr. G. R. Munavalli	HoD, Civil
Dr. S. U. Sapkal	HoD, Mechanical
Dr. D. S. More	HoD, Electrical
Dr. S. D. Ruikar	HoD, Electronics
Dr. Smt. M. A. Shah	HoD, CSE
Dr. R. R. Rathod	HoD, Info Tech
Prof. K. V. Madhale	F.Y. Coordinator
Shri A. V. Kamble	Vice-Principal, Polytechnic Wing
Dr. S. B. Kadam	Registrar
Dr. P. K. Kharat	Controller of Examination
Dr. A. R. Surve	Asso. Dean-Student Activities
Dr. M. M. Khot	Asso. Dean-Students Welfare
Dr. A. K. Kokane	Asso. Dean-Quality Assurance
Shri K. V. Madhale	FY Co-ordinator
Dr. B. N. Jamadar	Chief Rector
Shri M. K. Chavan	In-charge WIC
Shri S. B. Agawane	In-charge Librarian
Shri A. N. Paliwal	Administrative Officer

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 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
- College Development Committee (CDC) acts as bridge between management and institute.

Other Institute Level Committees:

Institute Related Committees	Direct Student Related Committees
<ul style="list-style-type: none"> ▪ Academic Committees: <ul style="list-style-type: none"> - Academic Council - Academic Standing Committee - Board of examinations ▪ Purchase Committee ▪ Building and Works Committee ▪ Library Committee ▪ Campus Coordination Committee ▪ Admission ▪ TEQIP Implementation Unit ▪ Internal Quality Assurance Cell (IQAC) ▪ Innovation, Incubation, and Entrepreneurship Cell (IIE) ▪ Corporate Relations, Alumni and Student Careers Cell (CAS) ▪ Student Development Cell 	<ul style="list-style-type: none"> - Gymkhana - Hostel - Canteen - Training and Placement - Discipline - Grievance - Anti-Ragging

Academic Council (Apex Academic Body)

Constitution	Function
<p>Chairman: Director</p> <p>Member Secretary: Dean Academics</p> <p>Members:</p> <ul style="list-style-type: none"> • All HODs • All Professors • Four Associate Professors • One expert each from industry, education, Law • Nominees of SUK 	<ul style="list-style-type: none"> • 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 2022-23

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
Total First-Year-Intake*			200

* 10% 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
1	Civil Engineering	1947	60	2003-08 (5)	2016-22 (6)	--
2	Mechanical Engineering	1955	60	2003-06 (3)	2007-12 (5)	2016-22 (6)
3	Electrical Engineering	1955	60	2003-06 (3)	2007-12 (5)	2016-22 (6)
4	Electronics Engineering	1986	60	2003-06 (3)	2007-12 (5)	2016-22 (6)
5	Computer Science Engineering	1986 2000	60 90	2003-06 (3)	2007-10 (3)	2013-15 (2)
6	Information Technology	2001	60	2016-22 (6)	--	--
Total First Year Intake			390 + TFWS 20 + NRI 39 + Gulf 19 (= 468) + DSY 78			

* 10% Lateral Entry at Second Year

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)	--
2	Civil-Structural Engineering	1971	30	2012-15 (3)	2016-21 (5)
3	Mechanical-Production Engineering	1995	30	2013-16 (3)	--
4	Mechanical -Design Engineering	1971	30	2012-15 (3)	2016-18 (2)
5	Mechanical -Heat Power Engineering	1971	18	--	--
6	Electrical-Control Systems	1971	18	2012-15 (3)	2016-18 (2)
7	Electrical-Power Systems	1971	18	--	--
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			240		

Admissions Details of AY 2022-23:

Admissions to the four-year B. Tech. for the academic year 2022-23 were made along with the other autonomous institutions in the state based on IIT-JEE. Admissions to two-year M.Tech. Programs were based on the GATE and CET score followed by personal interview. Department wise and category wise admission details are as under:

First Year B.Tech. Admission Maharashtra State Rank and Minimum Cut-off marks at WCE of AY 2022-23 (GOPENS):

SN	Branch	Mechanical	Electrical	Civil	IT	ELECTRONICS	CSE
1	COE Pune	306 99.76	791 99.46	328 99.74	--	--	3 100.00
2	VJTI Mumbai	587 99.58	1210 99.21	1555 99.02	149 99.87	720 99.50	4 100.00
3	SP Mumbai	2242 98.65	2995 98.23	813 99.44	--	--	--
4	WCE Sangli	3234 98.12	4059 97.69	5284 97.04	1317 99.15	1948 98.80	399 99.69
5	GCOE Aurangabad	20273 89.08	9366 94.90	9970 94.56	6929 96.17	--	2083 98.74
6	GCOE Amaravati	13192 92.86	18503 90.00	30881 83.31	7891 95.67	--	2956 98.28
7	SGGS Nanded	15317 91.76	20377 89.05	18032 90.29	2507 98.51	--	3173 98.15
8	GCOE Karad	7430 95.92	14315 92.24	22631 87.88	1557 99.02	--	--

* If we refer Cut-off Marks at top 8 Engineering Institutes in Maharashtra, WCE Sangli Ranked 4th after COE Pune, VJTI and SP, Mumbai in 2022-23.

PG Admissions at WCE, Sangli for 2022-23

SN	Branch	Intake	Filled	GATE
1	Civil-Environmental	18	11	00
2	Civil-Structural	30	33	06
3	Mechanical-Design	30	05	00
4	Mechanical-Heat Power	18	02	00
5	Mechanical-Production	30	00	00
6	Electrical-Power Systems	18	01	00
7	Electrical-Control Systems	18	01	00
8	Electronics	30	02	00
9	Computer Science Engineering	30	04	00
10	Information Technology	18	00	00
	Total	240	59	06

First Year UG & PG Admission Details:

All admission seats got filled with very high cut-off marks as shown in the following tables, with overall 31.40 % girls at UG level and 33.77% reserve category students while the percentage girls at PG is 25.42% with overall 25 % students from reserved category.

Admission Details of UG 2022-23			
Branch	Male	Female	Total
Civil	42	28	70
Mechanical	52	15	67
Electrical	40	26	66
Electronics	43	24	67
CSE	83	27	110
IT	48	21	69
Total	308	141	449
Percentage	68.59	31.40	99.99
R. Category	151	77	228
Percentage	66.22	33.77	99.99

Admission Details of PG 2022-23			
Branch-Specialization	Male	Female	Total
Civil-Environmental	9	2	11
Civil-Structural	27	6	33
Mechanical-Heat Power	01	01	02
Mechanical-Production	00	00	00
Mechanical-Design	04	01	05
Electrical-Power System	00	01	01
Electrical-Control System	00	01	01
Electronics	01	01	02
CSE	02	02	04
CSE - IT	00	00	00
Total	44	15	59
Percentage	74.57	25.42	99.99
Reserved Category	21	07	28
Percentage	75	25	100

Year wise Total Strength of Students:

Branches	2019-20			2020-21			2021-22			2022-23		
	UG	PG	PhD	UG	PG	PhD	UG	PG	PhD	UG	PG	PhD
Civil	72	49		75	52		69	49		70	44	
Mechanical	71	61		73	50		68	17		67	7	
Electrical	70	24		68	32		70	5		66	2	
Electronics	70	17		67	7		67	6		67	2	
CSE	111	19		108	11		115	6		110	4	
IT	71	0		74	4		67	0		69	0	
Total	465	172		465	156		456	83		449	59	

Analysis of UG Students (Gender and Category-wise)

Branch	2019-20			2020-21			2021-22			2022-23		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Civil	51	21	72	55	20	75	50	19	69	42	28	70
Mechanical	53	18	71	57	16	73	50	18	68	52	15	67
Electrical	48	22	70	45	23	68	46	24	70	40	26	66
Electronics	44	26	70	47	20	67	47	20	67	43	24	67
Computer	80	31	111	77	31	108	77	38	115	83	27	110
Info. Tech.	51	20	71	55	19	74	49	18	67	48	21	69
Total	327	138	465	336	129	465	319	137	456	308	141	449
Percentage	70.32	29.67	100	72.25	27.74	100	69.95	30.04	100	68.59	31.40	99.99
Reserved Category	148	69	217	129	52	181	147	67	214	151	77	228
Percentage	68.20	31.79	100	71.27	28.72	100	68.69	31.30	100	66.22	33.77	99.99

Percentage of **female students** is consistently **increasing** (Diversity); currently it is **31%** with **50%** in reserved **category**.

Analysis of PG Students Admitted

Year	Intake	Admitted		GATE Qualified	
		Male	Female	Male	Female
2018-19	240	140	75	98	18
2019-20	240	114	58	65	5
2020-21	240	100	56	35	16
2021-22	240	49	34	8	2
2022-23	240	44	15	04	02

Dept.	Program	Current Intake	Students	Students	Students	Students
	M. Tech.	PG	2019-20	2020-21	2021-22	2022-23
Civil	Environmental Engineering	18	17	20	16	11
	Structural Engineering	30	32	321	33	33
Mechanical	Design Engineering	30	30	32	16	05
	Heat and Power	18	11	08	00	02
	Production Engineering	30	20	10	01	00
Electrical	Power Systems	18	13	17	05	01
	Control Systems	18	11	15	00	01
Electronics	Electronics	30	17	07	06	02
CSE	Computer Science and Engineering	30	19	11	06	04
IT	Information Technology	18	00	04	00	00
Total		240	172	156	83	59

Organization and Governance

Academic Practices

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

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. (Once in a year).

1.3 Faculty (Regular & Contractual), Faculty-Student Ratio, Staff Strength for UG in 2022-23:

	Sanctioned	Regular	Ad-hoc	Total
Degree Faculty				
Professor	7+1 (Director)	07	01	08
Associate Prof.	19	22	06	28
Assistant Prof.	63	34	46	80
Total Faculty	90	63	53	116
Diploma Faculty				
Vice Principal	01	0	0	0
HOD	04	01	0	01
Lecturer	35	21	0	21
TPO	01	0	0	0
Total Faculty	41	22	0	22
Non-Teaching Staff				
Technical	64	36	03	39
Class IV	91	37	14	51
Administrative	47	27	28	55
Total Staff	202	100	45	145+41*+24#

* College and Hostel Housekeeping Staff , # Security Staff

Faculty (Cadre)
Faculty position: 2022-23

Positions	Teaching Faculty						Non-teaching Staff		Technical	
	Professor		Associate Professor		Assistant Professor		M	F	M	F
	M	F	M	F	M	F				
Sanctioned posts	7+1 (Director)		19		63		138		64	
Recruited (Regular + Contractual)	06	02	23	05	56	24	58	06	34	02
Total	8		28		80		64		36	

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

1.4 Faculty qualifications:

Faculty Qualification Regular Faculty position: 2022-23

	PhD			PG+UG			Total			Total
	P	AsP	AP	P	AsP	AP	P	AsP	AP	
Civil	03	02	04	0	02	0	03	04	04	11
Mech	02	02	03	0	0	06	02	02	09	13
Elec	0	01	02	0	02	04	0	03	06	09
EIn	01	04	01	0	03	01	01	07	02	10
CSE	0	01	03	0	0	01	0	01	04	05
IT	01	01	04	0	0	02	01	01	06	08
PCM	0	02	01	0	02	02	0	04	03	07
Total	07	13	18	0	09	16	07	22	34	63
Total	38			28			63			

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 about 75 meters distance)
- Bank (Services are extended during admissions)
- Faculty residences and staff quarters

Ajit Gulabchand Central Library

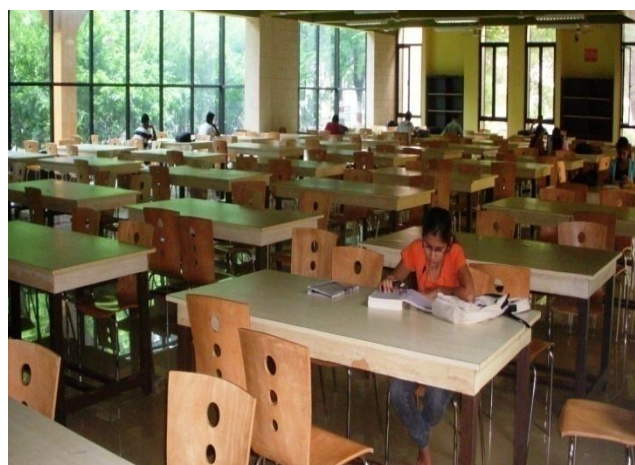
- **State of art Building** with excellent ambience
- **Enough** Reading and stacking space
- **Rich collection** of print and digital material
- **Rich collection** of bound volumes of periodical [first issue 1919]
- **Rich book bank Scheme**
- Round the clock **study room** and **digital library**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

Ajit Gulabchand Central Library Collection

S.N.	Title	Quantity
1.	Books	108068 = Print Book Volumes (including 56592 Books for Home Issue, 38412 Book Banks & 13064 Bound Volume)
2.	Print journals and Magazines	124
3.	E- Journals and E-books	275 =E-journals (including 213 IEEE, 33 ASME, 36 ASCE) 6000 & 2851 E-Books
4.	Total No. of PG Dissertations	2723
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-3474 & DVD-629 = 4103



Ajit Gulabchand Central Library



Reading Room



Library Internal view

As the institute is 70-year-old many institute facilities such as class rooms, hostels, laboratories, Internal Roads, Sport Facilities needed renovation to improve the Infrastructure.

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.8.6 Crores 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. 12.5 Crores** (2012-16) of Funding to develop the PG and Research infrastructure. The Institute utilized **Rs. 5.68 Crores** of funds to purchase the research equipment. Some of the major equipment purchased during this period are as follows:



Zeta Meter, USA (Rs.17.5 Lacs)



Total Station (Rs.3.7 Lacs)

Advanced Manufacturing (AML)/CNC Lab



Total Investment Rs. 1.23 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



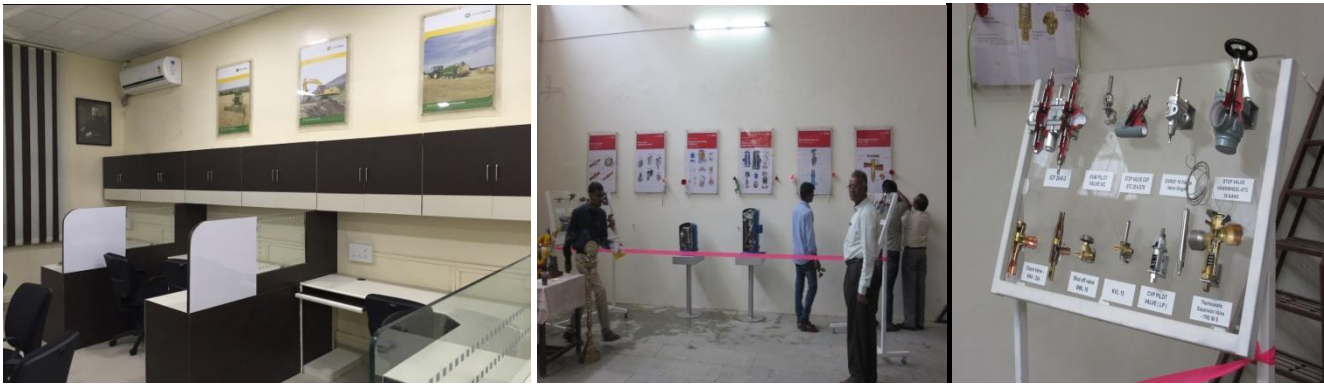
Micro Machining Centre: Rs. 32.36 L



Vector Controlled Induction Motor Drives: Rs 4.25 L



Gas Chromatograph Rs. 10 L



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. Photographs 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. 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 Wooden **Badminton Court** (Vartak Hall) and fully equipped **Gymnasium**



Carrom and Table Tennis

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





Jogging Track and Large Cricket, Hockey and Football Ground



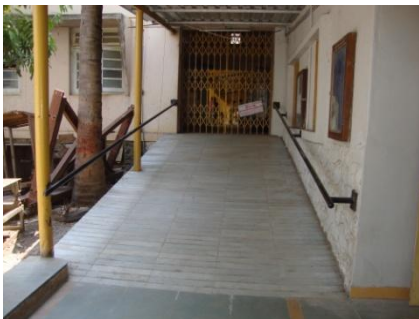
Basket Ball, Kho-Kho facility



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

1.7 Facilities for person with disabilities (PWD):

At Walchand College of Engineering Sangli, a few students are with disabilities. Most of the Classrooms and Laboratories are on the Ground Floor, for which ramps are provided at places such as Library, Quadrangle, Main Administrative Buildings, etc. The photographs of these Ramps are given below:



Ramp in **Quadrangle-Civil Dept** Ramp in **Main Building** Ramp in **Main Building Entrance**



Ramp facility at the right side of the Central Ajit Gulabchand Library

The Administrative Office and a few Laboratories of IT and Electronics Department are on the First Floor. It is planned to provide 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: Doctor is appointed for campus Dispensary. Regular general checkup of all students is carried out in the dispensary. **Hostels:** Total 8 Hostels with capacity of 600 boys and 550 girls.



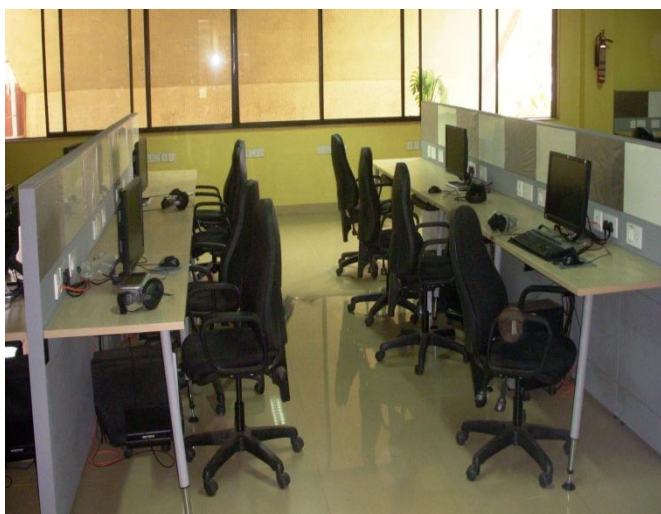
Renovated **Girls Mess** with capacity of 250 and **Canteen** with at time capacity of 60 students and 25 faculty provides subsidized food



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



Statue of Goddess of knowledge Mata Saraswati in front of Central AGC Library and lush Green Campus

2. RESEARCH, PROFESSIONAL PRACTICE & COLLABORATIVE PERFORMANCE

Promotion of Research

Research Committee

- Review of Ph. D. progress (twice a year)
- Phase wise progress: Department level (HOD, Chairman)
- Pre-submission seminar: Institute level(Chairman: Director, Member Secretary : Dean R&D, External Faculty)
- Review of funded research projects (once a year)
- Once a year: Institute level (Chairman: Dean R and D)

Research Culture

- Deputation under QIP and CTS
- Financial support for tuition fees for part time Ph.D. candidates
- Financial support for registration fees and inland /abroad travel for paper presentation at conferences
- QIP minor research center
- Registration fees for filing patents.
- Encouragement for applying for research proposals and publishing papers.
- Provision of 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

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

Electrical Engineering

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

Electronics Engineering

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

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

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

Department	No. of Papers	Books
Civil	11	--
Mechanical	47	--
Electrical	21	02
Electronics	07	--
Comp. Science	06	--
Info. Technology	05	01
General Science	07	--
Total	104	03

Details of Research Papers:

SN	Type of Publication	Title of Paper	Names of Authors	Journal / Conference Details	Date of Publication
Civil Engineering Department					
1	International Journal	FIS-based approach to estimate probable flows for sizing pipes in building water supply systems,	Dr. K.S. Gumaste and Mr. Rohit Mangalekar	Urban Water Journal, 2023, Vol.20 , Issue 2, pp 193-204, Published Online: 2022-12-28,	07 Feb. 2023
2	International Journal	Constructed wetland for wastewater treatment: A review	Dr. G.R. Munavalli	55 th Annual Convention 2023, Indian Water Works Association (IWWA), Organized by IWWA Pune Centre, Proceedings, Page 90	20-22 Jan. 2023
3	International Journal	Comparative study on the behavior of conventional and pre-engineered buildings provided with different types of bracing	Bharmal, P.P., Kumbhar, P.D. & Gumaste, K.S.	Asian J Civ Eng (2023). https://doi.org/10.1007/s42107-023-00787-y , Springer, 4.7.2023	4 July 2023
4	International Conference	Sizing Pipes in Building Water Supply Systems for a 10 Storey Residential Building using FIS based Probable Maximum Most Frequent Flow	Dr. K.S. Gumaste and Mr. Rohit Mangalekar	International Conference on Environmental Sustainability (ICES-2023), Organized by VJTI, Mumbai,	16-17 March 2023
5	International Conference	Effect of sequentially operated biorack constructed wetland on the removal of TKN	Kritika Khonde and Guru Munavalli	55 th Annual Convention 2023, Indian Water Works Association (IWWA), Organized by IWWA Pune Centre, 20-22 Jan., 2023, Proceedings ,Page 90	20-22 Jan. 2023
6	International Conference	A study on biorack floating constructed wetland for the removal of TKN from domestic wastewater	Aishwarya Pisal and Guru Munavalli	55 th Annual Convention 2023, Indian Water Works Association (IWWA), Organized by IWWA Pune Centre, 20-22 Jan., 2023, Proceedings, Page 90	20-22 Jan. 2023
7	International Conference	Stormwater management system a case study for Walchand college of Engg., Sangli	Pournima Shitole and Guru Munavalli	55 th Annual Convention 2023, Indian Water Works Association (IWWA), Organized by IWWA Pune Centre, 20-22 Jan., 2023, Proceedings ,Page 90	20-22 Jan. 2023,
8	International Conference	Performance of a deep bio-rack constructed wetland on TKN removal for domestic wastewater treatment	Abhaya Khot Patil and Guru Munavalli	55 th Annual Convention 2023, Indian Water Works Association (IWWA), Organized by IWWA Pune Centre, 20-22 Jan., 2023, Proceedings ,Page 90	20-22 Jan. 2023
9	International Conference	Disinfection by nano particle coated clay filter	Shailendra Hivarekar and Guru Munavalli	55 th Annual Convention 2023, Indian Water Works Association (IWWA), Organized by IWWA Pune Centre, 20-22 Jan., 2023, Proceedings ,Page 90	20-22 Jan. 2023
10	International Conference	Package Treatment System for Domestic Wastewater	Dr. P.G. Sonavane	55th IWWA annual convention at Pune	21 Jan. 2023

11	International Conference	Hydraulic Reliability of Building Water Supply System Network Designed Using Fis-Based End-Use Model	Dr.K.S.Gumaste and Mr. Rohit Mangalekar	International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges (SIIOC 2023) held during 20 - 21 April 2023 at NITK, Surathkal.	20-21 April 2023
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SN	Type of Publication	Title of Paper	Names of Authors	Journal / Conference Details	Date of Publication
Mechanical Engineering Department					
1	International Journal	Design and Analysis of Chassis Frame for Two Wheel Electric Commercial Vehicle	Vishal R Mane, Vishal V. Dhende, Tejas Inamdar	International Journal of Scientific Research in Engineering and Management (IJSREM), Vol. 6, Issue 7, Ed. ISSN: 2582-3930	July 2022
2	International Journal	A Review on Regenerative Shock Absorber	Nikhil Dahat, Prabhakar Maskar, Aniket Yadav	International Journal of Scientific Research in Engineering and Management (IJSREM), Vol. 6, Issue 7, Ed. ISSN: 2582-3930	July 2022
3	International Journal	A Review on Magnetorheological (MR) Fluid Damper	Aniket Yadav, Prabhakar Maskar, Nikhil Dahat	International Journal of Scientific Research in Engineering and Management (IJSREM), Vol. 6, Issue 8, Ed. ISSN: 2582-3930	August 2022
4	International Journal	Topology Optimization of Pitman Arm	Ranjit Chapole, Sagar Sapkal, Sunil Sutar	GIS Science Journal, Volume 9 Issue 8, 2022, Ed. ISSN No : 1869-9391	August 2022
5	International Journal	Analysis of Non-Linear Undamped Dynamic Vibration Absorber	Shivaji Rode, Ajeet Patil, Sharad Gaikwad	International Journal for Research in Engineering Application & Management (IJREAM), Vol-08, Issue-04, Ed. ISSN : 2454-9150	July 2022
6	International Journal	Determination of Stress Concentration Factor Using Artificial Neural Network	Prasanna Gavade	International Journal for Research in Engineering Application & Management (IJREAM), Vol-08, Issue-04, Ed., ISSN : 2454-9150	July 2022
7	International Journal	Design, Numerical Analysis and Optimization of Gear Box	Vishal Shaha	GIS Science Journal, Volume 9 Issue 8, 2022, Ed. August 2022, ISSN No : 1869-9391	August 2022
8	International Journal	A review of Mathematical Models to Predict Sound Absorption Coefficient of Materials	Rushikesh Patil	International Journal for Research in Engineering Application & Management (IJREAM), Vol-08, Issue-04, Ed. July 2022, ISSN : 2454-9150	July 2022
9	International Journal	Prognosis of Rolling Element Bearing Using LSTM Neural	Shubham Kate, Shard Gaikwad, Ajeet Patil	International Journal for Research in Engineering	July 2022

		Network		Application & Management (IJREAM), Vol-08, Issue-04, Ed., ISSN : 2454-9150	
10	International Journal	Design and Development of coconut scrapping machine for small scale and household working	Shubham Kadam	International Journal for Research in Engineering Application & Management (IJREAM), Vol-08, Issue-04, Ed., ISSN : 2454-9150	July 2022
11	International Journal	Review on James Webb Space Telescope's Mid-Infrared Instrument (JWST-MIRI) Filter Wheel Assembly	Pratik D. Agame, Abhinandan B. Admuthe, Babasao N. Naik	Journal of Mechanical Robotics (e-ISSN: 2582-2187)" in Volume 7, Issue 2 (2022).	2022
12	International Journal	A Review Of Mathematical Models to Predict Sound Absorption Coefficient of Materials	RUSHIKESH PATIL	International Journal for Research in Engineering Application & Management (IJREAM) Volume 08, Issue 04	July 2022
13	International Journal	CFD Analysis of Heat Treatment (Quenching) Processes with Experimental Validation	Hemant P. Horane, Babaso Naik, Omkar Khumbhar	Journal of Modern Thermodynamic in Mechanical System Volume:4, Issue:2	August 2022
14	International Journal	Experimental Analysis of Heat Transfer Enhancement in Shell and Tube Heat Exchanger by using Nano-fluids.	Mahesh Ingale, Mr. Ankush S. Patil	International Journal of Research And Analytical Reviews (IJRAR) Vol.- 9 Issue	July 2022
15	International Journal	Review Paper on study and implantation of steam traps	Abhilash Koli, Prof. Dr. B.S. Gawali	International Research Journal of Engineering and Technology (IRJET) volume:09 Issue:06 June 2022	June 2022
16	International Journal	A simplified Integral Approach for Analysis of Coupled Heat and Mass Transfer Processes for Counter Flow Packed Bed Adiabatic Dehumidifier	Nandkishor S. Deshmukh, Aarti Mukayanamath, Bajirao S. Gawali, Rustum S. Dhalait, Mahmadrarik Choudhari, Prateek Malawe	International Journal of Advanced Technology and Engineering Exploration, Vol X(XX), ISSN (Print): 2394-5443.	2022
17	International Journal	Oscillating flow heat transfer: a comprehensive review	Mahmadrarik Choudhari, Bajirao S. Gawali, Jitendra D. Patil	Energy Sources, Part A: Recovery, Utilization and Environmental Effects 2022, Vol.44, No.3, 7598-7619.	2022
18	International Journal	Statistical Correlation Study Among Tensile Properties of Martensitic Stainless Steel	Akash Mane, Abhinandan Admuthe	GIS Science Journal, Volume 9 Issue 8, 2022, Ed. August 2022, ISSN NO : 1869-9391	August 2022
19	International Journal	A Review: MR Fluid technology	Avinash Pawar, Vishal Dhende	Research and Reviews : Journal of Mechanics & Machines, Volume 4 Issue 3	2022
20	International Journal	A Review on Vehicle Suspension with Urethane Buffer	Shubham Patil, Prof. Dr. K.H. Inamdar	International Journal for Research in Applied Science	2022

				and Engineering Technology (IJRASET), ISSN: 2321-9653	
21	International Journal	Finite Element Analysis of Friction Angle in Friction Drilling Process	Nitin S. Chityal and Sagar U. Sapkal	Advances in Mechanical Engineering and Technology, pp. 609-617, 2022	2022
22	International Journal	Selection of optimum plant layout using AHP-TOPSIS and WASPAS approaches coupled with Entropy method	Anand S. Shivade and Sagar U. Sapkal	Decision Science Letters 11, pp. 545 – 562, 2022	2022
23	International Journal	Performance analysis of GA, PSO and JA for determining the optimal parameters in friction drilling process	Nitin Chityal and Sagar Sapkal	Journal of Engineering Science and Technology, an International Journal, Vol. 35, 2022,	2022
24	International Journal	Proposed Composite Similarity Metric Method for Part Family Formation in Reconfigurable Manufacturing System	Rutuja Shivdas and Sagar Sapkal	The International Journal of Advanced Manufacturing Technology 2023	2022
25	International Journal	Implementation of TRIZ Principle for Improving the Acceptance Level of Assembled Engines	Ranjit Chapole, Sagar Sapkal and Sunil Sutar	GIS Review Journal, Vol. 9, issue 8, pp. 250-258,	2022
26	International Journal	Product Re-Engineering by Topology Optimization for Forged Component	Digambar Jadhav, Sagar Sapkal and Sunil Sutar	Gradiva review Journal, Vol. 8 issue 8, pp. 238-248, 2022	2022
27	International Journal	Comparative Evaluation of 3D Printed Components for Deviations in Dimensional and Geometrical Features	Siddhant R. Gaikwad, Nikhil H. Pawar and Sagar U. Sapkal	Materials Today: Proceedings Vol. 59 (1), pp. 297-304, 2022	2022
28	International Journal	Development of Object Tracking System Utilizing Camera Movement and Deep Neural Network	Tejonidhi R. Deshpande and Sagar U. Sapkal	IEEE Xplore, 2022, DOI: 10.1109/TENSYMP54529.2022.9864420	2022
29	International Journal	Application of Multi-Attribute Decision Making Methods for Fused Deposition Modelling	Sagar U. Sapkal and Pritam H. Warule	Book chapter in edited book "Sustainability for 3D Printing" Springer International Publishing, pp. 55 – 75	2022
30	National Conference	Detection of defects in a Cast Component using simulation and image Qualification Technique	Meera Sinkar, Amar Bhandare, & Vishal Dhende	10th National Conference on Nanoscience and Instrumentation Technology	July 2022
31	National Conference	Management Development and Finite Element Analysis of Sandwich Pattern of E-Waste Material and Composite Material	Rohit Waghmare, S.V. Gaikwad	10th National Conference on Nanoscience and Instrumentation Technology	July 2022
32	National Journal	Investigation of input parameters on damping force of MR Damper	Avinash A Pawar, Vishal V Dhende	Goya Journal Volume 16, Issue 7	July 2023
33	National Conference	Experimental Investigation of End-Milling Parameters During Machining of Inconel 625.	Akshay Soudagar, Dr. A.S. Bhandare, Dr. S.V. Gaikwad	NIT Warngal, Department of Mechanical Engg. ICMech-REC-2023	June 2023

34	National Conference	Optimization of Process parameters during turning process for Aluminium 7075	J.M.J. Pathan, A.S. Bhandare	10th National Conference on Nanoscience and Instrumentation Technology	July 2022
35	International Conference	Design and development of magneto-rheological damper for vibration attenuation in household washing machine	Sagar Kulkarni, Prof. Dr. U. A. Dabade, Prof. P. D. Maskar	Global Conference on Recent Advancements in Sustainable Materials(GC-RASM 2022)	July 2022
36	International Conference	Development of low cost setup for identification of unbalance in system	Dnyaneshwr Patil, A. P. Patil	International Conference on sustainable energy solutions for better tomorrow (SESBT 2022) 4 July 23-24, 2022 VIT Chennai	July 2022
37	International Conference	Modeling of dynamic EV for different feature extraction in MATLAB/Simulink	Ankul Kumbhar, Pawankumar Fakatkar, Dr. Bajirao Gawali, Nikita Nagmoti	Emerging trends in Electric-Mobility & sustainable development : Opportunities and challenges	2022
38	International Conference	Magneto-static Analysis of Magnetorheological (MR) Fluid Damper Based on FEA Approach	Aniket Yadav, Prabhakar Maskar, Nikhil Dahat	Third International Conference on Advances in Physical Sciences and Materials 2022 (ICAPSM 2022) organized by KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu	August 2022
39	International Conference	Design, Development, and Testing of Single Piston Moving Magnet Miniature Compressor	Sana M. Bagwan and Maruti M. Khot	International Conference on sustainable energy solutions for better tomorrow (SESBT 2022) July 23-24, 2022 VIT Chennai	July 2022
40	International Conference	Machine Learning Algorithm for Bearing Fault Classification	Rahul S Ainapure, A.P Patil	First International Conference on Artificial Intelligence and machine Learning Applications (ICAIMLA 2022)	2022
41	International Conference	Development of Low Cost Setup for Estimating Natural Frequency	Vrushali Sutar and A.P.Patil	3 rd International Conference on Sustainable Energy Solutions for a Better Tomorrow (SESBT 2022), July 23 – 24, 2022, VIT Chennai	July 2022
42	International Conference	Design and Development of Regenerative Shock Absorber	Nikhil Dahat, Prabhakar Maskar, Aniket Yadav	International Conference on Future Trends in Materials and Mechanical Engineering (ICFTMME-2022) conference to be held during 19-20 August 2022.	August 2022
43	International Conference	Process Parameters Optimization of Developed Bi-Nozzle 3D Printer	Kalpak Pandhare, Sagar Sapkal	ICAME-2022 International Conference	2022
44	International Conference	Modelling of Dry EDM Process parameters during Machining of	Dr. Amar Shrikant Bhandare and Dr. Uday Dabade	3rd International Conference on Advances in Materials, Mechanics,	May 2023

		Inconel 718 using Artificial Neural Network		Mechatronics and Manufacturing	
45	International Conference	A Proposed Hybrid Clustering Approach For Cell Formation Of Gear Box Manufacturing	Anand Shivade and Sagar Sapkal	7th International Conference on Production and Industrial Engineering CPIE-2023	10-12 March, 2023
46	International Conference	Reconfigurable Manufacturing System Generic Design Framework For System Level Design	Rutuja Shivdas and Sagar Sapkal	7th International Conference on Production and Industrial Engineering CPIE-2023	11 March 2023
47	International Conference	Development of Integrated Customer Relationship Management Tool for Predictive Analytics in Supply Chain Management	S.N. Dhisale, V.B. Nikhumbhe. P.P. Kerkar, H.P. Hinge, A.D Revgade & U.A. Dabade	International Conference Data Analytics in Public procurement and Supply Chain (ICDAPS2022). Springer	June 2023

S N	Type of Publication	Title of Paper	Names of Authors	Journal / Conference Details	Date of Publication
Electrical Engineering Department					
1	International Conference	Evaluation of Oil Impregnated Paper Insulation for Converter Transformer under FDS	Dr. D. S. More	3 rd International Conference on Intelligent Systems, Cognitive Science and Knowledge Engineering (ICKE2023)	January 2023
2	International Conference	Electric Load Disaggregation using Machine Learning approach on IEDL Dataset: a Comparative Study	Dr. D. S. More	3 rd International conference on artificial Intelligence and smart systems	January 2023
3	International Conference	Implementation and Performance Analysis of EPLL Based Field Oriented Control Algorithm for Speed Control in Electrified Transportation Systems	Mr. S. S. Karvekar	2022 2 nd Asian Conference on Innovation in Technology (ASIANCON 2022) ,pp 1785-1790, ISBN: 9978-1-6654-6851-0/22	August 2022
4	International Journal	Implementation of EPLL-Based Control Algorithms using Low-Cost Target Platforms for Synchronization in Electrified Transportation Systems	Mr. S. S. Karvekar	Journal of Institution of Engineers India, Series B, August 2022	August 2022
5	International Journal	Grid Connected Hybrid Pv And Wind Power Generation System For Improving Power Quality Using Seven Level Cascaded H-Bridge Inverter	Mrs. A. A. Dhamangaonkar	International Journal of Creative Research Thoughts Volume 10, Issue 7 July 2022 ISSN: 2320-2882	July 2022
6	International Journal	Speed Control of Electrical Vehicle using BLDC with Fuzzy Logic	Mr. V. S. Sathe	International Journal of Creative Research Thoughts, 2022	2022-23

7	International Journal	PID Controller Based Speed Control of BLDC Motor with Regenerative Braking	Mr. V. S. Sathe	International Journal of Creative Research Thoughts, July 2022, Volume 10, Issue 7	July 2022
8	International Journal	Solar and Grid Powered Electric Vehicle Charging Station Control by Programmable Logic Controller	Mr. V. S. Sathe	Journal of Emerging Technologies & Innovation Research, 2022, Volume 9, Issue 7	July 2022
9	International Journal	PID Controller Based Speed Control of BLDC Motor With Regenerative Braking	Mr. S. S. Medhekar	(IJCRT) International Journal of Creative Research Thoughts, Vol. 10, Issue 7 (July 2022)	July 2022
10	International Journal	Controlling of High Efficiency Bridgeless Battery Charger For Light Electric Vehicles Using Fuzzy Logic Controller	Mr. S. S. Medhekar	(IJCRT) International Journal of Creative Research Thoughts, Vol. 10, Issue 7 (July 2022)	July 2022
11	International Journal	Sliding Mode Adaptive Control of a Standalone Single Phase Micro grid Powered by a Solar PV Array	Mrs. M. M. Tahmankar	International Research Journal of Engineering and Technology (IRJET) Volume: 09 Issue: 07 July 2022-ISSN: 2395-0056	July 2022
12	International Journal	Development of a Supercapacitor-Aided Hybrid Energy Storage system to Enhance Electric Vehicle Battery Life Cycle	Mrs. M. M. Tahmankar	International Journal of creative research thoughts 2022 IJCRT, Volume 10, Issue 7 July 2022, ISSN: 2320-2882	July 2022
13	International Journal	EV Charging Schemes With Different Bidirectional DC-DC Converters	Mrs. M. M. Tahmankar	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; Volume 10 Issue VII	July 2022
14	International Journal	PMSM-Driven Solar Water Pumping System.	Mr. M. S. Mahagaonkar	Journal of Electrical and Power System Engineering - MAT Journals - e-ISSN: 2582-5712 , Volume-8, Issue-2	August 2022
15	International Journal	Hardware Development of Microcontroller Based Impedance Relay with interconnection to TLS	Mrs. A. A. Dhamangaonkar	YMER Journal, Volume 22 : Issue 01 (Jan) - 2023,ISSN : 0044-0477	January 2023
16	International Journal	Analysis and Damping of Sub-Synchronous Oscillations in a 250 MW DFIM Hydro Unit Connected to Series Compensated 765 kV Transmission Lines	V. Mohale, T. R. Chelliah and Y. V. Hote	IEEE Transactions on Industry Applications, vol. 59, no. 2, pp. 2234-2245, March-April 2023	April 2023

17	International Journal	Large asynchronous hydro generating systems connected to TCSC compensated transmission lines (Simulation with experimental validation)	Vijay Mohale, Sunny Sonandkar, Thanga Raj Chelliah	A review on SSO perspectives, Electric Power Systems Research, Volume 219, 2023, 109257, ISSN 0378-7796	22-2023
18	International Journal	Impact of Fixed/Variable Speed Hydro, Wind, and Photovoltaic on Sub-Synchronous Torsional Oscillation—A Review	Mohale, Vijay, and Thanga Raj Chelliah	Sustainability 15, no. 1: 113.	22-2023
19	International Conference	Modeling and Analysis of Sub-Synchronous Oscillation in Large Rated DFIM Based Hydro Unit Fed to Extra High Voltage Transmission Lines	V. Mohale, T. R. Chelliah and Y. V. Hote	2022 IEEE Industry Applications Society Annual Meeting (IAS), Detroit, MI, USA, 2022, pp. 1-6	22-2023
20	International Conference	Impact of Series Compensated High Voltage Transmission Lines in the Operation of DFIM Based Hydro Unit	V. Mohale and T. R. Chelliah	2022 Second International Conference on Power, Control and Computing Technologies (ICPC2T), Raipur, India, 2022, pp. 1-6	22-2023
21	International Conference	Impact of Sub-Synchronous Resonance on Torsional Vibration of Large Rated Variable Speed Pumped Storage Unit	V. Mohale, J. Ali, T. R. Chelliah and P. Agarwal	2022 IEEE 1st Industrial Electronics Society Annual On-Line Conference (ONCON), Kharagpur, India, 2022, pp. 1-6	22-2023

SN	Type of Publication	Title of Paper	Names of Authors	Journal / Conference Details	Date of Publication
Electronics Engineering Department					
1	International conference	Comparative Study of Lumbar Spine X-ray Image Enhancement Techniques for Detection of Lumbar Abnormality	Meghana Rahul Khare	Computational Intelligence in Engineering System AIP 2494, 070015 (2022) Volume 2494, Issue 1 10.1063/5.0107264	31 Oct. 2022
2	International Journal	IOT Based Smart Shopping Trolley	Utkarsha Harale, Dr. B. G. Patil, Ashwini patil	Advanced Research in Electrical, Electronics and Instrumentation Engineering, Volume 12, Issue 4	April 2023
3	International Journal	Object detection and dimension measurement using open cv	Aishwarya Vijay Pathade, Sanjay Dhaigude	Advanced Research in Electrical, Electronics and Instrumentation Engineering, Volume 12, Issue 4	April 2023
4	International Journal	Real time water treatment plant monitoring system: review	Mayuri Kulkarni, Rajan Mevekari	Advanced Research in Electrical, Electronics and Instrumentation Engineering, Volume 12, Issue 4	April 2023

5	International Journal	Development of IOT based support system for epilepsy and paralyzed patient	Vaishali Gorakh Waghmode, Dr. Manasi M. Patil, Dr. Amrita A. A. Agashe	Electronics Information Technology Science and management DOI:10.37896/JEISMV13.5/282 Volume 13, Issue 5, ISSN No : 0258-7982	2023
6	International Journal	Smart Energy Monitoring Node	Balkrishna Ramchandra Limaye, Dr. S. G. Tamhankar	Advanced Research in Electrical, Electronics and Instrumentation Engineering, Volume 12, Issue 4,	April 2023
7	International Journal	Predicting the Anterior Slippage of Vertebral Lumbar Spine using Densenet-201	Meghana Rahul Khare	Biomedical signal Processing and Control,	21 June 2023

S N	Type of Publication	Title of Paper	Names of Authors	Journal / Conference Details	Date of Publication
Computer Science and Engineering Department					
01	Journal	Hybrid feature-based anxiety detection in autism using hybrid optimization tuned artificial neural network	Amruta Tushar Umrani (Chimanna) Dr Pon Harshavardhanan	Biomedical Signal processing and control	July 2022
02	Journal	Time Table Generator	Mrs A M Chimanna Ms. Trupti Patil Ms. Nikita Khot Ms. Arya Taiwade	GIS Science Journal	December 2022
03	Journal	Weed Management System Using Artificial Intelligence and Internet of Things	Mr Manik Chavan Mr Shailesh Benade	International Journal of Research and Analytical Reviews (Ijrar.Org)	March 2023
04	Book Chapter	7 Video surveillance fire detection and quick alarm systems	Kiran P Kamble, Vijay R Ghorpade, Sonali Patil, Pratibha Garje, Pooja D Mundada	Computer Vision: Applications of Visual AI and Image Processing	February 2023
05	Conference	Spraying Pesticides via Drone	Amruta Tushar Umrani(Chimanna) Yash Kalam	5 th International Drone Technology: Industrial applications and opportunities virtual conference	September 2022
06	Conference	Grapes Insect Detection and Monitoring using YOLOv4	Nandinee L. Mudegol, Akash Dilip Kamble, Vishal Manikrao Jadhav, Shivkanya Ram Birajdar	International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2023)	March 2023

SN	Type of Publication	Title of Paper	Names of Authors	Journal / Conference Details	Date of Publication
Information and Technology Department					
1	International Journal	Semantic Segmentation Using Gsaunet	Dr. S. P. Sonavane	ICT Express	01/02/2023

2	International Journal	Co-Occurrence Patterns Based Fruit Quality Detection For Hierarchical Fruit Image Annotation	Dr. S. P. Sonavane	Journal Of King Saud University-Computer And Information Sciences	01/07/2022
3	International Conference	High Frequency Forecasting on Stock Market using Machine Learning	Miss. A. M. Khot	3rd International Conference for Emerging Technology (INCET), Belgaum, India,	15/07/2022
4	International Conference	An Inventory Management using Cloud Function and Protocol Buffer for Improved Efficiency	Dr. P. K. Kharat	in the 8th International Conference on Computing in Engineering and Technology 2023 (ICCET 2023)	14/07/2023
5	International Conference	IoT Framework for Water Conservation and Management using Cloud Computing	Dr. P. K. Kharat	International Conference at VJTI, Mumbai	16/03/2023

SN	Type of Publication	Title of Paper	Names of Authors	Journal / Conference Details	Date of Publication
Humanities and Science Department					
01	International Journal	Ionic liquid mediated synthesis of TiO ₂ -ZnO-BMIMBr Nanocomposite for electrochemical sensing of neurotransmitter	Ajay P. Khairnar, Anita K. Tawade, Bhagyashri B. Kamble, Hemant S. Khune, Anil A. Powar, Kirankumar K. Sharma, Manohar R. Patil, Shivaji N. Tayade and Vijay S. Patil	Journal of Materials Science: Materials in Electronics Springer 34, Article number: 641	24 Feb 2023
02	International Journal	The exploration and synthesis of perovskite L _{0.2} Sr _{0.8} MnO ₃ electrode material for supercapacitor application.	K.V. Madhale A.A. Powar, B.N. Jamadar & B.B. Vhankhande	International Journal of Science & engineering ISSN-2322-0015	Feb 2023
03	International Journal	Designing a TiO ₂ -MoO ₃ -BMIMBr nanocomposite by a solvothermal method using an ionic liquid aqueous mixture: an ultra-high sensitive acetaminophen sensor	Anita K. Tawade, Ajay P. Khairnar, Jayashri V. Kamble, Akash R. Kadam, Kiran Kumar K. Sharma, Anil A. Powar, Vijay S. Patil, Manohar R. Patil, Sawanta S. Mali, Chang Kook Hong and Shivaji N. Tayade	Royal Society of Chemistry RSC Adv., 2023, 13, 21283–21295.	June 2023
04	International Journal	Certain class of univalent functions associated with Mittag-Leffler functions,	S.B. Joshi ,S.S. Joshi, S. Nalawade	J. Indian Acad Math.	2022
05	International Journal	New subclass of analytic functions associated with fractional q-differentintegral operator,	S.B. Joshi ,N.D. Sangle , D.D Bobalade.	Punjab Univ. J. Math	2022
06	International Conference	Analysis Of Total Harmonic Distortion Of Three-Phase	Bashir N Jamadar, Balasaheb B	Third International Conference on Intelligent Computing	18 October 2022

		Induction Motor Drive For Different PWM Techniques	Vhankhande, D.S. Sutrave	Instrumentation and Control Technologies (ICICT)-2022 at Vimal Jyothi Engineering College, Kannur, Kerala.	
07	International Conference	Solar Powered Smart Street Light Control System	Bashir N Jamadar, Balasaheb B Vhankhande, Bushara B. Jamadar	International Conference on Digital Technology: Its impact, Challenges and Opportunities at V.P. Institute of Management Studies and Research, Sangli, Maharashtra. Date of Conference: 25 Feb. 2023	March 2023

Google Scholar Citation Details

Name of Faculty	Designation	Google Scholar					
		2018 Onwards			All		
		Citations	h-Index	i-10 Index	Citations	h-index	i-10 index
Prof. Dr. U.A. Dabade	Professor	800	15	18	1300	16	18
Dr. G. R. Munavalli	Asso.Professor	354	9	9	734	12	13
Dr. S.B. Joshi	Associate Professor	247	8	7	658	12	15
Dr. Anantkumar Janardan Umbarkar	Assistant Professor	555	9	8	654	11	12
Dr. S. D. Ruikar	Associate Professor	250	9	7	512	10	10
Dr. K.S. Gumaste	Asso.Professor	224	5	2	397	7	5
Dr B F Momin	Associate Professor	304	9	8	396	11	14
Dr. S. U. Sapkal	Associate Professor	287	9	9	375	10	10
Dr. D. S. More	Associate Professor	227	8	6	367	10	10
Dr. K.H. Inamdar	Associate Professor	228	9	7	339	11	11
Dr. S. N. Tande	Professor	175	5	4	287	8	7
Dr. Shefali Pratap Sonavane	Associate Professor	253	9	9	282	10	10
Dr. S. B. Kadam	Asst. Professor	197	6	4	241	7	7
Prof. Dr. B.S. Gawali	Professor	160	7	5	220	9	8
Dr. Dinesh Balkrushna Kulkarni	Professor	110	5	0	176	6	1
Dr. Mrs. M. M. Patil	Associate Professor	87	5	2	150	8	5
Dr. Mrs. S. S. Deshpande	Professor	120	6	3	136	7	4
Mr A R Surve	Assistant Professor	114	7	1	135	7	2
Dr. Sharwari S. Solapure	Assistant Professor	110	5	3	117	5	3
Dr. V. B. Dharmadhikari	Associate Professor	66	4	1	117	5	4
Mr. A.B. Patil	Associate Professor	45	3	0	101	5	4
Dr N L Gavankar	Assistant Professor	98	3	2	98	3	2

Mr. P.A. Mane	Assistant Professor	59	5	2	96	5	4
Mr M K Chavan	Assistant Professor	86	4	2	94	4	2
Dr. Prashant Krishnarao Kharat	Assistant Professor	64	6	1	91	7	3
Manish Balaji Narnaware	Assistant Professor	58	2	1	82	3	1
Dr. S. G. Tamhankar	Associate Professor	41	4	1	82	6	2
Mr. R.M. Chanmanwar	Assistant Professor	57	4	2	81	5	2
Dr Mrs M A Shah	Assistant Professor	62	4	2	77	6	2
Dr. C. B. Pol	Asst. Professor	42	2	2	77	2	2
Dr. Mrs. A. A. Agashe	Associate Professor	36	4	2	76	5	4
Mrs. S. P. Diwan	Assistant Professor	39	3	1	74	4	2
Dr. R. P. Hasabe	Assistant Professor	48	3	2	69	5	3
Dr. Ravindra Ramkishan Rathod	Assistant Professor	54	3	2	66	3	2
Mr. S. S. Karvekar	Assistant Professor	45	4	0	64	6	0
Dr. A.P. Patil	Assistant Professor	55	4	2	55	4	2
Mrs. N. S. Babar	Assistant Professor	46	2	2	54	3	2
Dr. P. G. Sonavane	Professor	26	3	0	48	5	1
Dr. A. K. Mali	Asst. Professor	47	4	2	47	4	2
Mr. V.P. Mohale	Assistant Professor	39	4	0	45	4	0
K.V. Madhale	Associate Professor	38	2	1	45	2	1
Dr. P. K. Sohoni	Asst. Professor	31	3	0	43	4	1
Dr. B.N. Jamadar	Assistant Professor	24	2	0	37	3	2
Dr. Umesh Balkrushna Chavan	Assistant Professor	31	3	1	33	3	1
Mr. P. K. Deshpande	Asso. Professor	20	3	0	32	4	1
Mr. P.D. Maskar	Assistant Professor	19	1	1	29	1	1
Dr. B. G. Patil	Associate Professor	12	2	0	27	4	0
Ms A S Pawar	Assistant Professor	19	3	0	21	3	0
Dr. S. V. Gaikwad	Assistant Professor	17	2	1	19	3	1
Dr. S. S. Sutar	Assistant Professor	18	2	1	18	2	3
Mrs. A. S. Karvekar	Assistant Professor	7	2	0	17	2	0
Dr. A.S. Bhandare	Assistant Professor	17	3	0	17	3	0
Dr. M.M. Khot	Assistant Professor	12	2	1	16	2	1
Mr. C. H. Wagh	Asso. Professor	20	2	1	15	2	1
Bharati S. Shetty	Assistant Professor	3	1	0	11	1	1
Dr. A. K. Kokane	Asst. Professor	10	1	1	11	1	0
Mr. S. R. Khedkar	Assistant Professor	10	2	0	10	2	0
Mr. S. P. Nevgi	Assistant Professor	3	1	0	8	1	0
Manisha Sachin Dabade	Assistant Professor	6	1	0	6	1	0
Mayur G. Rathi	Assistant Professor	5	1	0	5	1	0
Mr S D Pujari	Assistant Professor	4	1	0	4	1	0
Mrs A M Chimanna	Assistant Professor	3	1	0	3	1	0

Mr. B.N. Naik	Assistant Professor	0	0	0	2	1	0
Ms N L Mudogol	Assistant Professor	1	1	0	1	1	0
Ms P D Mundada	Assistant Professor	1	1	0	1	1	0

Ph.D. Details of Regular Degree Faculty

SN	Name of Student	Department	Name of Guide, Branch	Date of Registration /Uni	Title of the Thesis	Completed on
Civil Engineering Department						
1	G. R. Munavalli	Civil engineering	Prof., M.S. Mohankumar Civil Engineering	1 st August 1999 Indian Institute of Science, Bangalore	Simulation and Parameter Estimation of Water Quality in Distribution System	2 nd March 2003
2	Krushnakedar Gumaste	Civil engineering	Dr. K.S. Jagdish, Dr. B.V.V. Reddy, K.S. Nanjund Rao, Civil Engg.	1 Aug 2000 IISc, Bangalore	Studies on Strength and Elasticity of Brick Masonry Walls'	8 th Jan. 2005
3	Pratap G. Sonavane	Civil engineering	Prof. Suresh V. Ranade, Civil engineering	1 st July 2003 Shivaji University	Kinetics & Mechanism of Nitrogen & Phosphorus Removal by Root Zone Technology in domestic Waste	4 th July 2008
4	Amol Mali	Civil Engineering	Prof. Nathgopalan, Civil engineering	July 2013	Investigations on the Development of the Pretreatment Process for Sugarcane Bagasse Ash for Its Utilization in Cement-Based Materials	July 2021
5	Anant Kokane	Civil Engineering	Prof. Sawant , Civil Engineering	September 2018	Analysis of Soil Nailed Slopes Under Seismic Conditions	September 2021
Mechanical Engineering Department						
1	Prof. Dr. B.S. Gawali	Mechanical	K. G. Narayankhedkar	Aug. 1999, IIT Bombay	Design and Development of a miniature IPT nitrogen liquefier	June 2005
2	Prof. Dr. U.A. Dabade	Mechanical	Prof. S.S. Joshi, IIT Bombay	July 2004, IIT Bombay	"Characteristics of Machined Surfaces on Al/SiCp Metal Matrix Composites Produced During Turning	20/05/2008
3	Dr. K.H. Inamdar	Mechanical	Dr. S.G. Joshi	20/11/2002, Shivaji University	Some Studies on the Analysis of Surface Quality of Flat Metal Surfaces using Image Processing Techniques	19/06/2007
4	Dr. S. U. Sapkal	Mechanical	Dr. Dipak Laha, Mechanical Engg.	14/08/2009, Jadavpur University Kolkata	Improved Heuristics for Manufacturing Scheduling	04/09/2013
5	Dr. S.V. Gaikwad	Mechanical	Dr. Rahul S. Mulik	09/07/2014, IIT Roorkee	Performance analysis of trepanning tool for deep annular grooving	19/12/2019

6	Dr. M.M. Khot	Mechanical	Dr. B. S. Gawali	01/01/2008, Shivaji University	Design and Development of Flexure Bearing for Miniature Linear Compressor	7/5/2015
7	Dr. A.P. Patil	Mechanical	Prof. S. P. Harsha Prof. B. K. Mishra	09/10//2018 IIT Roorkee	Diagnosis of Rolling Element Bearings using Vibration and Acoustic Emission Signals	21/11/2021
Electrical Engineering Department						
1	D. S. More	Electrical	Dr. B. G. Fernandes	July 2005	Design and Analysis of Three-Phase Flux Reversal Machine for Rooftop Wind Power Application.	Completed on 20 th October 2010
2	R P. Hasabe	Electrical	Prof. Dr. A. P. Vaidya	1 July 2010	Development of a Method to Mitigate the Effects of Statcom on the Distance Protection Scheme using Wavelet Transform and Neural Network	Completed on 9 th May 2017
Electronics Engineering Department						
1	Dr. Mrs. S. S. Deshpande	Electronics Engineering	Prof. Sachin S. Patwardhan	2008/ IIT, Bombay	Computationally Efficient NMPC for Fast dynamic Systems	15 Sept 2010
2	Dr. B. G. Patil	Electronics Engineering	Dr. Mrs. S. Subbaraman	2006/Shivaji University, Kolhapur	Human feature vector and classifier through iris pattern recognition	4 July 2015
3	Dr. V. B. Dharmadhikari	Electronics Engineering	Dr. P. J. Kulkarni, Electronics	2006/Shivaji University, Kolhapur	Quality of Service Issues, Formulation and Performance Evaluation of Traffic Smoothing Tech- niques for MPEG Video Transmission in Packet Switched Networks	21 July 2015
4	Dr. Mrs. A. A. Agashe	Electronics Engineering	Dr. S.K. Bodhe, Electronics Engg	2003/ Shivaji University Kolhapur	Mobility Management in adhoc networks: A Special Reference to Handoff Mechanism	November 2009
5	Dr. S. D. Ruikar	Electronics Engineering	Dr. D. D. Doye, Electronics Engineering	Nov 2006/ SRTMU Nanded	Image Denoising using Wavelet Transform	22/03/2013
6	Dr. S. G. Tamhankar	Electronics Engineering	Dr. F. S. Kazi Electronics	Aug. 2012	Some Investigations in Communication and Gateway issues of Cyber Physical Systems	April 2021
Computer Science and Engineering Department						
1	Dr. B. F. Momin	Associate Professor, CSE	Dr. Sushmita Mitra, CSE	Jadavpur University Kolkata	Some issues in Data Mining using Soft Computing.	Completed Feb 2008
2	Dr. A. R. Surve	Asst. Professor, CSE	Dr. V. R. Ghorpade, CSE	Shivaji University	SOA based context aware smart Pervasive Computing.	Completed 10-4-2023
3	Dr. Mrs. M. A. Shah	Asst. Professor CSE	Dr. D. B. Kulkarni, CSE	Shivaji University	Design and Performance Evaluation of Parallel Scalable Event Processing System	Completed 19-6-2019

4	Dr. N. L. Gavankar	Asst. Professor CSE	Dr. S. K. Ghosh, Geomatics Engineering	09/07/2014, Indian Institute of Technology Roorkee	A study on building extraction techniques using high resolution satellite data.	Completed 16-8-2018
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Information and Technology Department

1	Dr. D. B. Kulkarni	Prof. IT	Dr. P. J. Kulkarni CSE Dept	July 1999 Shivaji University	Iterated Function System for Image Coding	Completed Sept 2005
2	Dr. S. P. Sonavane.	Associate Prof. IT	Dr. S. M. Deshpande	01 st Jan 2005 Shivaji University	Capacity Estimates Analysis and Design of Improved Stenographic Algorithms for Compressed Images	Completed 10/11/2010
3	Dr. A.J. Umbarkar	Asst. Prof. IT	Dr. M. S. Joshi CSE Dept.	June 2010 BAMU Aurangabad	Design and Analysis of Parallel Multi population Genetic Algorithm on Multicore System	Completed 17/06/2016
4	Dr. R.R.Rathod	Asst. Prof. IT	Prof. R. D. Garg, Civil Dept	13 th July 2013 IIT Roorkee	Spatial Data Mining Methods for Electricity Consumption Profiling	Completed 07/06/2017
5	Dr. P K. Kharat	Asst. Prof. IT	Dr. Muralidhar Kulkarni	15 July 2016 NITK Surathkal	Modified QUIC Protocol with Congestion Control for Improved Network Performance	Completed 1/10/2019
6	Dr. U B. Chavan	CSE	Dr. D. B. Kulkarni, CSE	1 st July 2013, Shivaji University, Kolhapur	Performance issues in parallel scalable facial expression recognition system.	Completed 17/05/2022

Humanities and Science Department

1	Dr. B.N.Jamadar	Physics (Electronics)	Dr. D.S. Sutrave	01/07/2010 P.A. H. Solapur University, Solapur	Design and Development of PWM technique for three phase induction motor drive with auto fault detection	23/03/2021
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Regular Degree Faculty Ongoing Ph.D. details

SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis
Civil Engineering Department					
1	Mr. C. H. Wagh	Civil Engineering	Dr. Anil Chitade Civil	Gondwana University	Study on wastewater
Mechanical Engineering Department					
1	Mr. B.N. Naik	Mechanical	Prof. Sangeeta Kohli	21/07/2014, IIT Delhi	Some studies in Cookstove testing and combustion kinetics
2	Mr. P.A. Mane	Mechanical	Dr. Karthik Balasubramanian	21/12/2021, NIT, Warangal	Battery Thermal Management system.
3	Mr. R.M. Chanmanwar	Mechanical	Dr. D. K. Shinde	01/12/2022, VJTI, Mumbai	Optimization of Photo-Chemical Machining

4	Mr. S. D. Jagtap	Mechanical	Prof. M Mishra , Mechanical Engg	27/7/2021 , IIT, Roorkee	Investigations in Heat Exchangers with Porous Media
Computer Science and Engineering Department					
1	Mr. M. K. Chavan	CSE	Dr S Sridhar CSE	09/01/2023 VIT Bhopal	Privacy Preservation of outsourced Data
Electrical Engineering Department					
1	Mrs. S. P. Diwan	Electrical	Dr. Rajin linus	SGU, Atigre	Yet to be Decided
2	Mr. S. S. Karvekar	Electrical	Dr. P. M. Joshi	1 st July 2017 Shivaji University, Kolhapur	Implementation and Performance Analysis of Electrified Transportation System using Enhanced Phase Locked Loop
3	Mr. V. P. Mohale	Electrical	Dr Thanga Raj Chelliah	16 Aug 2020 IIT Roorkee	Analysis of Sub synchronous Oscillation in Hydro Power System
Information and Technology Department					
1	Bharati Shetty	CSE	Dr. Suresh	2017, VTU	Wireless Sensor networking
2	Manish Narnavare	CSE	Dr. Richa Makhajani	21 Aug 2021, IIIT Nagpur	Application of Deep Learning in Health care
Humanities and Science Department					
1	Mr. K.V.Madhale	Physics	Dr.S.B. Kulkarni Physics	15 th June 2019 Dr. Homi Bhaba State University, Mumbai	Studies on Synthesis and Fabrication of La _(1-x) Sr _x MnO ₃ -Reduced Graphene Oxide (RGO) Electrode Materials and its Composites for Supercapacitive Performance
2	Mrs. V.B. Girgaonkar	Mathematics	Dr. S.B. Joshi	July 2017	Study of certain subclasses of analytic and bi-univalent functions
3	Mr. A.A. Powar	Chemistry	Dr. Dattatray Sathe	Registered at JJTU Rajasthan	Electrochemical Sensor Materials for Neurotransmitters and Organic Pollutants by GO/ rGO Transition Metal Oxides Composites

Books Published by Faculties:

Sr. No.	Name of Faculty	Title of Book	Name of Publisher	Year of Publication
1	Mr. M.S .Mahagaonkar	Basic Electrical Engineering	Amazon-Kindle Publications	2019
2	Dr. D.S. More, Dr. M.M. Waware, Mr. V.P. Mohale	Power Electronics & Its Applications	Khanna Publishing ISBN 10: 93-55380-42-9	2022
3	Dr. R. R. Rathod	IT workshop using Matlab (Book translation in Marathi)	AICTE	Awaited
4	Mr. K.V. Madhale	Engineering Physics – I & II	Mahalaxmi Publication Pune	2001-2002
5	Mr. K.V. Madhale	Engineering Physics	NIRALI publication Pune	2007-08
6	Dr. S.B .Joshi	Complex analysis theory and applications	De Gruyter Pub, Germany ISBN, 978 3 11 065786 9	2019

7	Dr. S.B. Joshi.	Current topics in pure and computational complex analysis	Birkahuser series, Springer verlag, London, Germany ISBN 978 81 322 2113 5	2014
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Ph.D. Student Details:

Department	2020-21	2021-22	2022-23	Total Completed during last 3 Years
Civil Engineering	NIL	02	02	04
Mechanical Engineering	--	02	02	04
Electrical Engineering	NIL	NIL	01	01
Electronics Engineering	NIL	01	NIL	01
Computer Sci. Engineering	00	04	05	09
Information & Technology	02	02	05	09
Total	02	11	15	28

SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status: Ongoing/ Completed
Civil Engineering Department					
1	Nikhil Bembade	Dr. S.N. Tande	08/02/2018	Linear and Nonlinear Performance of concrete filled double steel tubular columns	On-going
2.	Mr. Rohit D. Mangalekar	Dr. K.S. Gumaste	08/02/2018	Studies on Hydraulic Reliability and Cost Optimization in Design of Water Supply Systems for High Rise Residential Buildings.	On-going
3	Khanke Venushree	Dr. S. N. Tande	08/02/2018	Static and Dynamic Analysis of Functionally graded skew sandwich plates with initial geometric imperfections	On-going
4	Desai Gautam Vikas	Dr. S. N. Tande	2015	Architecture Engineering	On-going
Mechanical Engineering Department					
1	A. S. Bhandare	Prof. Dr. U.A. Dabade	1/7/2012	Effect of Dry EDM on surface integrity of Inconel 718	Submitted on 10/10/2022
2.	Vinod Vasantrao Vanmore	Prof. Dr. U.A. Dabade	1/7/2012	Development and performance analysis of micro abrasive jet machining process.	Submitted on 30/11/2022
3	Sudhir Pandurang Nangare	Prof. Dr. B.S. Gawali	01/07/2017	Design, Development and Testing of Multi Pulse Tube Cryocooler with Oil Free Compressor	Ongoing
4	Prateek Deoman Malwe	Prof. Dr. B.S. Gawali	30/07/2018	Energetic and Exergetic Assessment of a Cold Chain System for an Agricultural Product – Raisins	Ongoing

5	Mahmadrafik Sajjadahmad Choudhari	Prof. Dr. B.S. Gawali	03/08/2018	Heat Transfer and Fluid Flow Analysis of Oscillating Flow Heat Exchanger – Pulse Tube Refrigerator	Ongoing
6	Nandkishor Sheshrao Deshmukh	Prof. Dr. B.S. Gawali	20/07/2019	Numerical and Experimental Investigation of Liquid Desiccant Cooling System	Ongoing
7	Rustum Sikandar Dhalait	Prof. Dr. B.S. Gawali	20/07/2019	Theoretical and Experimental Analysis of Low Temperature Power Cycle for Waste Heat Recovery	Ongoing
8	Abhijeet R. Shinge	Prof. Dr. U.A. Dabade	01-07-2013	Experimental Investigations and validation in micro milling of Aluminium alloy micro channels	Ongoing
9	Rahul Chandrakant Bhedasgaonkar	Prof. Dr. U.A. Dabade	01-07-2018	Experimental Investigation of Performance of hybrid nano fluids in machining of difficult to cut materials under minimum quantity lubrication	Ongoing
10	Manisha Nilkanth Alatkar	Prof. Dr. U.A. Dabade	13/09/2021	Optimization of Surface Finish and Mechanical Properties of Polylactic Acid (PLA) and Polyethylene Terephthalate Glycol(PETG) Products Processed by Additive Manufacturing	Ongoing
11	Supriya Krishna Darekar	Dr. S.U. Sapkal	July 2017	Investigation of Part Characteristics using Additive Manufacturing Process for Comparative Study	Ongoing
12	Anand Sudhir Shivade	Dr. S.U. Sapkal	July 2017	Application of Industrial Engineering Tools to Gear Box Manufacturing Industry for Productivity Improvement	Ongoing
13	Mahesh Sadashiv Shinge	Dr. S.U. Sapkal	July 2018	Effective Metaheuristics for Job Shop Scheduling Problem	Ongoing
14	Nitin Somnarayan Chityal	Dr. S.U. Sapkal	July 2019	Investigation of Bushing Geometry and Thrust Force in Friction Drilling by Experimental and Optimization Approaches	Ongoing
15	Rutuja Krishnat Shivdas	Dr. S.U. Sapkal	July 2019	Performance Analysis of Reconfigurable Manufacturing System (RMS) for System Design and Operation	Ongoing
16	Jitendra Govind Shinde	Dr. M.M. Khot	July 2018	Design, Development and experimental investigation of miniature moving magnet pulse tube cryocooler.	Ongoing
17	Vijayshingh Balaso Suryawanshi	Dr. M.M. Khot	July 2018	Design, Development and experimental investigation of miniature moving coil pulse tube cryocooler	Ongoing
Electrical Engineering Department					
1	Thombre R. D.	Dr. D. S. More	Aug 2015	Design, analysis and control of bidirectional power converter for hybrid ac/dc micro-grid system.	Ongoing
2	Jagtap S. R	Dr. D. S. More	Aug 2017	Design and development of reliable switching power converters by real time switch open-circuit and short-circuit fault diagnosis and fault tolerant control.	Ongoing

3	Mopari S. S	Dr. D. S. More	Aug 2019	Analysis of impact of surges and harmonics on the insulation of converter transformer	Ongoing
4	Shedbalkar K. S	Dr. D. S. More	Aug 2019	Development and Analysis of day ahead power forecasting technique for solar photovoltaic system	Ongoing
5	Mrs. Jadhav P. R.	Dr. D. S. More	Aug 2019	Optimization Technique based Load Scheduling in Customer Driven Microgrid"	Ongoing
6	Mrs. Chavan D. R.	Dr. D. S. More	Aug 2019	Low frequency electrical energy disaggregation in NILM using machine learning approach	Ongoing
7	Mrs. A. A. Dhamangaokar	Dr. R. P. Hasabe	Jan 2022	Smart Battery system for electric vehicle	Ongoing
8	Mrs. Y. N. Bhosale	Dr. R. P. Hasabe	April 2022	Effective relay co-ordination in hybrid distribution system	Ongoing
9	Mrs. M. M. Tamhankar	Dr. R. P. Hasabe	Jan 2023	Renewable Energy Supported Battery Charging Systems for Electrical Vehicle	Ongoing

Electronics Engineering Department

1	Miss Tejaswi Mahaling Jadhav	Dr.(Mrs.) Shraddha Sunil Deshpande	01/01/2014	Circular Polarization Planer Inverted-F Antenna using Reactive Impedance Surface	Ongoing
2	Mrs. Supriya Prashant Diwan	Dr.(Mrs.) Shraddha Sunil Deshpande	01/08/2016	Development of NMPC algorithm on FPGA using PSO for nonlinear fast dynamic systems	Ongoing
3	Mrs.Vilabha Sachin Patil	Dr.(Mrs.) Shraddha Sunil Deshpande	18/07/2016	Design of Control Mechanism for Power Saving with Configurable Architecture	Ongoing
4	Mr. Chanchal M. Patil	Dr. S. D. Ruikar	23/12/2017	Develop an algorithm with feature extraction using 3D DWT and CNN with depth information and contour map.	Ongoing
5	Mr. Shrenik Suresh Sarade	Dr. S. D. Ruikar	15/07/2019 (Not registered with University)	Development of Wide Band Massive Multi-Band MIMO Antenna for Millimeter Wave	Ongoing
6	Mr. Mirajoddin U. Inamdar	Dr. S. D. Ruikar	15/07/2019 (Not registered with University)	Design and development of an Intelligent Algorithm for Trust Management in M2M Communication towards IOT	Ongoing

Computer Science and Engineering Department

1	Parag P. Abhyankar	Dr. B. F. Momin	27/02/2012	Characterization Of Non-Vigilance of Individual or Mass Audience in Monotonous Environment	Ongoing
2	Deepali Akolkar	Dr. D. B. Kulkarni	1/7/2012	Data Analytics of very large Unstructured data on parallel platforms	Ongoing
3	Prashant M. Yelmar	Dr. B. F. Momin	25/2/2013	Development of Computational Framework for Social Network Analysis and Mining	Ongoing
4	Ms. Gitanjali S Salunkhe	Dr. D. B. Kulkarni	25/2/2013	Benchmark Validation and profiling of Heterogenous HPC Platform	Ongoing
5	Smt C A Laukar	Dr. P. J. Kulkarni	SU/PG/BUTR/PhD /5/	Efficient Classification of Scene Images using Semantic Approach	Submitted on December 2022

			8450/13 Nov 2014		
6	Suhel Sayyad	Dr. D. B. Kulkarni	1/1/2014	Design and development of parallel secure neural network learning in the cloud	Submitted on June 2022
7	Mrs. Arifa Javid Shikalgar	Dr. S. P. Sonavane	18/07/2016	Design and Development of Hybrid Deep Learning Computational Model for Dimensionality reduction of Heterogenous Data	Thesis Submitted 18 March 2023
8	Bhushan Sukumar Yelure	Dr. S. P. Sonavane	15/07/2017	Development of an Adaptive Intersection-based Routing protocol for Vehicular Ad-hoc Network	Submitted on 5 Jan 2023
9	Sangita Balkrishna Nemade	Dr. S. P. Sonavane	15/07/2017	Semantic Image Annotation Using Deep Learning	Submitted 18 March 2023
10	T I Bagban	Dr. P. J. Kulkarni	SU/PG/BUTR/10868 dt 27/1/2012 Reregistration 18.1.2018	Design and Analysis of a System for Template based clustering of web Pages	Submitted 19 Dec 2022
11	Siddheshwar Vilas Patil	Dr. D. B. Kulkarni	16/07/2018	Development of parallel algorithms for solving graph-theoretic problems	Submitted 18 March 2023
12	Priyanka Devendra Lanjewar	Dr. B. F. Momin	03/08/2018	Design and Development of Soft Set Based Algorithms for Machine Learning	Ongoing
Information and Technology Department					
1	Suhel Sayyad	Dr. D. B. Kulkarni	01/01/2014	Design and development of parallel secured neural network learning in cloud	Submitted on 3rd July 2023
2	Ms. Arifa Javid Shikalgar	Dr. S. P. Sonavane	18/07/2016	Design and Development of Deep Learning Computational for Dimensionality Reduction of Heterogeneous Data.	Submitted
3	Ms. Sangita B. Nemade	Dr. S. P. Sonavane	15/07/2017	Semantic Image Annotation Using Deep Learning	Submitted
4	Mr. Yelure Bhushan Sukumar	Dr. S. P. Sonavane	15/07/2017	Development of an Adaptive Intersection-based Routing Protocol for Vehicular Ad-hoc Network.	Submitted
Humanities and Science Department					
1	Mr.V.B.Girgaonkar -Kurne	Dr S.B.Joshi	01/07/2017	Study of certain subclasses of analytic and biunivalent functions.	Ongoing
2	Mr.Sangram Nalavade	Dr S.B.Joshi	01/07/2017	Study of the properties of subclasses of univalent functions.	Ongoing

2.2 IPR and Patents: Granted, Filed and Licensed:

Patents Filed

Title of Patent	Name of Faculty	Patent No.	Date of File
Smart solution for government offices using IoT	Mr. A. R. Surve	2019210337630	18.09.2019
Detection of crop diseases using image processing and atmospheric condition and suggesting remedy	Dr. M. A. Shah and Dr. B.F. Momin	201921038636	25.09.2019

An autonomous monitoring and smart rapid alert system to detect people not wearing masks in public areas	Mr. K P Kamble	20221016800	24.03.2022
Fractional Order PID Design Using Big Bang–Big Crunch Algorithm and Order Reduction: Application to Load Frequency Control in Hydro	Mr. Vijay Mohale, Mr. T. R. Chelliah, Mr. Yogesh. V. Hote	-----	Initial draft submitted to IITR(German Patent)
Deep Learning Based Framework for Automated Accident Detection of Vehicles Based on Multimodal Sensors	Mr. A.N. Inamdar	Appl. No.- 202341047266	13/07/2023
Handy Device and Process for Non-Destructive Identification of Devgad Alphonso Mango and Its Ripening Percentage	Dr. S. P. Sonavane	202121012895	24th March 2021
Water supply system for multistory buildings	Dr. R. R. Rathod	202121002937	21st Jan 2021
System And Method for Facilitating Verification of Academic Certificates Using Blockchain	Dr. S. P. Sonavane	202021035355	17th Aug 2020
A Method and a System For Identifying Frauds in an Electronic Voting Machine	Dr. S. P. Sonavane	201621008275	09th Mar2016
A Method For Vehicle Monitoring System Using Radio Frequency Identification (RFID) Based Data Acquisition System	Dr. A. J. Umbarkar	201821021439	08th June 2018
Process For Image Authorization, Authentication And Integrity Check	Dr. S. P. Sonavane	1120/MUM/2012	09th April 2012
Multiband MIMO Antenna	Dr. S. D. Ruikar	388415-001	15/06/2023

Patents Awarded:

Title of Patent	Name of Faculty	Patent No.	Date of Award
Fire Detection and Prevention Device	Mr. S. S. Karvekar	360656-001	12/05/2022
Design Patent on "Transformer Drying chamber"	Mr. V. P. Mohale, Mr. S.S. Karvekar, Dr. R.P. Hasabe, Mr. A. B. Patil	345392-001	16/07/2021
A method to estimate insulation resistance from residual moisture in a low power transformer	Mr. V.P. Mohale, Mr. S.S. Karvekar, Dr. R.P. Hasabe, Mr. A. B. Patil	E-12/979/2021/M VM	09/10/2021
Design Patent on "Smart Egg Hatching Machine"	Mr. V.P. Mohale, Dr. R. P. Hasabe"	346668-001	24/02/2022
A Method of Working of Vibration Isolation System using Phononic Material in a Structure	Pradeep Borde, Dr. S. B. Kadam, Dr.S. N. Tande, Mr. S. D. Jagtap, Mr. V. P. Mohale	202121001002	29/01/2021
A method to suppress vibration in a Civil Engineering structure using a 3-Dimensional Isolator.	Mr. R.R. Bamane, Dr. S.B. Kadam, Dr. P.H. Sawant, Dr. S.N. Tande, Mr. V.P. Mohale, Mr. B.N. Naik, Mr. S.D. Jagtap, Dr. A.P. Patil	2021104588	29/01/2021
Design Patent on "Electricity Meter testing device"	Mr. V.P. Mohale	350377-001	12/11/2021
Real-Time Temperature Monitoring System for Casting Plant	R.M. Chanmanwar, S.D. Jagtap, Mr.V.P.Mohale	202021050021	05/03/2021
A smart egg incubation system with gender identification and machine learning based automatic controlling	Mr. V.P. Mohale	202121033967	04/02/2022

A Control System and Method to Dampen SSO in Variable Speed Pumped Storage Units Connected with Extra High Voltage Transmission Lines.	Vijay Mohale, Thanga Raj Chelliah and Yogesh V. Hote	Appl. No. 202211069377	19/05/2023
An Electromagnetic Attachment for (EDM) Electro Discharge Machining Patent	Prof. Dr. U.A. Dabade Dr. A.S. Bhandare Mr. M.M. Ghayatadak	202221027543	27/05/2022
A method to suppress Vibration in a Civil Engineering Structure using a 3- Dimensional Isolator	Mr. S, D. Jagtap, Mr. B. N. Naik and Dr. A. P. Patil	Patent 20211045887	11 May 2022
A System for turning Vehicle with minimum turning radius	Prethamesh Dhoke, Shirrang Chavan	Patent No. 408778	11 October 2022
Non-Destructive Method For Generating Description Of Mango And Device There Of	Dr. S. P. Sonavane	2021103379	9 th March 2022
Process for Image Authorization, Authentication and Integrity check	Dr. S. P. Sonavane	1120/MUM/2012	7 th Feb 2023
An IoT based System for Security and Door Access Control.	Dr. P. K. Kharat	2021100346	20 th Jan 2021
Patent on treatment for domestic wastewater	Dr. P.G. Sonavane	386442	Renewal

Faculty successfully completing courses from foreign universities/NPTEL/SWAYAM:

Sr. No.	Name of the Faculty	Title of the Course	Date of Completion	Name of University
1	Mr. P.A. Mane	Manufacturing Processes- Casting and Joining (Online NPTEL Course)	6 October 2022 (4 Weeks Course)	IIT Kanpur
2	Prof. P.A. Mane	Accreditation and outcome based Learning (Online NPTEL Course)	16 November 2022 (2 Months)	IIT Madras
3	Prof. P.A. Mane	Electric Vehicles- Part-1 (Online NPTEL-AICTE Course)	January-February 2023 (4 weeks)	IIT Madras
4	Dr. R. R. Rathod	GIS & GNSS (Self-paced course)	Jan-June 2023	NPTEL
5	Mrs. B. S. Shetty	Java Programming	Jan-April 2023	NPTEL
6	Mrs. M. S. Dabade	Software Testing	Jan-Feb 2023	NPTEL
7	Mrs. N. S. Babar	AI and Deep Learning with MATLAB	4 July 2023	Udemy Online Courses
8	Dr. B. N. Jamadar	NITTT - Module 1 - Orientation Towards Technical Education and Curriculum Aspects	February 2023	AICTE
9	Dr. B. N. Jamadar	NITTT - Module 2 - Professional Ethics & Sustainability	February 2023	AICTE
10	Dr. B. N. Jamadar	NITTT - Module 3 - Communication Skills Modes & Knowledge Dissemination	February 2023	AICTE

2.3 Footprint of Projects and Professional Practices:

Research Projects Completed by the faculty in the last five years

Year wise	Name of the project	Funding agency/ Industry	Grant Received Rs. Lakhs
A. College Funded Minor Projects			

Year wise	Name of the project	Funding agency/ Industry	Grant Received Rs. Lakhs
2019-20	Real Time Smart Alert Generation System for not wearing mask in high-risk public areas	WCE	01.60
2021-22	Spraying Pesticides via Drone	WCE	0.8
2018-19	Development of Certified Training Centre of Siemens Automation and Drives Lab Consisting of i) S7 1200 PLC information Technology HMI System- 6 No's ii) SINAMICS, 6RA80 Information Technology information Technology DC Motor- 01 No's SINAMICS G120 Information Technology Information Technology AC Motors- 04 No's	TEQIP- III	33
2020-21	Cold Room	TEQIP-III Seed funding	4.00
2020-21	1. Embedded System Design of "Low cost Ventilator Design". 2. Design of Control system hardware, PCB, fabrication, Embedded Software and on site testing of Misting Tunnel Design of automatic soap + water dispenser hardware, fabrication, enclosure design and fabrication, testing and completions of 25 prototypes for installation in our college.	Seed fund under TEQIP-III	2
2022-23	AQ monitoring by MPCB for the period January 2023 to December 2023	MPCB	16
2022-23	FIST proposal entitled "Servo Hydraulic Loading Frame System with Pseudo Dynamic Test Arrangement for grant of Rs. 1.03 Crore accepted and sanctioned on 5/3/2021 by the DST, by Dr. S. B. Kadam and Dr. S. N. Tande	DST-FIST2020	103
B. Other agencies - National and International (Major Projects)			
2016-19	"Intelligent Cognitive Vision Support for an Independent Lifestyle of Elderly People"	Department of Science and Technology (DST)	17.29
2019-20	"Smart Surveillance for WCE Campus"	TEQIP – III	0.0551293
2013-17	Performance comparison of Wavelet, Neural and Time domain Reference Current Extraction (RCE) strategies for Power Quality Improvement using Distribution static Compensator (DSTATCOM) based on VSI inverter in dynamic and steady loading conditions.	AICTE	15.66
2015-19	RGSTC-TIFAC MSME Internship Programme in Maharashtra at Walchand College of Engineering , Sangli	RGSTC-TIFAC, Mumbai	3.48
2019-20	"Utilization of OFF-Grid solar Photovoltaic energy for the wireless charging of electric vehicles"	NPIU, New Delhi,	14.69
2016-17	Learning Factory	AICTE	43.00
2016-17	Temperature monitoring system (Smart Ladder system) for foundry	RGSTC-TIFAC, Mumbai	2.95
2017-18	Wireless Real-Time Temperature Monitoring System for Foundry Application	RGSTC-TIFAC, Mumbai	2.95
2017-18	Design and Development of Hybrid ORC System	RGSTC-TIFAC, Mumbai	2.95
2018-19	Design and Development of Hybrid water cooler	RGSTC-TIFAC, Mumbai	2.95

Year wise	Name of the project	Funding agency/ Industry	Grant Received Rs. Lakhs
2019-20	Health Monitoring of Old Railway Bridges	RGSTC-TIFAC, Mumbai	2.95
2019-20	Development of Bi-Nozzle 3D Printer	Dassault Systems Foundation	1.00
2019-20	Farmbot	Dassault Systems	2.19
2020-21	Floating Solid Waste Collection System	Dassault Systems	3.00
2018-19	Dr. V. B. Dharmadhikari - Margadarshan Grant	AICTE, Delhi	19.8

Ongoing Research Projects

Year wise	Name of the project	Funding agency/ Industry	Grant (Rs. Lakh)
A. College Funded Minor Projects			
2013-16	Wastewater treatment by aerobic and anaerobic SBR	Seed fund under TEQIP-II	3.00
B. Other agencies - National and International Minor Projects			
2020-21	Installation of Servo Hydraulic Loading Frame System with Pseudo Dynamic Test Arrangement	DST-FIST ,New Delhi	103
2020-21	Study on Seismic Strengthening Technologies and Comparative Assessment of various Retrofit Techniques for URM School Buildings in India	DST-FIST ,New Delhi	130
C. Industry sponsored Minor Projects			
2021-22	Farmer Connect App - Mobile Application	Fresh Express Logistics Pvt Ltd	--
2021-22	Employee Attendance and Payroll Management	Fresh Express Logistics Pvt Ltd	--
2021-22	Farmer Connect App – Database + Web Portal	Fresh Express Logistics Pvt Ltd	--
2022-23	Farmer Connect App	Fresh Express Logistics Pvt Ltd	--
2022-23	Employee Attendance and Payroll Management	Fresh Express Logistics Pvt Ltd	--
2008 onwards	Air Monitoring	MPCB	9.53 per annum

Research Grants Received

Agency/Year	2018-19	2019-20	2020-21	2021-22	2022-23
AICTE	19,80,000	-	-	-	-
DST	-	8,23,588	-	49,87,500	-
MPCB	8,34,225	5,10,750	6,81,000	9,73,164	9,53,701
CDTP	12,00,000	-	-	-	-
TEQIP-II	2,22,04,015	3,71,31,021	-	-	-
BRNS	-	-	-	-	-
Total	2,62,18,240	3,84,65,359	6,81,000	59,60,664	9,53,701

Details of Testing and Consultancy:

Department	2018-19	2019-20	2020-21	2021-22	2022-23
Civil+APM	95,80,163	1,26,10,589	1,36,07,467	1,12,18,123	1,47,26,860
Mechanical	8,89,451	9,52,404	3,30,575	17,65,691	8,72,407
Applied Mechanics	-	-	-	-	-
Electrical Engineering	3,64,281	3,68,100	13,80,274	2,56,363	7,08,583
Computer Sci. &Engineering.	33,170	8,23,088	93,974	1,52,672	-
Information Technology	5,706	48,351	49,181	1,990	8000
Public Health	4,72,928	7,09,406	1,41,966	1,14,544	16,92,767
Admission	15,255	19,365	22,995	14,000	9000
Total	1,13,60,954	1,55,31,303	1,56,26,432	1,35,23,383	1,80,17,617

Interdisciplinary & Collaborative Research

Department	Collaboration with	Area of Research
Civil Engineering	Maharashtra Pollution Control Board, Mumbai	Air quality and noise monitoring in Sangli
Mechanical Engineering	BARC, Mumbai, Danfoss	Raisin making process and technology development

Electronics	John Deere	Agricultural & Automotive Research
C S & Engineering	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 rainwater harvesting system and development of package inline treatment	Implemented in college campus
Treatment for domestic wastewater	Implemented in staff quarter
Low cost and Energy Efficient Building Designs	Application of Filler slabs, Stabilized Mud Blocks, Composite Beam-panels roofs for residential buildings in and around Sangli
Research on black cotton soil towards reduction of flooring distortions	Flooring distortion minimizing on GF when plinth filling is done on BC soil available at site
Embedded System Design	Automotive and agricultural applications
High Performance Computing	Platform for algorithm testing

Faculty Achievements in last Five Years

Name of faculty	Prize/Award received	Organization/Institute	Year
Civil Engineering Department			
Dr. P.G. Sonavane	Excellent paper award	Received IconSWM-Springer excellent paper award 2017 at 7 th International Conference on Solid Waste Management	2017
Dr. G.R. Munavalli	Best paper award in First International Conference on Energy and Environment: Global Challenges March 09 & 10, 2018	Dept., of Chemical Engineering, NIT Calicut	2018
Dr. G.R. Munavalli	Best paper award National Conference Recent Trends in Engineering and Technology (NCRET]	Sharad Institute of Technology, Yadrav	2018
Dr. G.R. Munavalli	Best paper award in National Conference	National Conference on Advancement and Innovations in Civil Engineering, Shimoga	2019
Dr. G.R. Munavalli	Best paper award 4 th International conference on Materials, Mechanics and Management, College of engineering Trivandrum (IMMM2020)	College of Engineering Trivandrum (IMMM2020)	2020

Dr. G.R. Munavalli	Delivered 35 guest lectures as resource person in FDP, STP, and STTPs	Different colleges	2016
Dr. V.S. Patil	Appointed as a journal reviewer titled American Journal of Engineering and Applied Sciences, A multidisciplinary, Scopus indexed and UGC approved journal with H-index 45.	Journal of Engineering and Applied Sciences, A multidisciplinary, Scopus indexed and UGC approved journal with H-index 45	11 Nov. 2021
Mr. P.K. Deshpande	Invited and honoured as a chief guest in Karad Architects and Engineers Association's Engineer's Day Programme	Karad Architects and Engineers Association's Engineer's	15 Sept. 2021
Dr. R.S. Desai	Received UGC grant for Participation in Int. Conference by Elsevier at Spain	Elsevier at Spain	3-9 Sept. 2018
Dr. R.S. Desai	NPTEL recognises you as an "NPTEL Stars" - "NPTEL_BELIEVERS"	NPTEL Participant	2020
Dr. K.S. Gumaste	Best paper award 4 th International Virtual conference on Recent Trends in Engineering & Technology	Vishwakarma Institute of Information Technology (VISHWACON2021)	2021
Dr. K.S. Gumaste	Dr. K.S. Ghumaste	BLDE Association Standard Operating Procedures	2019
Dr. K.S. Gumaste	Member of Research Advisory Committee (SUK) for scrutiny of Ph.D. in Civil Engineering	Shivaji university	2017 to till date
Dr. P.G. Sonavane	chaired technica; session VI, operation and maintenance of water & wastewater system on 21.01.2023 at 55th IWWA annual convention at Pune	55 th Annual Convention 2023, Indian Water Works Association (IWWA), Organized by IWWA Pune Centre	20-22 Jan., 2023
Dr. K.S. Gumaste	Chief Guest and Key Note Lecture on 'Embodied Energy in Construction Materials-An Approach to Sustainable Buildings' in the two week AICTE sponsored ATAL-FDP on Sustainable Construction - Issues, Challenges and Technological Developments in Decarbonization	College of Engineering Technology, Vijayapura, Karnataka,	27 Feb- 3 March 2023
Dr. G.R. Munavalli	Chairperson, Board of Studies in Civil Engg., and Technology, SUK	Shivaji university	2022 Onwards
Mechanical Engineering Department			
Dr. D. S. More, Prof. A.U. Paranjpe	Design and Development of Hybrid Tandom Driven Tricycle, SAE NIS Effi-cycle 2017 at Jalandhar.	SAEINDIA	2017-18
Dr. D. S. More, Prof. A.U. Paranjpe	E-Baja 2018 competition, at Natrax Pithampur Madhya Pradesh, 1. Winner in Sales and Marketing Presentation 2. Winner in Sled Pull test 3. Best New Driver 4. Second place in Engineering Design Evaluation Second place in lowest cost evaluation	SAEINDIA	2017-18
Prof. Dr. U.A. Dabade and Prof. A.S. Bhandare	Patent filing on the name of Institute Faculty & student. M.Tech Project related work	IPR	2018-19
Prof P.A. Mane, Prof. V. V. Dhende	ISIE – IKR 2018-19 MSME, FMSCI (Ministry of Sports) Buddha International Circuit Greater Noida (UP) India 1. Overall Runner Up Rs. 30,000/- & Trophy 2. Best Design Award Rs. 10,000/- & Trophy	MSME, FMSCI (Ministry of Sports)	2018-19

	Team Spirit Award Trophy		
Dr. D. S. More, Prof. A.U. Paranjpe	Design and development of Efficient Electric Driven Tricycle to present in EFFI-CYCLE' 18 SAE NIS. 1. Cleared the technical inspection Overall 6 th rank	SAEINDIA	2018-19
Prof. A.U. Paranjpe, Prof. Dr. D. S. More	SAE BAJA 2019 Virtuals Conducted round, Chitkara University, Chandigarh	SAEINDIA	2018-19
Prof. A.U. Paranjpe, Prof. Dr. D. S. More	SAE M-BAJA vehicle at BAJA SAE 2019 organized by SAE India, Ropar, Chandigarh 1. 4 th position in cost evaluation Within first 6 teams in design evaluation	SAEINDIA	2018-19
Dr. S.U. Sapkal	Meritorious Prize for Ingenious Application of CAD/CAE/3DP practices from NAFEMS Conference 2018	NAFEMS	2018-19
Dr. S.U. Sapkal and R.M. Chanmanwar	First Prize for Academic Research Project from IMTEX2019 Academia Pavilion, Bengaluru	IMTEX	2018-19
Dr. S.U. Sapkal	Elite+Silver and Topper certificate from NPTEL Course on Design for Quality, Manufacturing and Assembly, IIT Madras	IIT Madras	2019-20
Dr. S.U. Sapkal	Elite+Gold and Topper certificate from NPTEL Course on Engineering Metrology, IIT Kanpur	IIT Madras	2019-20
Dr. S.U. Sapkal	Jury Member of Internal Smart India Hackathon 2020 at WCE Sangli	WCE Sangli	2019-20
Dr. S.U. Sapkal and Dr. K.H. Inamdar	ASME Faculty advisor: Team of 3 students won first prize in Biomimicry Design Challenge; and One student won second prize in the competition OLD GUARD oral presentation at ASME E-FEST 2020	ASME	2019-20
R.M.Chanmanwar and Nikita Nagmoti	EFFI-CYCLE' 19 organized by SAE NIS in advance format and ranked 7 th overall	SAEINDIA	2019-20
Dr. D. S. More and Prof. Amar Paranjape	Design and development of All terrain eBAJA vehicle, M-BAJA 2019 organized by SAE INDIA, Chandigarh	SAEINDIA	2019-20
Dr. N. D. Pawar	Ph.D. completion at IIT, Delhi (Sr. No. 2013mez8471)	IIT, Delhi	2019-20
Dr. S. V. Gaikwad	Ph.D. completion at IIT, Roorkee under Q.I.P. award of this Degree (Enrolment No.:14920005)	IIT, Roorkee	2019-20
R. M. Chanmanwar	Certificate of appreciation to be a guide for a project FATBot- autonomous field bot which was amongst the top 100 projects display to industries under ConnectNext national conference organised by La foundation dassault systems	La foundation dassault systems	2020-21
Mr. A. B. Admuthe	NPTEL Swayam Online Course on Student Psychology, NITTTR Chennai	NITTTR Chennai	2020-21
Mr. R. M. Chanmanwar	EFFI-CYCLE' 20 organized by SAE India in virtual format; awards won: 1. Overall AIR 8 th rank 2. AIR 5 th in Technical Inspection, Design CAE, DVP and DFMEA reports. 3. AIR 8 th in B plan and cost evaluation. AIR 4 th in Organizing committee review	SAEINDIA	2020-21
Dr. A.P. Patil	Ph.D. completion at IIT, Roorkee under Q.I.P	IIT Roorkee	2021-22

Dr. B. S. Gawali	Co-author of "Best presenter award" (General session 10) winning research paper in the CPESE- 2021 conference Japan (online) organized by Fukuoka Institute of Technology, Fukuoka, Japan	Fukuoka Institute of Technology, Fukuoka, Japan	2021-22
Dr. M.M. Khot and Dr. D.A. Patil	M-BAJA 2021, Hyderabad organized by SAEINDIA awards won: 1. First prize in Final Endurance 2. Best in fuel economy Second prize in Acceleration test.	SAEINDIA	2021-22
Prof. B. N. Naik	Approved name as Engineering Teachers for mentoring by INAE Fellows, INAE Governing Council	INAE	2021-22
Dr. U. A. Dabade	Reviewer for Peer reviewed International Journal "Advances in Mechanical Engineering"	Advances in Mechanical Engineering	2021-22
Prof. Dr. U. A. Dabade	Reviewer for National Conference on "Advances in Science, Engineering and Technology for Sustainable Development (NCASETSD-2022)	Government College of Engineering, Karad	2021-22
Dr. K. H. Inamdar	Reviewer for National Conference on "Advances in Science, Engineering and Technology for Sustainable Development (NCASETSD-2022)	Government College of Engineering, Karad	2021-22
Dr. S. U. Sapkal	Nomination on Board of Studies in Mechanical Engineering and Technology under the Faculty of Science and Technology	Shivaji University Kolhapur	2022-23
Electrical Engineering Department			
Dr. R. P. Hasabe	Worked as a Jury Member	Smart India Hackathon (2022)	2022
Mr. S.S. Karvekar	Worked as a Jury Member	Smart India Hackathon (2022)	2022
Mr. V P. Mohale	Best Paper Award	ONCON IEEE	2022
Dr. M.M. Waware	Selected as Joint Secretary	UGC New Delhi	2022
Mr. V P. Mohale	Best Poster Award	Institute Research Day, IIT Roorkee	2022
Mr. A B. Patil	All India Topper Rank & Gold Card with score 99.38	NPTEL Course on Fuzzy Logic systems and Applications.	2021
Dr. R. P. Hasabe	Worked as a Jury Member	Smart India Hackathon (2020)	2020
Mr. S.S. Karvekar	Worked as a Jury Member	Smart India Hackathon (2020)	2020
Dr. R. P. Hasabe	Working as a Board of Studies members in Electrical Engineering and Technology	Shivaji University, Kolhapur.	2018
Dr. D. S. More	Working as a Board of Studies members in Electrical Engineering and Technology	Shivaji University, Kolhapur.	2018
Electronics Engineering Department			
Mr. N. V. Marathe	Shikshak Tadnya/ committee member for school Curriculum revision NEP 2020	NEP 20	2023
Dr. S. G. Tamhankar	Sub-committee member for Engineering Curriculum revision NEP 2020	NEP 20	2023
Mr. N. V. Marathe	Invitee as a speaker	IEEE Bombay section, IBSYWLC'23	2023

Computer Science and Engineering Department			
Dr B F Momin	Awarded PhD to two students under guidance of Momin sir	Shivaji University	2019-20
Dr B F Momin	Setup the "ZiMetrics Advanced Data Analytics Lab" through CSE Alumni	---	2020-21
Dr N L Gavankar	Awarded PhD	IIT, Roorkee	2018-19
Dr M A Shah	Awarded PhD	Shivaji University	2018-19
Ms S S Rokade	Copyright awarded on "Blockchain based healthcare application to preserve and maintain scalability"	---	2019-20
Ms A S Pawar	Received Third prize in NVIDIA GPU Computing Codeathon 2022	VIT, AP and NVIDIA Deep Learning Institute	2021-22
Mr A R Surve	appointed by MHT-CET cell and DTE as DLO (District Liaison Officer) for conducting MHT-CET examination of entire Sangli district.	---	2021-22
Mr A R Surve	appointed by MHT-CET cell and DTE as DLO (District Liaison Officer) for conducting MHT-CET examination of entire Sangli district.	---	2022-23
Dr N L Gavankar	Contributed as Session Chair at ICET-2022	DBATU, Lonere	2021-22
Dr N L Gavankar	Contributed as reviewer at International Conference on Innovations in Computer Science, Electronics and Electrical Engineering 2022	ADCET, Ashta	2021-22
Mr M K Chavan	Worked as a reviewer for Gartner Peer and reviewed Extreme networks devices.	---	2022-23
Mr M K Chavan	ISEA Certified Cyber Hygiene Practitioner	ISEA Programme by Ministry of Electronics and Information Technology (MeitY) GoI	2022-23
Mr A R Surve	Awarded PhD	Shivaji University	2022-23
Information and Technology Department			
Dr. S. P. Sonavane	50 Fabulous Edutech Leaders	World Education Congress	2019
Dr. A. J. Umbarkar	Star NPTEL, Believer	NPTEL, SWAYAM	2021
Dr. R. R. Rathod	Star NPTEL, Believer	NPTEL, SWAYAM	2021
Mr. M. B. Narnaware	Topper In Course	NPTEL	2021
Dr. P. K. Kharat	Member of Management Council, Senate & Standing Committee	Shivaji University Kolhapur	2022
Dr. R. R. Rathod	Elected as CDC member	WCE Sangli under Shivaji University Kolhapur	2023
Dr. U. B. Chavan	Nominated as BOS for Computer sc & Engineering	Shivaji University Kolhapur	2023
Humanities and Science Department			
Dr. B. N. Jamadar	Ph.D. Degree	P. A. H. Solapur University, Solapur	2021-22

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 & Placement cell.
- **Financial Assistance**
 - 50% UG (State Government) and 100% PG students (Central Government)
- 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 to other academic institutes, corporate, business houses
 - **Participation** in paper presentation, project competition, quiz contest organized by other institutes
 - **Student transfer** program.
 - **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:

Result analysis of 2022-23:

Class	Department	AY 2022-23 (Before Re-Exam)				
		Pass	ATKT	Fail	Total	% of Passing
First Year B. Tech.	Civil	23	25	22	70	68.57%
	Mechanical	26	20	21	67	68.66%
	Electrical	29	26	12	67	82.09%
	Electronics	39	21	7	67	89.55%
	CSE	69	28	14	111	87.39%
	IT	47	17	5	69	92.75%
Second Year B. Tech.	Civil	29	34	16	79	79.75%
	Mechanical	33	29	15	77	80.52%
	Electrical	29	29	21	79	73.42%
	Electronics	54	19	5	78	93.59%
	CSE	69	44	11	124	91.13%
	IT	41	31	5	77	93.51%
Third Year B. Tech.	Civil	47	5	30	82	63.41%
	Mechanical	58	12	4	74	94.59%
	Electrical	45	17	11	73	84.93%
	Electronics	60	10	5	75	93.33%
	CSE	88	18	10	116	91.38%
	IT	59	13	5	77	93.51%
Final Year B. Tech.	Civil	68	0	15	83	81.93%
	Mechanical	74	0	9	83	89.16%
	Electrical	63	0	18	81	77.78%
	Electronics	74	0	7	81	91.36%
	CSE	112	0	15	127	88.19%
	IT	49	0	31	80	61.25%

GATE Toppers (All India Rank Less Than 5000):

Sr. No.	Candidate Name	Branch	All India Rank
01	Siddhesh Tulashiram Walve	Mechanical	30
02	Rohan Vikrant Pawar	Electrical	429
03	Manjunath Madavalli	Electrical	1417
04	ROHAN VIKRANT PAWAR	Electrical	2304
05	Chetan Dattatray Pulake	IT	2501
06	Sanket Arun Pawar	Electrical	3459
07	Kapil Ganesh Marathe	Electrical	4189
08	Salil Hanuman Kulkarni	Electrical	5263
09	Vaibhav Pratap Sutar	Electrical	5476
10	Vaishnavi_Sambhaji_Desai	Electrical	5908

11	Maithili Sakhawalkar	CSE	6322
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CAT Toppers (More Than 80%):

Sr. No.	Candidate Name	Branch	Percentile
01	Raje Akash	Mechanical	99.84
02	Akhilesh Atul Patki	CSE	96.23
03	Hemang Pandya	Electrical	94.73
04	Ms. Rucha Mangalvedekar	Civil	93
05	Sanraj Gandhi	Civil	84
06	Akansha Sonje	Civil	80

GRE Toppers (More than 300):

Sr. No.	Candidate Name	Branch	Marks
1	Utkarsh Patil	Civil	302

3.3 Combined Percentage for Placement, Higher Studies and Entrepreneurships:**Placement Details 2022-23 (7th July 2022 – 7th June 2023)**

Sr. No.	Company	Salary in LPA	No of Offers
1	Morgan Stanley	25.67	1
2	Druva Inc.	20.1	14
3	Deutsche Bank	19.7	11
4	GUPSHUP Technologies	18	1
5	NVIDIA	18	4
6	Cadence*	18	2
7	Espressif*	17	2
8	Sahaj Softwares	16.3	12
9	BIZOM Mobisy	16	1
10	Veritas India	15.75	9
11	Media.net	15.67	0
12	Pubmatic Inc.	15	9
13	Turtlemint	15	4
14	Medline Industries	15	2
15	ForcePoint ONE	14.75	1
16	BMC Softwares	14.5	5
17	ForeScout	13.04	4
18	Aspect Ratio*	13	3
19	Siemens Digital Industries Software*	12.75	20

20	ThoughtWorks	11.3	15
21	Publicis Sapient	10.5	4
22	Principal Global services	10.5	2
23	Nihilent Technologies	10	3
24	Rackware Technologies	10	8
25	Bakers & Huges*	10	11
26	Cummins India*	10	1
27	Thornton Thomasetti*	10	4
28	ST Telemedia	10	5
29	Signify/Cooper lightening Solutions*	9.91	15
30	Seagate*	9.5	2
31	JSW Group*	9.5	3
32	Schneider Electric*	9.5	4
33	T-Systems	9	9
34	TCS Research & Innovations	9/11	4
35	Whirlpool*	9/12	8
36	Sincrodigital Pvt. Ltd.	9	4
37	Applied Materials*	9	2
38	Accolite Digital	9	0
39	Oracle Financial Services Software	8.81	10
40	Mindbody Inc.	8.8	6
41	Dassult Systems*	8.5	7
42	MortgageKart Ltd.	8.5	6
43	AFour Technologies	8.01	13
44	Plug Power*	8	6
45	Nice Systems Ltd.	8	20
46	Eaton Corporation*	7.9	16
47	Josh Software	7.87	7
48	Greaves Cotton*	7.5	7
49	Petrofac*	7.5	7
50	ABS Software	7.5	3
51	Centiro	7.42	4
52	TCS Digital	7.25	3
53	BOSCH Ltd*	7 / 5	21
54	Aquatech Engineers*	7	1
55	Sensata Technologies*	7	6

56	FIAT India*	7	2
57	Hindustan Uniliver Ltd.*	7	2
58	L & T Limited*	6.75	10
59	Atlas Copco GECIA*	6.5	12
60	Aker Solutions*	6.5	12
61	Smith's Detection*	6.5	6
62	Black & Vetch*	6.5	2
63	Emerson Innovation Center*	6.5	12
64	Technimont*	6.5	1
65	LTI	6.5/4	3
66	Crane Technologies*	6.5	1
67	Adani Group of Companies*	6.5	3
68	Infosys	6.25	5
69	Aquachill Systems India Pvt. Ltd.*	6	1
70	Xperate Systems	6	2
71	Siemens Ltd*	5.6	9
72	Bakers & Huges*	5.6	6
73	Galaxy Surfactants*	5.6	2
74	Siemens Technology Pvt. Ltd.*	5.6	5
75	WorleyParsons Limited*	5.5	4
76	Thyssenkrupp*	5.5	15
77	Cognilogix	5.5	1
78	Hella Automotive*	5.5	6
79	Schindler*	5.5	0
80	Toyo Engineering*	5.5	5
81	Persistent	5.01	2
82	Precon*	5	2
83	Krista Softwares	5	2
84	Atlas Primary	4.5	3
85	Tata Consultancy Engineering (TCE)*	4.5	26
86	Praj Industries*	4.5	1
87	Accenture	4.5	5
88	Kalpataru*	4.5	1
89	Hindustan Construction Company*	4	5
90	Cognizant	4	33

91	Shapoorji Pallonji*	4	6
92	GIC India*	4	8
93	Godrej & Boyce*	3.5	2
94	Prism Joshson*	3.5	3
95	TCS Ninja	3.36	62
96	Cryso*	3	2

Internship Details 2022-23

Sr. No.	Company	Internship Stipend	No of Offers
1	Aspect Ratio	1,06,400	3
2	Bakers & Huges	45,000	8
3	Siemens Digital Industries Softwares	42,400	19
4	BMC	40,000	5
5	Gupshup Technologies	40,000	1
6	NVIDIA	40,000	4
7	Applied Materials	35,000	2
8	Cadence	35,000	2
9	Schneider Electric	35,000	4
10	TurtleMint	35,000	4
11	Sahaj Softwares	32,000	12
12	Veritas Technlogies	32,000	9
13	Afour Technologies	30,000	12
14	Espressif	30,000	2
15	Forcepoint	30,000	1
16	ForeScout	30,000	4
17	MortgageKart	30,000	5
18	Seagate	30,000	2

19	Bosch	25,000	7
20	Principal Global	25,000	2
21	Pubmatic	25,000	8
22	RackWare	25,000	8
23	Siemens Adventa (STSPL)	25,000	3
24	Whirlpool	25,000	3
25	Emerson Innovation Center	22,000	9
26	Medline Industries	22,000	2
27	Centiro Digital Softwares	20,000	4
28	Druva Software Solutions	20,000	14
29	GIC	20,000	3
30	Mindbody	20,000	4
31	Nice Systems	20,000	20
32	Sensata	20,000	6
33	Signify Cooper	20,000	15
34	Sincrodigital	20,000	3
35	TCS Research and Innovations	20,000	4
36	Dassault Systemes	18,000	5
37	Eaton	18,000	4
38	Plug Power	15,000	6
39	Cognizant	12,000	21
40	Hella Automotive	12,000	6
41	ABS Softwares	10,000	1
42	Aquachill	10,000	1
43	Atlas Copco	10,000	11
44	Josh Software	10,000	6

Total Offers	275
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Placement Summary B. Tech	
Total No. of offers	609
Total No. of Students Placed - B. Tech	427
Total Dream Offers	182
Average Salary of B. Tech (LPA)	9.38 LPA
Median Salary of B. Tech (LPA)	8.0 LPA
Total Internship Offers	275

Placement Summary M. Tech	
Total No. of offers	44
Total No. of Students Placed	41
Total Dream Offers	3
Average Salary of M. Tech (LPA)	7.94 LPA
Median Salary of M. Tech (LPA)	6.75 LPA
Total Internship Offers	13

Branch wise Placement (B. Tech)					
Sr. No.	Branch	Enrolled	Placed	Placement %	Avg. Salary (LPA)
1	Computer Science	116	109	93.97	12.65
2	IT	77	70	90.91	11.46
3	Electronics	76	70	92.11	9.08
4	Electrical	76	62	81.58	7.33
5	Mechanical	74	68	91.89	7.25
6	Civil	50	48	96.00	4.91
Total		469	427	91.04	9.38

Branch wise Placement (M. Tech)					
Sr. No.	Branch	Enrolled	Placed	Placement %	Avg. Salary (LPA)
1	Computer Science	4	3	75.00	10
2	Electronics	5	2	40.00	6.5
3	Power System	4	3	75.00	6.5
4	Mech Design	14	8	57.14	7.9
5	Civil Structure	23	22	95.65	8.1
6	Environment	10	3	30.00	6.5
Total		63	41	65.08	7.94

DREAM RECRUITERS



IT RECRUITERS



CORE RECRUITERS



Our Recruiters

CORE COMPANIES



IT COMPANIES



DREAM COMPANIES



Our Proud Alumni

SN	Alumni	Position
1	Mrs. Leena Nair	Global CEO, Chanel
2	Prof. A. V. Patki	Ex Director, ISRO, Bangalore
3	Dr. R. A. Katti	Ex Head, Thermal Systems, ISRO Bangalore
4	Late Dr. S. D. Awale	Ex-VC, Dr Ambedkar Tech. Univ., Lonere
5	Dr. P. A. Kulkarni	Ex-VC, Sikkim-Manipal Univ., Sikkim
6	Shri. V. S. Prabhu	Vice Chairman, BSES, Mumbai
7	Shri. Adi Engineer	Vice Chairman, Tata Power, Mumbai
8	Shri. Alim Chandani	Chairman, Stup Consultant, Mumbai

9	Shri. Rajas Doshi	CMD, Indian Hume Pipes Ltd., Mumbai
10	Dr. S.G. Joshi	Joshi Technologies Inc, Columbia, USA
11	Shri. M. N. Navale	Founder Trustee, Sinhgad Tech. Ed. Soc.
12	Shri. Vishwas Sapkal	Indian Ambassador to Armenia, High commissioner at Fiji
13	Shri. B. Raheja	Eminent Builder, Mumbai.
14	Deepak Shikarpurkar	President, Computer Society of India
15	Mr. B.V. Aradhya	Ex Director, ISRO Ahmadabad
16	Shri B.R. Lanka	CEO, 3dPLM Division

3.4 Extra-Curricular Activities and other Achievements:

Officially the Sports Club was formed in the month of September 2022 and since then several students from our college have taken part into various sports including Football, Badminton, Chess, Swimming, and many other sports. About 125+ students actively participated in 10+ different games and have bagged many positions. Following are the recent achievements:

1. Football:

Staff Advisor Dr. A.P. Patil

Team Captain: Atharva Kaypalwad, Vice-captain: Yash Pujari)

- Position Secured: 3RD Place (Zonal)
- Selected for Inter-Zonal Tournament
- Team secured place in Zonal Tournament after 15 years of wait.



2. Swimming:

Staff Advisor- Dr. A.K. Mali

Positions secured in Zonal Tournament:

Girija Dodmani:

- 50m back stroke-1st
- 100m back stroke-2nd
- 200m back stroke-2nd
- 50m free style-2nd
- 100m free style-2nd

Pradhi:

- 200m free style-2nd
- 800m free style-2nd
- 50m back stroke-3rd
- 100m back stroke-3rd
- 50m butterfly-2nd
- 100m butterfly-2nd
- 200m butterfly-2nd
- 200 IM-2nd

Vinit Patil:

- 50m freestyle-2nd
- 100m freestyle-2nd
- 400m freestyle-1st
- 50m back stroke-3rd
- 100m back stroke-2nd
- 50m breast stroke-3rd
- 100m breast stroke-2nd
- 50m butterfly-2nd
- 100m butterfly-2nd
- 200m IM-2nd

Overall Rank Secured: Runner-Up



3. Badminton:

Staff Advisor- Dr. P.K. Kharat

Men's: Position Secured: 3rd Place

Women's: Position Secured: 2nd Place



4. Chess:

Staff Advisor-Mr.S.S. Karvekar

Zonal Tournament:

Players in men category:

1. Abhijeet Sambhaji Bilpe
2. Nishad Umesh Bagade
3. Ashish Ashok Sutar
4. Rahul Dashrath Khairmode

Player in women category:

1. Vaishnavi Yuvraj Kanse

Our college has **won the championship** scoring highest 26 points in the tournament and in individual performances Abhijeet Bilpe scores 6/7 points secured 1st rank in men category, Nishad Bagade scores 6/7 points secured 2nd rank in men category, Ashish Sutar scores 6/7 points secured 3rd rank in men category, Rahul Khairmode scores 5/7 points secured 9th rank in men category and Vaishnavi Kanse scores 3/4 points secured 5th rank in women category. From this tournament top 4 players from each category are selected for Interzonal chess tournament which will be held in Y C mahavidyalaya Islampur on 3rd and 4th November 2022.



Further Abhijeet Bilpe got selected for Nationals.



Along with the performance for University Level Matches Under the guidance of WCE Sports Club Staff Advisor – Dr .B.N. Jamadar and ECAC chairperson – Prof. A.R. Surve. Number of initiatives were taken to increase the participation of students in Sports. The events were Led by the club President – Atharva Kaypalwad supported the CLUB members.

ACSES (Association of Computer Science and Engineering Students)

List of major activities Conducted during year 2022-23

Sr. No.	Activity	Date/s
1.	Genesis	3 August 2022
2.	Main Board Interviews and Declaration	23 September 2022
3.	Antarika 2022	1 October 2022
4.	Club Service : Enhancing your Projects	4 November 2022
5.	Assistant Board Interviews and Declaration	12 November 2022
6.	CSE Parichay 2022 : Introductory Session for FE Students	16 November 2022
7.	General Interest Meet : Exordium 2022	23 November 2022
8.	Codefusion : Monthly Coding Contests	At any dates in between 21 – 30 of Every month
9.	DSE Assistant Member Board Interviews and Declaration	23 January 2023
10.	CPP Bootcamp 2023	4 and 5 February 2023
11.	Weekly Blogs on Social Media • Inner Working of Web • Blockchain Technology • Artificial Intelligence	Weekly Duration
12.	Guest Session: Hands on Jira Software under TRANSCEND initiative	10 February 2023
13	TECHUMEN: Annual National Level Symposium and Mega event conducted by ACSES with more than a thousand participants competing each year	22 and 23 April 2023

Glimpse of Mega Event: TECHUMEN-23



National Level Event entitled as TECHUMEN 23 consisted of 4 Events, out of which 2 were Technical and 2 were Non-Technical, they were: Compile It, Webnatic, ELIPTAS, and Puzzle Vault. It was sponsored by FinIQ. One thousand students participated.

The organizing committee of this event included WCE ACSES Team, Utkarsha Sutar - Secretary ACSES, Karan Purohit – President ACSES, Dr. A. R. Surve – Staff Advisor and Chairperson ECAC.

ACSES has undertaken this initiative under their guidance for the betterment of young generation in terms of programming, technology & acquiring professional skills.



Codechef WCE Chapter

List of major activities Conducted during year 2022-23

Sr. No.	Activity	Date/s
1.	CP Cookbook	12 November 2022
2.	Code Arena	14 December 2022
3.	GIM	30 December 2022
4.	Main Board Interviews and Declaration	26 January 2023
5.	STL Bootcamp	5 April 2023
6.	Monthly Coding Contests	Monthly Duration
7.	Coffee with chef event: <ul style="list-style-type: none"> • Speakers : Students who got placed in reputed companies • Speaker : Ganesh Kasar 	20 March 2022 and 25 April 2022

COOKBOOK 2023:

Codechef COOKBOOK is organized by Club covering all topics needed for doing Competitive Programming. We are covering topics from beginners like Time and Space complexity, Searching Sorting to advanced concepts of Dynamic Programming. Codechef organized this event to increase problem solving skills and spread awareness Competitive Programming in WCE campus.



ELESA (Electronics Engineering Students' Association)

List of major activities Conducted during year 2022-23

Sr. No.	Activity	Date/s
1.	Meraki: The monsoon special event for developing overall skills of participants.	4-14 August 2022
2.	Seed Sowing Program	6 August 2022
3.	Club Service: Resume Writing	29 August 2022

4.	Teachers' Day 2022	5 September 2022
5.	Placement Talks	16 September 2022
6.	Building Digital Circuits: Technical Workshop	1 October 2022
7.	Coding Contest	30 October 2022
8.	GIM 2022: General Interest Meet	16 November 2022
9.	ELECTROVERT '22-23: International Level Technical Event. Mega-Event of ELESA	26-27 November
10.	Club Service: Time Management	8 February 2023
11.	FE Coordinator Board Interviews	14-15 February 2023
12.	Scavenger Hunt: (FE special Event) & Declaration of Coordinator Board	17 February 2023
13.	Coding Contest	30 March 2023
14.	FE Event: 1 st Event of Coordinator Board	5 April 2023
15.	Club Service: IoT in Electronics	13 April 2023
16.	Arduino Workshop	18-19 April 2023
17.	Roboholic 2023: Robot Making Competition	27-28 April 2023

Glimpse of Mega Event: ELECTROVERT '22-23



ELECTROVERT is an International Level Technical Event organized by Electronics Engineering Students' Association (ELESA). ELECTROVERT was conducted this year on 26 and 27 November, 2022. The two days of the weekend were engaged for the same. This mega event comprised 8 sub-events and each event was awarded with a prize money. Here are some specifications of the event.

Dates of Event: 26 and 27 November 2022

Total Number of Participants: Around 1500 from over 55-60 different colleges

Total Sub Events: 8 sub-events

Prize Money: 1 Lakh Rupees (Sponsored by Title Sponsor FinIQ)

Chief Guest For Inauguration Ceremony:

Mr. Uday Kshirsagar (Founder and Managing Director of Spitzten Energy Solutions (India) Pvt. Ltd. Pune.

Chief Guest for Prize Distribution Ceremony:

Mr. Vivek Kulkarni (Managing Director of Ramkrishna IT consulting Pvt LTD, Pune.)

Prof. R. G. Mevekari, Staff Advisor of ELESA supported us to carry out this event smoothly. Also, thanks to Prof. Dhaygude Sir and the TPO, WCE for the sponsorship.

GDSC (Google Developer Students Club)

List of major activities Conducted during year 2022-23

Sr. No.	Activity	Date/s
1.	Core Board Declaration	17 August 2022
2.	Orientation Meet	7 September 2022
3.	Executive Board Declaration	16 September 2022
4.	Android Compose Camp	19-22 September 2022
5.	Club Service: Github Workshop	28 September 2022
6.	Hacktoberfest	1 October 2022
7.	Geographic Information System	16 November 2022
8.	General Interest Meet	19 November 2022
9.	GCCP Program	23 November 2022
10.	Flutter Bootcamp	13-27 February 2023
11.	Lets Talk – Sahaj Hackathon	30 March 2023
12.	Club Service: Introduction to Machine Learning	12 April 2023

Glimpse of FLUTTER BOOTCAMP 2023:

Flutter Bootcamp 2023 was organized with an aim to get a head start on Androids journey with Flutter Framework. It consisted of 7 sessions which covered basic to some advanced concepts. It was sponsored by Billionaire Burger and Canteen Katta. 150 students participated in every session.

The organizing committee of this event included WCE GDSC Team, Nimit Chattoo – Lead GDSC, Dr. N.L. Gavankar – Staff Advisor and Dr. A.R. Surve – Chairperson ECAC.

WCE GDSC conducted this free of cost activity under global GDSC with an aim to introduce App Development to Freshers and kickstart their development phase.



MESA-MESC (Mechanical Engineering Students' Association - Mechanical Engineering Students' Chapter)

List of major activities Conducted during year 2022-23

Sr. No.	Activity	Date/s
1.	Seed Sowing Program	6 August 2022
2.	Main Board Interviews and declaration	17 August 2022
3.	GUEST LECTURE - Careers and Trends in Design Industry	24 August 2022
4.	Teachers' Day 2022	5 September 2022
5.	Assistant Board Interviews and declaration	21 September 2022
6.	Orientation 2022	29 September 2022
7.	Club Service: 3D printing	3 November 2022
8.	Weekly Activity: Fun Friday	Weekly Duration

9.	GIM : M'EXPLORE	16 November 2022
10.	Induction Program	17 November 2022
11.	GIM : M'EXPLORE 2.0	1 December 2022
12.	GUEST LECTURE - Career Opportunities in Defence Services	18 December 2022
13.	Assistant Board Interviews and declaration (for DSY Students)	19 January 2023
14.	Club Service : Airless tyres and Accidental inventions	2 February 2023
15.	School Event : Introduction to World of Engineering	11 February 2023
16.	Alumni Meet 2023	8 April 2023
17.	Mega Event : VERTEX' 23	14-15 April 2023

Glimpse of Mega Event: VERTEX' 23



The top photograph shows the inauguration ceremony of VERTEX' 23. A stage is set with a large screen displaying 'Welcome Inauguration Ceremony of VERTEX' 23' and 'Discovering Talent, Exploring Intelligence Building Your Future through Symposium'. Several people are seated at a long table on the stage, and a podium is visible on the right.



The bottom photograph shows a large group of students and faculty members gathered for a prize distribution ceremony. They are standing in rows on a stage, holding certificates or awards. A banner in the background reads 'PRIZE DISTRIBUTION'.

It all began in 2006, when the Department of Mechanical Engineering in WCE Sangli, came up with an idea that students must develop good managerial, leadership and technical skills. It was then that the concept of VERTEX was established. Since then, the ever-growing support of all our sponsors as well as authorities of our college and the Department of Mechanical Engineering, and most importantly, the response and feedback of participants has today made VERTEX a well-known technical symposium all over Maharashtra. The seed sowed in 2006, continued flourishing year by year. MESA-MESC arranges VERTEX every year in order to help students test their various skills in a healthy competition. On 14th and 15th April 2023, the MESA-MESC successfully organized the mega event VERTEX '23.

PACE (Personality Advancement Circle of Engineers)

List of major activities conducted during year 2022-23

Sr. No.	Activity	Dates
1.	Chief and Joint board interview and declaration	7 October 2022
2.	Induction Programme and Campus tour	4 November 2022
3.	General Interest Meet: Aclivus	17 November 2022
4.	Meetup-The way Ahead	29 November 2022
5.	DSY students interview for Joint board and declaration	21 January 2023
6.	(PACE Aptitude Test) PAT	31 Jan and 1 Feb 2023
7.	Standout	11 and 12 Feb 2023
8.	Assistant Board Declaration	17 April 2023
9.	Corporate Social Responsibility (CSR)	21 April 2023
10.	Meetup- Interstellar	12 June 2023

Glimpses of STANDOUT-23:



Standout is an annual FE special event. Standout-23 was based on the theme Youth Anusandhan. It consisted of 4 rounds where the Freshers got an opportunity to explore their soft skills.

Sponsors: Velvet bags, Devashri, Salerno's pizza, Caffe Choco craze, 7 Avenue Family mart.

Organizing committee:

Siddi Hagawane- President

Yash Bokadia- VP

Ranjit Dahigude- Secretary

Mr. A. B. Patil- Staff Advisor

Dr. A. R. Surve - Chairperson ECAC

PACE took the initiative under their guidance to help in the betterment of the personalities of the students.

Rotaract Club of WCE, Sangli

List of major activities Conducted during year 2022-23

Sr. No.	Activity	Date/s
1.	Main Board Interviews and Declaration	16 June 2022
2.	General Body Meets	Every Wednesday
3.	Assistant Board Interviews and Declaration	20 August 2022
4.	Installation Ceremony	11 September 2022
5.	Blood Donation	24 November 2022
6.	General Interest Meet	30 November 2022
7.	The Youth Seminar	23 and 25 January 2023
8.	Community service avenue's Event : Uddharedatma (under karmayog)	25 January 2023
9.	Gramoday (Street play at Budgaon)	18 February 2023
10.	Blood Donation	3 March 2023
11.	FE Orientation meet	28 March 2023
12.	Righteous Rendezvous: Mega Event	29 and 30 April 2023

Glimpse of Mega Event: Righteous Rendezvous



Mega Event Under International Service Avenue entitled as "**Righteous Rendezvous**". It was two days event organized by Rotaract Club Of WCE, Sangli on 29 and 30 April 2023. here are more specifications of events:

Date: 29 and 30 April 2023

Sub-Events: 3 (Decades of change, Project Margin Matrix, International Crisis Conference)

Decades of change: It was shortlisting activity in which participants have to draft letter to head of country for giving solutions on problems which they are facing now.

Project Margin Matrix: Ministries of various countries were given with some amount and they have to finalize budget for their allocated countries



International Crisis Conference: Representative of countries and participants were discussing about problems which were neglecting human rights of local people so by discussion they have to find way to protect human rights.

SAIT (Students Association of Information Technology)

List of major activities Conducted during year 2022-23

Sr. No.	Activity	Date/s
1.	Poster Making competition	4 July 2022
2.	Assistant Board Interviews and Declaration	18 September 2022
3.	Teachers’ Day Celebration	21 September 2022
4.	Club Service : Web 3.0	27 September 2022
5.	Club Service : Databases	19 October 2022
6.	Club Service : Mobile Technology	12 November 2022
7.	FE Orientation Meet	16 November 2022
8.	Tech Talk 5.0	02 December 2022
9.	General Interest Meet : Abhinav	21 January 2023
10.	Club Service : Web Technology	07 February 2023
11.	Computer Networks Workshop	18 February 2023
12.	Member Board Interviews and Declaration	23 February 2023
13.	TECHFUSION: Annual National Level Mega event conducted by SAIT	30 March-4 April 2023

Glimpse of Mega Event: TECHFUSION-23



The TECHFUSION 23 was the National Level Event organized by SAIT. It had six engaging events, featuring four technical and two non-technical events. The event drew the participation of more than a thousand students.

Cloudverse- Cloud Computing workshop with a hands-on AWS session.

TechTune- Hardware workshop demonstrating the ins and outs of computer hardware. It was accompanied by a session on cybersecurity.

CodeDuet- Pair coding competition consisting of three challenging rounds.

CodeCrush- An online coding competition which attracted a large number of participants from various parts of the nation,

Podium- Non technical competition focused on improving the public speaking and general knowledge of participants. It consisted of two rounds based on civil services exams.

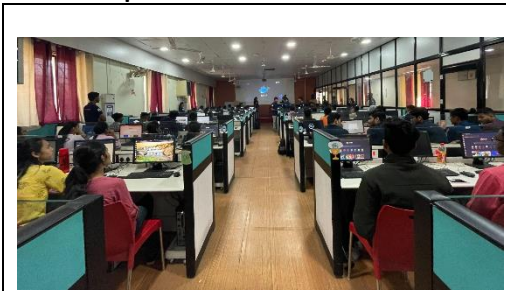
	Bid to Build- IPL auction simulation where participants got to test their cricket knowledge and sense of judgment.
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WLUG (Walchand Linux Users' Group)

List of major activities conducted during year 2022-23

Sr. No.	Activity	Dates
1.	Linux File Management	15 July 2022
2.	LinuxDiary 3.0	3 and 4 September 2022
3.	Hadoop	15 September 2022
4.	Internet and Wireshark	29 September 2022
5.	MongoDB and Replication	10 October 2022
6.	Open Source Day	3 and 4 December 2022
7.	Python Community Meetup	24 and 25 December 2022
8.	Metamorphosis 2k23	28 and 29 January 2023
9.	HTTP Cookies	2 February 2023
10.	Intro to Linux	23 February 2023
11.	TechnoTweet	29 April 2023

Glimpses of Metamorphosis 2k23:

	<p>Metamorphosis is a national event of Walchand Linux Users' Group. This event focused on open source technologies such as Docker and GoLang. The motto behind this event was to make students aware of the open source technologies which are being currently used in industry.</p>
	<p>Organizing committee: Dnyaneshwari Kolapkar- President Krishnacharan Bhola- Vice-president Ritesh Wanave- Secretary Akshata Gawande- Secretary Dr. A. J. Umbarkar - Staff Advisor Dr. A. R. Surve - Staff Advisor</p>

EESA (Electrical Engineering Students' Association)

List of major activities Conducted during year 2022-23:

Sr. No.	Activity	Date/s
1.	Club Service: Initium	30 July 2022
2.	Farewell of former Chief Board (Bon Voyage)	31 July 2022
3.	Seed Sowing Program	6 August 2022
4.	Club Service: NOVUM	18 August 2022
5.	EESA Talk	29 August 2022
6.	EESA Logo Design Contest	4 September 2022
7.	Confluence	17 and 18 September 2022

8.	Club Service: Venidero	18 September 2022
9.	Tree Plantation	2 October 2022
10.	Treasure Hunt	18 October 2022
11.	General Interest Meet: ENTHUSIA	16 November 2022
12.	Club Service: FACTUM	30 November 2022
13.	Club Service: VIDEN	8 February 2023
14.	Club Service: Prakshepan	29 March 2023
15.	Unacademy Session	30 March 2023
16.	Mega Event: TECHNOCRAT	15–16 April 2023
17.	Farewell (Chief Board)	20 May 2023
18.	Full Board Declaration (2023-24)	29 May 2023

Glimpse of Mega Event- TECHNOCRAT



TECHNOCRAT is a state level technical symposium arranged by Electrical Engineering Students' Association (EESA). This event is organized each year with the focus to give students irrespective of their departments and colleges a biased platform to showcase their skills and a chance to share their ideas such a state level summit. Events are designed in such a way that their technical knowledge will be helpful to apply this knowledge in practical life.

Technical: Circuit, Vishwa Navinya

Academic: Aavhan

Non-Technical: Clueminati, Udaan

The organizing committee of this event included WCE EESATeam

Mr. Atique Pathan – President, EESA

Mr. Pratik Bhagwat – Vice President, EESA

Dr. A. R. Surve – Chairperson, ECAC

Mr. A.B. Patil – Staff Advisor, EESA

WCE ACM (Association for Computing Machinery) Student Chapter

List of major activities Conducted during year 2022-23

Sr. No.	Activity	Date/s
1.	DSA Launchpad	7 November 2022
2.	Main Board Interviews and Declaration	14 November 2022
3.	General Interest Meet 2022 : Synanto	18 November 2022
4.	Assistant Board Interviews and Declaration	10 December 2022
5.	ACM Talk 7.0	23 December 2022
6.	ACM Talk 8.0	8 January 2023
7.	Member Board Interviews and Declaration	17 January 2023

8.	ACM Talk 9.0	3 February 2023
9.	Jagruti 2023: Jagruti is a program organized for women empowerment on the occasion of Women's Day	15 March 2023
10.	WCE Hackathon 2023 : National level Hackathon	16 March 2023
11.	Club Service: Database and SQL	13 April 2023

WCE Hackathon'23 was conducted jointly by WCE ACM Student Chapter, Innovation Incubation and Entrepreneurship Cell and Department of CSE; Sponsored by Sakal, Dukaan, Siemens, and FinIQ.

The official launch of WCE Hackathon'23 was held on 10 February 2023. Round 1 of WCE Hackathon'23 was online abstract submission. Total registration received more than 750.

Total 25 teams participated for the onsite Hackathon. These teams competed for continuous 24 hours to innovate. Build and deploy their ideas.

The Valedictory function took place on 17th March. Honorable Sanjay Kaka Patil, I/C Director Dr. U.A. Dabade, Dr. M.A. Shah, Dr. B.F. Momin, Dr. P.K. Kharat, Prof Narayan Marathe,, were present for the function.



WCE ART CIRCLE

List of major activities Conducted during year 2022-23

Sr. No.	Activity	Date/s
1.	Flash mobs under "SAVE SOIL" program	2 July 2022
2.	Prize Distribution Ceremony of "Thayi Thai Vithai"	26 July 2022

3.	Seed Sowing Program	6 August 2022
4.	Independence Day 2022	15 August 2022
5.	Inauguration of "Kalasadan"	25 August 2022
6.	Ganesh Utsav	31 August - 5 Sept. 2022
7.	Dandiya Night 2k22	30 September 2022
8.	Jotirgamaya (online Competition)	22 October 2022
9.	"Run for Unity" -National Unity Day	31 October 2022
10.	"Deepotsav 2k22"	7 November 2022
11.	Social Service Activity at Pathak Anathashram Miraj	13 November 2022
12.	National Integrity Day	19 November 2022
13.	General Interest Meet 2K22	25 November 2022
14.	Street Play under SMKC	4 December 2022
15.	Mood Indigo 2K22 - Participation	26 December 2022
16.	Membership Auditions (for FY and DSY)	21 January 2023
17.	"Walk for Voter" awareness program	25 January 2023
18.	Republic Day 2022	26 January 2023
19.	Yuvarang 2K23	25 and 26 February 2023
20.	Alumni Meet 2023 (Cultural program)	8 April 2023
21.	Maharashtra Din	1 May 2023

Glimpse of Mega Event: Yuvarang 2K23



4. OUTREACH AND INCLUSIVITY

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

Activity Conducted:

Name of Event	Details of Event	Name of Event Coordinator	Date of Event
Civil Engineering Department			
AutoCAD Workshop	AutoCAD training Workshop	Dr. K. S. Gumaste Mr. S.M. Wandare	5-6 November 2022
Seminar on Understanding Research-A Research Scholars Perspective, For M. Tech Students	A Research Scholars Perspective, For M. Tech Students	Dr. K. S. Gumaste	21 st January 2023
AAKAR2K23	Technical Event for Students	Dr. A. K. Mali	18 th -19 th March 2023
Celebration of World Water Day	Expert Lecture	Dr. G. R. Munavalli	22 nd March 2023
Guest lecture on Journey of Concrete and need of new age building materials	Journey of Concrete and need of new age building materials Shri. Udaysingh Bisen Shri. Narendra Kehalkar Ms. Aditi Bobade Ultratech Cements	Dr. A. K. Mali	23 rd March 2023
Teacher parents Meet	Teacher parents Meet	Dr. A. K. Mali Mr. Anmol Magdum	17 th April 2023
Webinar on Design Techniques of Ultra high- Performance Concrete.	Webinar on Design Techniques of Ultra high- Performance Concrete. Shri. Nabodyuti Das, Research Scholar, Dept., of Civil Engg., IIT Bombay	Dr. A. K. Mali	26 th April 2023
MIDAS Civil Training Program for M. Tech and B. Tech Civil Engineering students	Training Program for M. Tech and B. Tech Civil Engineering students	Dr. Prachi Sohoni	13 th to 15 th April 2023
Guest Lecture on Ethics among Engineering Students	Shri. Guruprasad Kolhatkar IT Professional	Dr. G. R. Munavalli, Mr. Anmol Magdum	26 th April 2023
Electronics Engineering Department			
2 Day offline workshop on "Embedded Web Server and IoT Technology with Hands on sessions"	Organized by Electronics department for Third year B. Tech. and M. Tech. Students.	Mrs. M. R. Khare, Dr. Mrs. A. A. Agashe,	24-25 Feb 2023
One Day online workshop on "Network Simulator for Communication Application"	Organized by Electronics department for UG, PG and faculty members.	Dr. Mrs. A. A. Agashe Dr. S. D. Ruikar Dr. S. G. Tamhankar	17 March 2023
One Day Workshop on "Artificial Intelligence and Machine Learning"	Organized by Electronics department for SY B. Tech. Students.	Dr. Mrs. A. A. Agashe Ms. S. U. Patil	13 April 2023
"BYTE BATTLE 8051" An 8051 Based Application Design Competition.	Organized by Electronics department on Micro-controller programming.	Mr. S. R. Khedkar	2 - 4 May 2023
"EMBEDDEDTHON", A Mini Hackathon on Embedded Systems Design	Competition was Organized by Electronics department on ARM7 LPC2148.	Mr. S. R. Khedkar	26 December 2023
Electrical Engineering Department			

Two days Industrial Training Program OPAL-RT	Organized by Electrical department, WCE Sangli	Dr. R.P. Hasabe Mr. S.S. Karvekar	Feb 2023
One Week Industrial Training Program on Industrial Atomization, IOT, solar technology, PLC-SCADA (basic), Machine design and EV system	Organized by Electrical department, WCE Sangli	Dr. R.P. Hasabe Mr. S.S. Karvekar	Feb 2023
Computer Science and Engineering Department			
Workshop	2 Days Workshop on Drone Technology by Rahul Patle	Mrs A M Chimanna	5 – 6 Sep 2022
Workshop	2 Days Workshop on Parallel Programming using accelerators by Dr Nileshchandra Pikle	Dr Mrs M A Shah Ms A S Pawar	5 – 6 Nov 2022
Hackathon	WCE Hackathon 2023	Dr Mrs M A Shah Dr B F Momin	Mar 2023
Information and Technology Department			
Workshop	Visual Analytics with Rubiscape Data Science Platform	Dr. A. J. Umbarkar	14 - 15 Dec. 2022
Workshop	Parallel Computing	Dr. D. B. Kulkarni	2 June 2023
FDP	HPC (Hybrid mode) under NSM-TCS	Dr. D. B. Kulkarni Dr. U. B. Chavan	26-30 July 2023
CoE Inauguration	Rubiscape CoE on AI and DS inauguration	Dr. A. J. Umbarkar Dr. R. R. Rathod	14 Dec 2022
Humanities and Science Department			
Counseling Session for Hostel Students	Conducted as a In charge of Counseling Session for Hostel Students (D5, D6, D7 & Cyber) at Walchand College of Engineering, Sangli.	Dr. B. N. Jamadar	29/01/2023
One day workshop on Industrial Mathematics	Organized by department of H and s in association with IIE cell at WCE Sangli	Mrs R.S. Janagond Dr S.B. Joshi Mrs. V.B. Girgaonkar	21/2/2023

Guest Lectures Organized by Faculty:

Name of Faculty	Place	Subject	Date of Lecture
Mechanical Engineering Department			
Mr. P.A. Mane	Production Seminar Hall, Mech Engg Dept, WCE Sangli	Webinar on MBA Preparation for Engineers	24 July 2022
Prof. P.A. Mane and Dr. S.V. Gaikwad	Design Seminar Hall, Mech Engg Dept., WCE Sangli	Webinar on Careers in Design Industry	24 August 2022
Prof. J. M. Dabir	Class Room 2 Academic Complex, WCE Sangli	Lecture on Critical path Networks- Principles of resource Scheduling for course Project management	24 August 2022
Prof. Dr. B.S. Gawali & Prof. J. M. Dabir	Production Seminar Hall, Mech Engg Dept, WCE Sangli	Lecture on Study at RWTH Aachen University, Germany	24 August 2022
Prof. J.M. Dabir	Academic Complex, Classroom 1, WCE Sangli	Database warehousing, Information retrieval, Data	12 April 2023

Prof. Dr. U. A. Dabade, Mr. S. P. Nevagi	Academic Complex, Classroom 1, WCE Sangli	Webinar on "AVIX-The industrial Office", A software to reduce MUDA, by Mr. Faisal Shaikh, Founder and CEO, Factories of Future	20 October 2022
Prof. J. M. Dabir	IT Department CCF, WCE Sangli	Hands-on Lab session on Softwares/IT tools in project management	30 November 2022
Prof. J.M. Dabir	Academic Complex, Classroom 1, WCE Sangli	Database Management system, Data Modelling	12 April 2023
Civil Engineering Department			
NA	WCE	Clean air for blue skies on the theme Air we Share	07 Sept 2022
NA	WCE	Emerging trends in Construction Technology	24 Nov 2022
NA	WCE	Water Proofing Techniques for damaged water tank	17 Jan 2023
NA	WCE	Understanding Research –A research scholar's perspective	21 Jan 2023
Computer Science and Engineering Department			
Mr A R Surve	WCE Sangli	Git and GitHub	18 Oct 2022
Dr N L Gavankar	WCE Sangli	Expert Session on Applications of GIS	16 Nov 2022
Mr A R Surve Mrs A M Chimanna	WCE Sangli	Hands on JIRA Software by Ms. Shweta Rathod	10 Feb 2023
Mr A R Surve Mrs A M Chimanna	WCE Sangli	Expert Session on Version Control and Software Engineering Tools by Ms. Supriya W Patil Alumnus of WCE Sangli, 2018 Batch, PhD Scholar at IIIT Nagpur.	28 Mar 2023
Mrs M A Shah	WCE Sangli	Expert Session on Cloud Computing by Sameer Patil, Asst. Professor, KIT Kolhapur.	31 Mar 2023
Mr A R Surve	WCE Sangli	Expert Session on "OS: Process Synchronization, Deadlock Challenges and its Generic Use Cases" by Ms. Amruta Khot Application Developer at Fujitsu India, Alumna of WCE, Sangli.	15 April 2023
Mrs A M Chimanna	WCE Sangli	Expert Session on "Human Computer Interaction and interface design" by Dr P J Kulkarni, Retired Professor, WCE Sangli.	17 April 2023
Information and Technology Department			
Dr. R. R. Rathod	WCE	IPR- SY-IT	28 April 2023
Dr. A. J. Umbarkar	WCE	System Call	11 April 2023
Mrs. B.S. Shetty	WCE	Web Development and application.(html)	March 2023
Dr. P. K. Kharat & M. G. Rathi	WCE	Computer Networks Workshop	16-17 Feb 2023
Ms. M. S. Dabade	WCE	Problem & Pipelining	18 April 2023
Ms. M. S. Dabade	WCE	SR & FD Testing tools & Fault detection	21 April 2023
Dr. R. R. Rathod	WCE	Basics & Project Time Cost Management	12 Nov. 2022 3 Dec. 2022
Dr. R. R. Rathod	WCE	PHP Programming	1 Oct. 2022

Dr. R. R. Rathod	WCE	Project management – B. Tech IT	12 Nov 2022
Dr. R. R. Rathod	WCE	Project management – B. Tech IT	03 Dec 2022
Ms. B. S. Shetty	WCE	DMPG	March 2023
Ms. B. S. Shetty	WCE	Data Structure	20 Dec 2022
Dr. R. R. Rathod	WCE	ICC Meeting-Introducing GIS Subject	25 Aug. 2022
Dr. A. J. Umbarkar	WCE	File System	Oct 2022
Mr. M. G. Rathi	WCE	Cloud Computing	09 Sept. 2022
Dr.U.B. Chavan	WCE	OpenGL	Oct 2022
Humanities and Science Department			
K.V. Madhale and A.A. Powar	WCE	Era of Nanotechnology By Dr. Kiran Shejale South Korea	9 May 2023

Events Attended by Faculty:

Name of Event	Details of Event	Name of Faculty	Date of Event
Civil Engineering Department			
55 th Annual Convention 2023, Indian Water Works Association (IWWA)	Organized by IWWA Pune Centre	Dr. G.R. Munavalli Dr. P.G. Sonavane	20-22 Jan. 2023
One Day Symposium on 'Charting the Path to a Trillion-dollar Real Estate Industry by 2030	Real Estate Symposium at NICMAR University Pune	Dr. K.S. Gumaste Mr. Anmol Magdum	19 Nov. 2022
Mechanical Engineering Department			
Metal Additive Manufacturing (MAM)	One Week GIAN course, Dr. B R Ambedkar National Institute of Technology Jalandhar	Dr. S.U. Sapkal	12 December 2022
7 th National Level online Faculty development program	7 Days, Faculty development program, by S.E.S. College Sreekandapuram	Dr. U.A. Dabade	18-25 January 2023
7 th National Level online Faculty development program	7 Days, Faculty development program, by S.E.S. College Sreekandapuram	Dr. K.H. Inamdar	18-25 January 2023
7 th National Level online Faculty development program	7 Days, Faculty development program, by S.E.S. College Sreekandapuram	Dr. S.U. Sapkal	18-25 January 2023
7 th National Level online Faculty development program	7 Days, Faculty development program, by S.E.S. College Sreekandapuram	Dr. Sharad Gaikwad	18-25 January 2023
7 th National Level online Faculty development program	7 Days, Faculty development program, by S.E.S. College Sreekandapuram	Dr. M.M. Khot	18-25 January 2023
Dynamics and control of mechanical, Electrical and Robotic Systems through Matlab	Centre for Intelligent Cyber physical Systems and TIH IIT Guwahati Technology Innovation & Development Foundation	Dr. M.M. Khot	18-22 February 2023

Orientation towards Technical Education and Curriculum Aspects	National Initiative for Technical Teachers Training	Prof. R.M. Chanmanwar	1 April 2023
Professional Ethics and Sustainability	National Initiative for Technical Teachers Training	Prof. R.M. Chanmanwar	1 April 2023
2 days workshop on "Teaching Learning Interventions for professional Excellence and Better Learning Experience"	NICMAR Pune	Dr. K.H. Inamdar	27-28 April 2023
Intensive Training Programme	Maharashtra state Faculty Development Academy, Vishwakarma University Pune	Dr. Prof. S.U. Sapkal	15 May -19 May2023
Electrical Engineering Department			
NITTT Module 1 Orientation Towards Technical Education and Curriculum Aspects	FDP	Mrs. A.S. Karvekar Mr. S. S. Karvekar Dr. R. P Hasabe	Sept 2022 to Feb 2023
NITTT Module 2 Professional Ethics and Sustainability	FDP	Mrs .A.S. Karvekar Mr. S. S. Karvekar Dr. R. P Hasabe	Sept 2022 to Feb 2023
Two Days Sensitization training on "Idea to Enterprise"	FDP	All Faculty members	19-20 Jan 2023
National level Online Faculty Development Program on Outcome Based Education (OBE)	Online FDP	Mr. S.S. Karvekar Mrs. M.M. Tamhankar	18-25 January 2023
Workshop on Industrial Mathematics	FDP	Mrs. M.M. Tamhankar Mrs. A.S. Karvekar Mr. V.S. Sathe	21 st Feb 2023
One Week Short Term Training Program on "Electrical CAD Design"	STTP	Mr. A.N. Inamdar	26 th June to 1 st July 2023
FDP on Devops Engineering	FDP	Mr. A.N. Inamdar	4 th Feb 2023
Online Short-Term Course on " Machine Learning & Deep Learning"	Online-STTP	Mr. A. B. Patil	29 May to 02 June 2023
two day workshop related to Research and Development activities, Internship for Students jointly organized by DTE, Maharashtra and IIT Bombay	Workshop	Mr. S. S. Karvekar	12-13 May 2023
One-week FDP on IDEA Lab	FDP	Dr. R. P. Hasabe	29 May to 02 June 2023
5 Day Online STTP on "EV charging Technology and Infrastructure Development"	Online-STTP	Mrs. A. A. Dhamangaonkar	30 March to 3 April 2023
Two Days Industrial Training Program on "OPAL-RT"	STTP	Mrs. A. A. Dhamangaonkar	19-20 Feb 2023
Dynamics and control of mechanical, electrical and robotic systems through MATLAB	STTP	Mr. A. B. Patil	18-22 Feb 2023
FDP on innovative pedagogical practical practices in higher education	FDP	Ms. S. L. Shaikh	13-17 March 2023
5 Day Online STTP on "Power Electronics and Drive System"	STTP	Mr. A. N. Inamdar	03-07 April 2023
Electronics Engineering Department			
One week online FDP on "VLSI Design and Nano Electronics: Challenges and Opportunities"	PDPM Institute of Information Technology, Jabalpur	Mr. S. K. Parchandekar	1 st to 8 th September 2022
"Research opportunities and challenges"	Department of	Dr. S. D. Ruikar	27 th September

in Nano- Electronics and Advanced Communication Systems”	Electronics Engineering, NIT Uttarakhand		to 1 st October 2022
Two Days Sensitization Training on “IDEA TO ENTERPRISE”	Innovation, Incubation and Entrepreneurship, WCE Sangli	ALL	19 th and 20 th January 2023
7 Day National Level Online Faculty Development Program on “Outcome Based Education” (OBE)	S.E.S College, Sreekandapuram	Dr. S. D. Ruikar	18 th to 25 th January 2023
Faculty Development Program- DevOps Engineering	PHN Technology Private Limited	Mrs. M. R. Khare	4 th February 2023
Workshop on Industrial Mathematics	Mathematics Dept, WCE Sangli	M. R. Khare S. U .Patil	21 st February 2023
Demo of Installation of Netsim software for IoT	{new purchased software in Electronics Dept}	Mrs. M. R. Khare	17 th March 2023
Implementation of Academic Bank of Credit for all the universities and autonomous colleges in Maharashtra	Bombay	Mr. R. G. Mevekari	17 th March 2023
E-Yantra symposium on Bridging gap between Design and Engineering	IIT, Bombay	Mr. R. G. Mevekari	5 th and 6 th April 2023
“Learning and Teaching for Professional Excellence and an Enhanced Student Experience”	Academic Practice Directorate (APD), NICMAR University, Pune	Dr. S. D. Ruikar	27 th and 28 th April 2023
Artificial Intelligence and Machine Learning”	Dr. Mrs. Minakshi Pradeep Atre, PVG COE Pune	M. R. Khare	13 th April 2023
Computer Science and Engineering Department			
NPTEL + Workshop	Workshop on Java Programming	Mrs S A Aitwade	6 -10 Dec 2022
7 Day National Level Online FDP on Outcome Based Education (OBE)	organised by S.E.S College, Sreekandapuram in association with KSHEC	Ms S S Rokade	18 – 25 Jan 2023
7 Day National Level Online FDP on Outcome Based Education (OBE)	organised by S.E.S College, Sreekandapuram in association with KSHEC	Mrs S A Aitwade	18 – 25 Jan 2023
1 Week National Level Online FDP on Outcome Based Education (OBE)	organised by the IQAC of JPM Arts and Science College, Kanchiyar, Idukki in association with ipsr solutions limited, Kottayam	Dr N L Gavankar	16 – 22 Feb 2023
1 Week National Level Online FDP on Outcome Based Education (OBE)	organised by the IQAC of JPM Arts and Science College, Kanchiyar, Idukki in association with ipsr solutions limited, Kottayam	Dr M A Shah	16 – 22 Feb 2023
1 Week National Level Online FDP on Outcome Based Education (OBE)	organised by the IQAC of JPM Arts and Science College, Kanchiyar, Idukki in association with ipsr solutions limited, Kottayam	Ms N L Mudegol	16 – 22 Feb 2023

1 Week National Level Online FDP on Outcome Based Education (OBE)	organised by the IQAC of JPM Arts and Science College, Kanchiyar, Idukki in association with ipsr solutions limited, Kottayam	Ms A S Pawar	16 – 22 Feb 2023
1 Week National Level Online FDP on Outcome Based Education (OBE)	organised by the IQAC of JPM Arts and Science College, Kanchiyar, Idukki in association with ipsr solutions limited, Kottayam	Mrs A M Chimanna	16 – 22 Feb 2023
1 Week National Level Online FDP on Outcome Based Education (OBE)	organised by the IQAC of JPM Arts and Science College, Kanchiyar, Idukki in association with ipsr solutions limited, Kottayam	Ms P D Mundada	16 – 22 Feb 2023
ISTE Sponsored One Week FDP on Next Generation Computing Technologies in Data Science and Analytics	Organized by Shreeyash College of Engineering and Technology	Dr N L Gavankar	20 – 24 Feb 2023
7 Day national level Online FDP on Outcome Based Education (OBE)	Organized by St. James College of nursing and St. James College of Pharmaceutical Sciences, Chalakudy in association with KSHEC	Mr M K Chavan	8 – 15 Mar 2023
7 Day national level Online FDP on Outcome Based Education (OBE)	Organized by St. James College of nursing and St. James College of Pharmaceutical Sciences, Chalakudy in association with KSHEC	Mr S D Pujari	8 – 15 Mar 2023
Information Technology Department			
Two week Entrepreneurship Course	Dr. A. J. Umbarkar	25 July - 07Aug 2022	Turnip Innovation
One week workshop on Outcome based education	Dr. R. R. Rathod	18 to 25 Jan. 2023	S.E.S College, Sreekandapuram
Python and Django workshop	Mr. M.B. Narnavare	23, 24 Sep. 2022	FOSSEE, MOE, IIT Bombay
NPTEL workshop Linear algebra for CS and ML.	Mr. M.B. Narnavare	19-20 Nov 2022	IIT Madras.
One week workshop on Outcome based education	Mrs. B. S. Shetty	18-25 Jan. 2023	S.E.S College, Sreekandapuram
One week workshop on Outcome based education	Mr. M. G. Rathi	18-25 Jan. 2023	S.E.S College, Sreekandapuram
Augmented and Virtual Reality	Ms. M. S. Dabade	20-24 Feb. 2023	VIIT, Pune
Recent Trend in Multi-disciplinary Research	Ms. M. S. Dabade	6-10 Feb. 2023	VIIT, Pune
Participants in one week national e-workshop on Innovation & Intellectual Property Rights	Dr. P. K. Kharat	12-17 June, 2023	Innovative Technology Enabling Centre (InTEC), CSIR-

			IMMT, Bhubaneswar
Capacity Building Programme on Cyber Security and Forensics	Dr. Sharwari S. Solapure	19-24 June 2023	KJ Somaiya Institute of Technology, Sion and Ramrao Adik Institute of Technology, Nerul
Applied Data Science for Healthcare	Mr. M. B. Narnaware	29 May - 2 June 2023	IIIT, Nagpur
Parallel Computing Orientation	All Faculties of IT department	2 June 2023	WCE Sangli & CDAC
Humanities and Science Department			
IOT Academy	Research Methodology & Research Tools	A.A. Powar	9-10 March 2023
IOT Academy	Innovative Teaching & Learning	A.A. Powar	13-20 March 2023
FDP	Advancement in Material science and Nanotechnology	K.V. Madhale	28 Nov.- 02 Dec. 2022
Conference (Paper presented)	Recent Trends in materials Science- Synthesis, Characterization and Applications	K.V. Madhale	3-4 January 2023
Conference	Advanced materials for Physical, Chemical and Biological Applications.	K.V. Madhale	3-4 March 2023
Training Program	Basic training program in Nano science and Technology at IISc Bangalore	K.V. Madhale	13-15 March 2023
REFRESHER COURSE	Online Two - Week Refresher Course in "PHYSICS" obtained Grade A at Teaching Learning Centre Ramanujan College, University of Delhi	K.V. Madhale	09-23 June, 2023
Online Faculty Development Program on Linear Algebra	Department of Applied Science, Sardar Patel Institute of Technology, Mumbai	Mrs. V.B. Girgaonkar	25 July -26 August 2022
Eight Module MOOC Courses	NITTT - Module 1 - Orientation Towards Technical Education and Curriculum Aspects By AICTE conducted by NITTT	Dr. B. N. Jamadar	September-October 2022
Eight Module MOOC Courses	NITTT - Module 2 - Professional Ethics & Sustainability By AICTE conducted by NITTT	Dr. B. N. Jamadar	September-October 2022
Eight Module MOOC Courses	NITTT - Module 3 - Communication Skills	Dr. B. N. Jamadar	September-October 2022

	Modes & Knowledge Dissemination By AICTE conducted by NITTT		
Seven Days National Level Online FDP	FDP on “Outcome Based Education OBE” organized by SES College Sreekandapuram in association with The Kerala State Higher Education Council.	Dr. B. N. Jamadar	18-25 January 2023
One week online FDP	Faculty Development Program on “Productivity Enhancement through Stress Management” organized by G H Raison Institute of Engineering & Technology, Nagpur	Dr. B. N. Jamadar	20-24 February 2023
5 week online FDP on Linear Algebra	Department of Applied Sciences and Humanities by S.P.college Mumbai	Mrs. R.S. Janagond	22 July - 26 August 2022
7 days National Level online FDP on OBE	Conducted by IQAC of SES college of Sreekhandapuram, Kannur	Mrs. R.S. Janagond	18-25 January 2023

4.2 Interaction with outside world

Guest Lectures Delivered by faculty:

Name of Faculty	Place	Subject	Date of Lecture
Civil Engineering Department			
Dr. K.S. Gumaste	College of Engineering Technology, Vijayapura, Karnataka,	Chief Guest and Key Note Lecture on ‘Embodied Energy in Construction Materials- An Approach to Sustainable Buildings’ in the two week AICTE sponsored ATAL-FDP on Sustainable Construction - Issues, Challenges and Technological Developments in Decarbonization	27 Feb to 3 March 2023
Mechanical Engineering Department			
Prof. Dr. B. S. Gawali	Government College of Engineering, Karad	Invited Speaker for National Conference National Conference on “Advances in Science, Engineering and Technology for Sustainable Development (NCASETSD-2022	20-21 May 2022
Prof. Dr. Sunil Sutar	Nutan College of Engineering & Research Pune	One week FDP on Research paper writing and publishing	20-24 February 2023
Prof. Dr. Amar Bhandare	DKTE's Yashwantrao Chavan Polytechnic, Ichalkaranji	Resource person for online faculty Development Program (FDP) on Recent advance manufacturing trends	15-17 March 2023
Electronics Engineering Department			
Mr. S. R. Khedkar	WCE Sangli	CMOS Inverter Design using Microwind	19 April 2023
Computer Science and Engineering Department			
Mr R R Patil	ADCET Ashta	One Day Workshop on “Internet of Things”	12 Oct 2022
Dr N L Gavankar	Mechanical Department, WCE Sangli	Expert Session on “Database Management system, Data Modelling”.	12 April 2023

Information Technology Department			
Dr. U B. Chavan	AISSM, Pune	Recent Trends in Machine Learning.	13/3/2023
Dr. P. K. Kharat	TKIT, Warnanagar	Research Methodology & Synopsis Presentation	16/12/2022
Dr. S. P. Sonavane	TKIT, Warnanagar	Research Methodology & Synopsis Presentation	16/12/2022
Dr. U. B. Chavan	Parallel Computing Orientation Program	Parallel Computing	02/06/2023
Dr. P. K. Kharat	SIT, Yadrav	Research Methodology	01/01/2023
Dr. S. P. Sonavane	SIT, Yadrav	Research Methodology	01/01/2023
Humanities and Science Department			
Dr. B. N. Jamadar	Dadoji Kondev Sainiki School, Tasgaon Dist- Sangli	Electromagnetic Induction	06 January 2023

Industrial Visits:

Place of Industrial Visit	Coordinator of Industrial Visit	Total Participants	Date of Visit
Bharat Re-rolling Steel, Sangli	Prof. Dr. U.A. Dabade, Dr. Abhijit Deokule, Mr. S.P. Nevagi	74	16 November 2022
Kirloskar Brothers Ltd. Kirloskarwadi	Prof. Dr. U.A. Dabade	72	24 November 2022
Sangli Aluminium Extrusions Pvt. Ltd. Sangli	Prof. Dr. U.A. Dabade, Dr. A S Bhandare, Mr. S P Nevagi, Dr. A P Deokule	73	1 December 2022
Bashko Engineering Pvt. Ltd	Prof. Dr. U.A. Dabade, Dr. A S Bhandare, Mr. S P Nevagi, Dr. A P Deokule	73	1 December 2022
Site Visit to Vision City	Dr. Gumaste K. S.	SY B. Tech Civil Students	30 th September, 2022
Site Visit to Under Construction Bungalow	Dr. Gumaste K. S.	SY B. Tech Civil Students	18 th October, 2022
Industrial Visit- Royal Avenue, Commercial Property	Mr. Sawant B. B.	Final Year BTech Project Students	22 th September, 2022
Study Visit to Government Hatchery Campus, Kolhapur	Dr. Pol C. B.	TY B. Tech Civil Students	18 th November, 2022
Study Visit to Water Treatment Plant, MIDC Sangli	Dr. Munavalli G. R.	TY B. Tech Civil Students	5 th November 2022
Study Visit to Koyna Dam	Dr. Mali A. K.	Final Year BTech Project Students	15 th February 2023
Study Visit to JSW Jaigarh Port	Dr. Mali A. K.	Final Year BTech Project Students	16 th February 2023
Study visit to BGRL center, Karad	Mr. S.M. Wandare and Mr. P.K. Deshpande	TY B. Tech Civil Students	27 th February 2023

4.3 MoU's Signed with Industries and Institutes in Last Five Years:**Academic (Mechanical)**

Government Engineering College, Jabalpur (14.05.2019)

Industry (Mechanical)

Geometric LTD, Vikhroli -(06/01/2017)

M/s Perfect Consultants, Kolhapur -(13/12/2016)

Ministry of Road Transport & Highways -(06/05/2017)

Industry (Electronics)

Veritas Software Technologies India Pvt. Ltd. Eon Free trade zone, Wing 4, Cluster A, Plot no.1, MIDC knowledge Park, Kharadi, Pune

Academic (CSE)

Government Engineering College, Jabalpur (21.07.2017)

Industry (CSE)

Veritas Software Technologies India Private Limited (1st December 2020 to 30th November 2021)

ZiMetrics 2020-21 (7th April 2021 to 6th April 2023)

Fresh Express Pvt. Ltd 22-23

Academic (Electrical)

Tata Power Skills Development Institute (TPSDI) (28/01/2021)

Adani Electricity Mumbai Limited, ADTPS, Tal: Dahanu, Dist: Palghar. (02.03.2020)

Government Engineering College, Jabalpur (14.05.2019)

Industry (Electrical)

Reliance Infrastructure Ltd., Dahanu (24.06.2016)

MSETCL/Mahatransco-Hatkanagale-(6.10.2016)

IT Engineering

Year	Organization with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration
Year 2018-2019	RedHat	RedHat Pvt. Ltd	9/1/2018	1 year
Year 2020-2021	VERITAS (2020)	Veritas Software Technologies India private Limited	2020	1st Dec 2020 to 30th Nov 2021
Year 2020-2021	ZiMetrics	ZiMetrics Technologies Private Limited,	4/7/2021	7th April 2021 to 6th April 2023
Year 2021-2022	RubiScope	RubiScope Pvt. Ltd. Pune	6/13/2022	13th June 2022 to 12th June 2025

Civil Engineering

Sr. No.	MoU signed with	Year	Purpose
1	Maharashtra Pollution Control Board (MPCB)	2008 - 2021	Air Quality Monitoring for Sangli City under National Air Monitoring program
2	Maharashtra Pollution Control Board (MPCB)	2011-17	Fellowship for PG Students of Env. Engineering
3	Maharashtra Pollution Control Board (MPCB)	2021	Institute of Repute (IoR) to serve under the National Clean Air Mission
4	Ramkumar Rathi Tech Services Pvt. Ltd., Pune	06/10/2018	Developing Research Centre for Structural Health Monitoring
5	Struct-wel Designers and Consultants Pvt. Ltd., Mumbai	13/12/2018	Training, Research & Development, Consultancy
6	National Highway Authority of India (NHAI)	03/08/2020	Training, Research & Development, Consultancy
7	Laxmi Engineers Services Pvt. Ltd	07/10/2016	Training, Research & Development, Consultancy
8	Reliance Infrastructure Ltd., Dahanu.	2016	1) Recognize the mutual interest in the fields of training, development, and dissemination of knowledge.

			2) Recognize the importance of In-plant training activities for engineering students. 3) Recognize the importance of the Industry Partner within its fields of expertise.
9	Parikh Engineers and Associates	08/12/2016	Training, Research & Development, Consultancy
10	Shanti Prestressed Products Pvt. Ltd Miraj	08/12/2016	Training, Research & Development, Consultancy
11	Jabalpur college of Engg., Jabalpur.	2019	a) To implement an action plan for twinning activities in the current year b) To conduct courses, workshops, Trainings, and seminars/conferences. c) To establish Industry partnerships for joint R&D and joint UG, PG internships
12	Jawahar Shetakari Sahakari Karkhana Ltd. Hupari	15/03/2018	Training, Research & Development, Consultancy
13	Adani Electricity Mumbai Limited, ADTPS, Tal: Dahanu, Dist: Palghar.	2019-2020	1) Recognize the mutual interest in the fields of training, development, and dissemination of knowledge. 2) Recognize the importance of In-plant training activities for engineering students. 3) Recognize the importance of the Industry Partner within its fields of expertise.
14	SCON Infrastructure, Mumbai	June 2021	Training, Research & Development, Consultancy
15	UltraTech Cement, Solapur	29/09/2022	Training, Research & Development, Consultancy
16	Shapoorji Pallonji And Company Pvt. Ltd, Mumbai	13/06/2022	Training, Research & Development, Consultancy
17	KRA Constroteck Pvt. Ltd. Pune.	13/06/2022	Training, Research & Development, Consultancy
18	Sonai Infrastructure Pvt. Ltd, Sangli	13/06/2022	Training, Research & Development, Consultancy
19	Dr. Subbarao Environment Centre, Sangli	2022-2023	1) Planning and utilizing resources like staff and infrastructures for joint R&D work. 2) Sharing of the latest training trends in the educational and industrial fields. 3) Joint industrial training programme.

5. Diploma Wing Annual Activities

5.1 Admission Details of all Branches

Course/ Year	Civil	Mechanical	Electrical	Ind. Eln.	Total
F.Y.	43	68	69	46	226
S.Y.	46	65	75	44	230
T.Y.	49	70	70	35	224
Total	138	203	214	125	680

5.2 Faculty Details

Sr. No	Name	Designation	Qualification	Experience (in years)
Civil Engineering Department				
1	Kulkarni Harshad Purushottam	Head of Department	M.E. (Civil)	29
2	Kadam Kashinath Shankar	Lecturer in Civil Engg. (Sl. Gr.)	B.E. (Civil)	35
3	Chikurde Sunil Vasant	Lecturer in Civil Engg (Sl. Gr.)	M.E. (Civil), PG DBM	30
4	Kamble Nitin Nivrutti	Lecturer in Civil Engg (Sl. Gr.)	M.E. (Civil)	28
5	Pophare Sanjiv Mahadeo	Lecturer in App. Mechanics (Sr. Sc.)	M. Tech. (Structures)	27
6	Number of CHB Staff - Three	---	---	---
Mechanical Engineering Department				
1	Kamble Ashok Vishnu	I/C VP & I/C HOD	M.E. (Heat Power)	33
2	Anuse Bhargvaram Aganu	Lecturer in Mech Engg. (Sl. Gr.)	M.E. (Design)	29
3	Urunkar Deepak Baburao	Lecturer in Mech Engg. (Sl. Gr.)	M.E. (Production)	29
4	Tikekar Hemant Narayankar	Lecturer in Mech Engg. (Sl. Gr.)	M.E. (Production)	28
5	Number Of CHB Staff - Eight	---	---	---
Electrical Engineering Department				
1	Mane Jaywant Yashwantrao	I/C HOD, Lecturer in Electrical Engg. (Sl. Gr.)	B.E. (Electrical)	34
2	More Adhikrao Shamrao	Lecturer in Electrical Engg. (Sl. Gr.)	M.E. (Electrical)	32
3	Apte Narayan Gangadhar	Lecturer in Electrical Engg (Sl. Gr.)	M.E. (Electrical) Ph. D. (Electrical)	28
4	Kamble Sushant Subhash	Lecturer in Electrical Engg	M. Tech. (Electrical)	9
5	Bhosale Akshay Rajendra	Lecturer in Electrical	M. Tech. (Electrical)	13

Industrial Electronics

- Mr. S. U. Chavan has got admission to PhD in Electronics Engg. course in 2022-23.
- Mr. N. S. Narayankar is selected admission to PhD in Electronics Engg. course in 2023-24.
- Miss Shreyasi U. Patil is appointed as lecturer on Clock Hour Basis for the academic Year 2023-24.

5.3 Civil Engineering Department

Faculty Activity Details

5.3.1 Consultancy works

Sr. No.	Name of work & Client	Types of works	Consultants	Remark
1	Third Party Audits for SMK Municipal Corporation	Various works involving Roads, Gutters, etc.	HP Kulkarni and NN Kamble	Completed

5.3.2 Result Analysis of MSBTE Examinations

First Year Diploma in CE							
	Appeared	Dist.	First	Second	ATKT	Fail	% Pass
Summer-2023	41	14	11	1	9	6	85.37
Winter 2022	45	15	13	0	9	8	62.22
Second Year Diploma in CE							
	Appeared	Dist.	First	Second	ATKT	Fail	% Pass
Summer-2023	43	8	15	10	9	1	97.67
Winter 2022	44	15	18	1	9	0	77.27
Third Year Diploma in CE							
	Appeared	Dist.	First	Second	ATKT/LSP	Fail	% Pass
Summer-2023	49	36	5	0	5	3	93.88
Winter 2022	49	30	5	0	9	5	71.43

5.3.3 List of Toppers in summer 2023 MSBTE Examination

Rank	FY		SY		TY	
	Name	% Marks	Name	% Marks	Name	% Marks
1	Nalawade Sanika R.	88.06	Satpute Sahil T.	86.88	Sutar Megha S.	90.68
2	Kadam Yash	86.73	Mane Gayatri V.	85.24	Kothali Moin D.	89.84
3	Patil Ishwari V.	84.97	Gadyal Aditya V.	83.24	Ayush Patil S.	89.47

5.3.4 Student Co-Curricular and Extra-Curricular Activities

No. of students participated in co-curricular and extracurricular activities = 23

No. of Winners = 02

5.3.5 Guest Lectures Delivered by the Faculty

SN	Name of Faculty	Place	Subject	Date
1	H P Kulkarni	Govt. Polytechnic, Karad	Benefits of QMS for NBA Accreditation	26/09/2022

5.3.6 Guest Lectures Organized

SN	Name of Speaker	Subject	Coordinator	Date
1	Dr. Sayali Sandbhor	Introduction to BIM	H. P. Kulkarni	05/08/2022
2	Ar. Arundhati Wategave	Architectural Planning of Buildings	H. P. Kulkarni	27/05/2022
3	Prof. P K Deshpande	Engg. Geology & Petrology	K S Kadam	21/02/2023
4	Mr Suraj Khatode	EIA - Environmental Impact Assessment	S V Chikurde	19/12/2022
5	Dr Ravindra Tate	Solid Waste Management	S V Chikurde	03/05/2023

		SMK Corporation		
6	Dr. Sayali Sandbhor	Project using BIM	H. P. Kulkarni	28/03/2023

5.3.7 Training Programs Attended by Faculty:

SN	Topic	Venue	Faculty	Duration
1	Digital Twins Transforming the Infrastructure Industry	Symbiosis Institute of Technology, Pune	H. P. Kulkarni	20 - 23 Mar. 2023
2	Design & Construction of Steel Structure	Vivekananda Institute Of Technology, Bengaluru	S. V. Chikurde	06-10 June 2022 Morning Sessions
3	ISTE-STTP Recent Trends In Sustainable Development	P. R. Pote (Patil) College of Engineering & Management, Amravati.	S. V. Chikurde	06-11 June 2022 Afternoon Sessions
4	Microsoft Excel	My Live Support (Online)	S. V. Chikurde	25 February 2023
5	Analysis of Engineering system using Creo	S.P. College of Engineering Mumbai	S.M. Pophare	01 August 2022
6	Industrial Training on ANSYS	N.S.I.C. Hyderabad	S.M. Pophare	12-26 September 2022
7	Industrial Training Program on Structural Analysis using STADD-PRO	N.S.I.C. Hyderabad	S.M. Pophare	10-24 October 2022
8	Industrial Training Program on Digital Twin Technology for Infrastructures	N.S.I.C. Hyderabad	S.M. Pophare	07-18 March 2023

5.3.8 Industrial Visits Organized

SN	Subject	Location	Coordinator	Date
1	Public Health Engineering	Water Treatment Plant, Miraj	S V Chikurde	19/10/2022
2	Public Health Engineering	Sewage Treatment Plant, Bharati Hospital,	S V Chikurde	08/12/2022
3	Solid Waste Management	Bharati Hospital, Wanlesswadi, Miraj	S V Chikurde	20/04/2023

5.3.9 Details of Campus Placement:

Sr. No	Name of Industry	No. of Students Placed	Salary offered
1	Shapoorjee Pallonji Co. Pvt. Ltd.	8	2.52 LPA

5.3.10 Conducted MSBTE sponsored Paper Presentation Competition:

Conducted MSBTE sponsored Paper Presentation Competition on 17/04/2023 through online mode. Ten papers were selected for presentation after scrutiny and three winners were shortlisted after presentation. They were felicitated with cash rewards as per MSBTE regulations.



5.3.11 Details of MoU:

Signed MoU with 'Spandan Pratishthan' Sangli for Industrial Training of Students and allied areas involving Industry -Institute Interaction w.e.f. 29/03/2023 to 28/03/2028.





5.3.12 Webinar on AutoCAD 3D:

Organized Webinar on AutoCAD 3D on 02/12/2022 in association with Marvel Academy, Sangli. 120 participants have successfully completed the event.



5.4 Mechanical Engineering Department

5.4.1 Result Analysis of MSBTE Examinations:

First Year Diploma in ME							
	Appeared	Dist.	First	Second	ATKT	Fail	% Pass
Summer-2023	61	07	16	03	27	08	86
Winter 2022	68	07	30	01	15	15	77
Second Year Diploma in ME							
	Appeared	Dist.	First	Second	ATKT	Fail	% Pass
Summer-2023	62	21	13	02	07	19	69
Winter 2022	65	15	15	02	08	25	61
Third Year Diploma in ME							
	Appeared	Dist.	First	Second	ATKT/LSP	Fail	% Pass
Summer-2023	70	53	13	00	00	04	94
Winter 2022	70	47	07	00	09	07	90

5.4.2 List of Toppers in summer 2023 MSBTE Examination

Rank	FY		SY		TY	
	Name	% Marks	Name	% Marks	Name	% Marks
1	Kulkarni Aayush Avinash	87.07	Khobare Anuja Avinash	85.12	Tagali Athrav Dhareppa	90.56
2	More Sushant Shivaji	86.13	Savant Harshad Sambhaji	84.5	Suhas Nitin Patil	90.44
3	Killedar Varad Atul	84.53	Mulla Sakib Mushir	83.75	Patil Rajvardhan Dattajirao	90.00

5.4.3 Student Co-Curricular and Extra-Curricular Activities

No. of students participated in co-curricular and extracurricular activities = 15

No. of Winners = 00

5.4.4 Guest Lectures Organized:

SN	Name of Speaker	Subject	Coordinator	Date
1	Dr. Namdev Kasture	Personality Development	H.N. Tikekar	05/05/2022
2	Mr. Mahesh Wagh	Energy Conservation	H.N. Tikekar	19/12/2022

5.4.5 Training Programs Attended by Faculty:

SN	Topic	Venue	Faculty	Duration
1	Emerging Trends in Mechanical Engineering	Padm. Dr. V.B. Kolte College of Engineering Malkapur	Anuse B.A., Urunkar D.B., Tikekar H.N., Sargule G.N, Walvekar A.V.	13-17 March 2023
2	Train the trainer, Bosch Ltd. Pune	D.Y.PATIL College of Engineering, Talegaon	Sargule G.N.	03-07 April 2023
3	Recent Advance Manufacturing Trends	Yashwantrao Chavan Polytechnic Ichalkarnji	Sargule G.N.	15-17 March 2023

5.4.6 Number of Industrial Visits Organized:

SN	Subject	Location	Coordinator	Date
1	Manufacturing processes	Samruddhi Industries M.I.,D.C. Kupwad	D.B. Urunkar	19/04/2023
2	Manufacturing processes	Bharat Rolling, Madhavnagar	D.B. Urunkar	19/04/2023
3	Fluid mechanics	Chandoli Dam	D.B. Urunkar	24/11/2022
4	Power Engineering and Refrigeration	Sadavaghapur Wind Mill	D.B. Urunkar	25/11/2022
5	Automobile Engineering	Chougule Industries Sangli Kolhapur road	B.A. Anuse	01/04/2023
6	Automobile Engineering	S.T. Workshop Miraj	B.A. Anuse	07/04/2023

5.4.7 Details of Campus Placement

Sr. No	Name of Industry	No. of Students Placed	Salary offered
1	Bajaj Auto Akurdi	01	1.92 LPA
2	Sulzer Pumps India. Pvt. Ltd.	01	3 LPA

5.4.8 Details of MoU: Three

5.5 Electrical Engineering Department

5.5.1 Consultancy works

Sr. No.	Types of works	Consultancy work (Fee) Rs.	Consultants
1	Testing	178180/-	All Faculty
2	Consultancy	701208/-	All Faculty

5.5.2 Faculty pursuing Ph.D.

Sr. No.	Name of Faculty	Name of Guide/ Branch	Date of Registration/Univ.	Title of the Thesis
1	Kamble Sushant Subhash	Dr. A.M. Mulla, Electrical Engineering	July 2017 Shivaji Univ. Kolhapur	Power Quality Enhancement In Grid Connected EV Charging System Integrated With PV Using Z Source DSTATCOM

5.5.3 Result Analysis of MSBTE Examinations:

First Year Diploma							
	Total	Dist.	First	Second	ATKT	Fail	% Pass
Winter -2022	67	33	17	-	12	5	75
Summer-2023	67	21	21	2	12		66
Second Year Diploma							
	Total	Dist.	First	Second	ATKT	Fail	% Pass
Winter -2022	68	33	17	-	12	5	100
Summer-2023	70	41	18	1	3	5	88
Third Year Diploma							
	Total	Dist.	First	Second	ATKT	Fail	% Pass
Winter -2022	67	62	4	-	-	-	100
Summer-2023	69	59	6	0	1	0	99

5.5.4 List of Toppers in winter 2022 MSBTE Examination

Rank	FY		SY		TY	
	Name	% Marks	Name	% Marks	Name	% Marks
1	Arya Vikas Joshi	89.86	Bhosale Samruddhi Sharad	92.63	Shinde Pranav Sunil	92.00
2	Repal Sushant Anil	88.00	Joshi Madhura Jitendra	91.25	Masal Monika Pundlik	91.80
3	Mali Simran Prashant	87.86	Ranade Gauri Pradeep	90.88	Patange Janhavi Sachin	91.10
			Nandanikar Tejas Rajendra	90.88	Navatre Sayali Bharat	91.10

5.5.5 List of Toppers in summer 2023 MSBTE Examination

Rank	FY		SY		TY	
	Name	% Marks	Name	% Marks	Name	% Marks
1	Arya Joshi	87.75	Tejas Nandanikar	89.73	Pranav Shinde	91.22
2	Parth Hate	86.50	Samrudhi Bhosale	88.93	Pradnya Pawar	90.88
3	Pradnya Bachche	85.75	Gauri Ranade	88.80	Shantanu Yadav	90.17

5.5.6 Student Co-Curricular and Extra-Curricular Activities:

Number of students participated in co-curricular and extra-curricular activities = 30

Number of winners =7

5.5.7 Guest Lectures Delivered by the Faculty

SN	Name of Faculty	Place	Subject	Date
1	J.Y. Mane	Various High Schools in Sangli, Vishrmbag, Miraj, Kavalapur	Admission process and Various opportunities for Diploma in Engineering	Month of January 2023
2	A.S. More			
3	N.G. Apte			
4	A.R. Bhosale			
5	S.S. Kamble			
6	J.Y. Mane	WCE Sangli	Opportunity for diploma engineers	29 September 2022

5.5.8 Guest Lectures Organized

SN	Name of Speaker	Subject	Coordinator	Date
1	Mr. Rajesh Waydande, MSEDCL, Vishrambag	Electrical Safety Awareness	J.Y. Mane	11/10/2022
2	Dr. M.M. Wagh, DOT, Shivaji University Kolhapur	Energy Conservation	A.S. More	09/03/2023
3	Adv. Pooja Narwadkar Bharti Vidyapeeth New Law College, Sangli	Sexual Harassment of Women at work place Act,2013	K.S. Kokitkar	05/04/2023

5.5.9 Online Training Programs Attended by Faculty:

SN	Topic	Venue	Faculty	Duration
1	Industrial training program	M/s L&T (STC) Ltd Pune	S.S. Kamble	3-7 April 2023
2	Industrial training program	M/s L&T (STC) Ltd Pune	A.R. Bhosale	3-7 April 2023

5.5.10 Number of Industrial visits organized:

SN	Location	Coordinator	Date
1	Hightech sintered products	A.R. Bhosale	19/04/2022
2	AGE MOTORS	S.S. Kamble	01/12/2022
3	Dhom dam and power house	A.R. Bhosale	01/12/2022
4	Mapro food park	S.S. Kamble	01/12/2022

5.5.11 Details of campus placements

SN	Name of industry	Numbers of students placed	Salary offered
1	Shapoorji Pallonji company Pvt.LTD	1	2.52 LPA

5.6 Industrial Electronics**5.6.1 Faculty pursuing Ph.D.**

Sr. No.	Name of Faculty	Name of Guide/ Branch	Date of Registration/ Univ.	Title of the Thesis
1	Mr. S. U. Chavan	Dr. M. Kumbhar	JAN 2022 / Shivaji Univ. Kolhapur	Electrical Vehicles
2	Mr. N. S. Narayankar	Dr. R. N. Patil	JUL 2023 / Shivaji Univ. Kolhapur	Not yet finalized

5.6.2 Result Analysis of MSBTE Examinations:

Industrial Electronics Engg.	Exam	Total	90+	Dist.	First	Second	ATKT	Fail	% Pass
FirstYear	W – 2022	46	0	20	16	0	8	2	78.26
	S – 2023	46	0	14	10	0	9	13	52.17
SecondYear	W – 2022	45	1	14	17	0	3	11	68.89
	S – 2023	42	0	20	15	0	0	2	83.33
ThirdYear	W – 2022	42	1	33	5	1	1	2	92.87
	S – 2023	48	3	37	10	0	0	0	97.92

5.6.3 List of Toppers

Rank	FY S-2023		SY – S-2023		TY – S-2023	
	Name	%Marks	Name	%Marks	Name	%Marks
1	Patil Vedantika Dattatray	85.93	Mahajan Sarthak	89.23	Rahate Shreeya Sudhakar	90.51
2	Phalle Divya Shankar	85.72	Jay Ajitkumar Patil	87.29	Munde Aniket Pravin	90.17
3	Hajare Vaishnavi Shashikant	84.48	Patil Seema Popat	85.61	Mane Aditya Arvind	88.34

5.6.4 Guest Lectures Delivered by the Faculty

SN	Name of Faculty	Place	Subject	Date
1	Dr. V. V. SULAKHE	Govt. I.T.I., Sangli	Industry 4.0	Nov. 2022
2	Dr. V. V. SULAKHE	Govt. I.T.I., Sangli	Advanced Automation	Dec. 2022
3	Mr. N. S. Narayankar	Govt. I.T.I., Sangli	Industrial Drives and control	Nov. 2022
4	All regular teachers from Ind. Electronics Participated in School connect program in 50 high schools, conducted by MSBTE	Various High Schools in Sangli, Vishrambag, Miraj, Kavalapur	Admission process and Various opportunities for Diploma in Engineering	Month of February and March 2023

5.6.5 Guest Lectures Organized

SN	Name of Speaker	Subject	Coordinator	Date
1	Mr. N. B. Naik	Opportunities for electronics engineers in AI	Dr. A. A. Agashe	20/04/2023
2	Mr. MM Wagh	Energy Conservation	Mr. N.S. Narayankar	09/03/2023

5.6.6 Technical Paper Reviewer by the Faculty

SN	Name of Reviewer	Name of Conference	Location	Dates
1	Dr. V. V. Sulakhe	IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON)	Bangalore, India	September 2022
2	Dr. V. V. Sulakhe	IEEE International Conference on Data Science and Network Security (ICDSNS)	Tiptur, Karnataka	July 2022
3	Dr. V. V. Sulakhe	IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2023)	Ballari, Karnataka	April 2023
4	Dr. A. A. Agashe	IEEE international conference on Automatic Control and Intelligent Systems	Malaysia	June 2022

5.6.7 Workshop Attended by the Faculty

SN	Name of Faculty	Name of Workshop	Location	Dates
1	Dr. A. A. Agashe	DTE – IITB Workshop	Mumbai	12-13 May 2023

5.6.8 Training Programs Attended by Faculty

SN	Topic	Venue	Faculty	Duration
1	Orientation towards technical education and curriculum aspects	NITTTR Online	N. S. Narayankar	8 weeks
2	Professional Ethics and sustainability	NITTTR Online	N. S. Narayankar	8 weeks
3	Advancements in Robotics	Vivekanand Polytechnic MSBTE sponsored – FDP)	S.U. Chavan	1 week
4	A Primer to Mathematical optimization	SWAYAM	S.U. Chavan	8 weeks
5	FDP on Outcome Based Education	SES college & KSHEC	S.U. Chavan	1 week
6	FDP on Outcome Based Education	SES college & KSHEC	N. S. Narayankar	1 week

5.6.9 Number of Industrial visits organized

SN	Subject	Location	Coordinator	Date
1	Power Electronics in Wind Power	Suzlon Wind Generation Plant, Sada-Waghapur, Dist. Satara	Dr. A. A. Agashe	11 Nov.2022
2	Robotics & Automation	VIDA Agro Private Ltd, MIDC, Wai, Dist. Satara	Dr. V. V. Sulakhe	12 Nov.2022
3	Control Systems	Vintas, MIDC, Wai, Dist. Satara	Mr. P. B. Patil	12 Nov.2022
4	AC & DC Drives	K.P.T. Industries, Shirol, Dist. Kolhapur	Mr. N. S. Narayankar	18 Nov.2022
5	Power Electronics	Datta Sugar Factory, Shirol, Dist. Kolhapur	Mr. S. U. Chavan	18 Nov.2022

5.7 Huminity and General Sciecn Department

Dr. B. B. Vhankhande

1. Number of Research papers published in International Journals and Conferences - 03
2. Number of Attended and presented research paper in international conferences - 02
3. Number of FDP/Courses attended - 03
4. Coordinator, School connect program run by MSBTE and DTE

Mr. Kamble S. V.

1. Number of Attended and presented research paper in international conferences - 01
2. Number of FDP/Courses attended - 02
3. Number of Workshops attended – 02

Mrs P. S. Suryawanshi

1. Number of Attended National conferences - 02

Mr. M. H. Kalawate

1. Worked as a resource person in Workshop -01

Mrs S. R. Pinjari

1. Number of training program attended – 01

Miss S. A. Jamadar

1. Number of FDP attended - 01
2. Number of workshop attended - 01



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Department of Civil Engineering

B.Tech. Class of - 2022-23



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Department of Mechanical Engineering

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WALCHAND COLLEGE OF ENGINEERING, SANGLI.

Department of Electronics Engineering

B.Tech. Class of 2022-23





WALCHAND COLLEGE OF ENGINEERING, SANGLI.

Department of Computer Science and Engineering

B.Tech. Class of 2022-23



WALCHAND COLLEGE OF ENGINEERING, SANGLI.

Department of Information Technology

B.Tech. Class of 2022-23





WALCHAND COLLEGE OF ENGINEERING, SANGLI Department of Civil Engineering



D.C.E CLASS OF-2023



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D.M.E CLASS OF-2023



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- To enhance career opportunities for students through exposure to industry.
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- 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.
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Shri. Ajit Gulabchand
Chairman, Administrative Council

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