



# Walchand College of Engineering

Vishrambag, Sangli - 416 415  
(Govt. Aided Autonomous Institute)

## Our Strengths

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

## WCE Founders



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## About WCE, Sangli....

Walchand College of Engineering, Sangli is one of the oldest and renowned technical institutes in Maharashtra. This college was started as a “New Engineering College” in the year 1947 by late Shri. Dhondumama Sathe. The College was renamed as “Walchand College of Engineering” in 1955, after a substantial financial support extended by Seth Walchand Hirachand Memorial Trust. The management and Control of the college was transferred to Administrative Council with all movable and immovable properties since 1956.



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

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

### Brief History

- 1947** – Established on **23<sup>rd</sup> June 1947** by Late Shri **Dhondumama Sathe** as: **New Engineering College, Sangli** One of the oldest engineering Colleges in the State of Maharashtra (90 Acres Land)
- 1955** – Name changed to: **Walchand College of Engineering**
- 1971** – **First** in Shivaji University Kolhapur (SUK) area to start **PG programs** and **Only Research Center** in engineering till 2004.
- 1977** -- Started receiving 90% **Grant in Aid from Government of Maharashtra**
- 2003** -- First College in SUK to get NBA Accreditation for 5 UG Programs
- 2007** -- Selected for **TEQIP** Phase –I. Institute became **Autonomous (1<sup>st</sup> college** in SUK area).
- 2012** – First College in SUK to get NBA Accreditation for 5 PG Programs. Selected for **TEQIP** Phase –II.
- 2014** – UGC **Extended the Autonomy** till 2020
- 2016** – NAAC Accreditation: ‘A’ Grade. Selected for TIFAC Funding from RGSTC.
- 2017** -- Selected for **TEQIP** Phase –III. Will be Mentoring Jabalpur College of Engineering, Jabalpur.

## ***Chairmans Profile...***

Shri. **Ajit Gulabchand** (born 1948) is an Indian industrialist and director of Hindustan Construction Company. He serves as chairman of the board of governance at National Institute of Construction Management & Research (NICMAR) and as chairman of Walchand College of Engineering, Sangli. He serves as director of Hindustan Finvest, HCC Infotech, Hincon Technoconsult, Hincon Realty, Hincon Holdings, Ucchar Investments, Western Securities, LAVASA Corporation, Motorsports

Association of India, Constructmall.com, Champali Garden, Shalaka Investment, Gulabchand Foundation and as an independent, non-executive director of Bajaj Electricals. He is a founding member of the World Economic Forum's Disaster Resource Network and a member of the National Council of Confederation of Indian Industry (CII).



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



**Dr. U. A. Dabade**  
**I/c Director & Deputy Director, WCE**

## ***Directors Message...***

It gives me immense pleasure to publish first issue of quarterly newsletter of Walchand College of Engineering (WCE) which 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 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.

In this quarter round 24 research papers were published in international and national journals, 19 in international and national conferences and three patents granted. Total IRG generated by various departments was approx. 58 lakh rupees. The institute celebrated 77th Independence Day with a lot of zeal and enthusiasm. Academic excellence ceremony was celebrated on 15<sup>th</sup> September where bright students were felicitated. This quarter was also abuzz with the numerous student activities coordinated and conducted by student clubs. All student clubs constituted new boards and conducted general interest meets (GIM). Central Library organised one day workshop on 'Diving Deep into Research: Harnessing IEEE XPLORE's Resources for Scholarly Excellence.'

As the institute has applied for institute NAAC accreditation and NBA accreditation for three programs (Civil, Mechanical and Information Technology), visits of committee members are expected in upcoming quarter in the month of November and all faculty, staff members striving hard to get the higher grades under the guidance and leadership of Hon. Chairman Ajit Gulabchand.

## Administrative Council

Sr.No.	Name of the Member	Position
1	Shri. Ajit Gulabchand	Chairman
2	Shri Sanjaykaka Patil	Member
3	Awaited	Member
4	Dr. V. N. Gupchup	Member
5	Shri. Amol Chavan	Member
6	Shri. C. N. Gandhi	Member
7	Dr. Ajeet Singh	Member
8	Dr. Manoj Kumar Tiwari	Member
9	Prof. Aravind Balan	Member
10	Dr. V. M. Mohitkar	Member
11	Dr. D. V. Jadhav	Member
12	Awaited	Member
13	Prof. U. A. Dabade	I/C Director & Secretary
14	Prof. U. A. Dabade	Dy. Director & Invitee
15	Prof. S. N. Tande	Invitee

## College Development Committee

(1st June 2023 to 31st May 2028)

Sr.No.	Name of the Member	Position
1	Shri. Shrinivas Patil	Chairman
2	Shri. Amol Chavan	Member
3	Shri. Suresh A. Patil	Member
4	Shri. C. S. Kotibhaskar	Member
5	Dr. Smt. S. S. Kulkarni	Member
6	Shri. Mukul Parikh	Member
7	Dr. Ravindra R. Rathod	Member
8	Dr. Ajeet P. Patil	Member
9	Smt. Renuka S. Janagond	Member
10	Shri. Sanjaykumar Kulkarni	Member
11	Dr. Anant K. Kokane	Member
12	Dr. Dagadu S. More	Member
13	Miss. Snehal S. Patil	Member
14	Shri. Datta N. Gangji	Member
15	Prof. Dr. U. A. Dabade	Member Secretary

## Key Functionaries

Name of the Faculty	Position
Dr. U. A. Dabade	I/c Director
Dr. U. A. Dabade	Deputy Director
Dr. A. V. Kamble	Vice-Principal, Polytechnic Wing
Dr. S. B. Kadam	Registrar
Dr. S. G. Tamhankar	Finance Coordinator
Dr. Mrs. S. P. Sonavane	Dean Academics
Dr. Mrs. A. A. Agashe	Dean Research & Development
Prof. S. B. Dhygude	Dean, Corporate Relations , Alumni & Student Careers
Dr. B. F. Momin	Dean, Innovation, Incubation and Entrepreneurship
Dr. S. N. Tande	Dean, Building Works Committee
Dr. B. N. Jamadar	Chief Rector
Dr. P. K. Kharat	Controller of Examination
Dr. A. K. Kokane	Associate Dean, Quality Assurance
Dr. A. R. Surve	Associate Dean, Student Activities and Development
Dr. M. M. Khot	Associate Dean, Student Welfare

Name of the Faculty	Position
Dr. G. R. Munavalli	HoD, Civil Engg.
Dr. S. U. Sapkal	HoD, Mechanical Engg..
Dr. D. S. More	HoD, Electrical Engg.
Dr. S. D. Ruikar	HoD, Electronics Engg.
Dr. M. A. Shah	HoD, CSE
Dr. R. R. Rathod	HoD, IT
Dr. S. N. Tande	HoD, Applied Mechanics
Prof. K. V. Madhale	F.Y. Coordinator
Shri. S. B. Agawane	I/c Librarian
Prof. P. A. Mane	Convenor, Purchase
Dr. A. P. Patil	I/c Gymkhana

## Institute Common Facilities



## Academic Programs Offered...

Sr. No.	Programs	Starting Year	Intake
<b>Diploma</b>			
1	Civil Engineering	1955	40
2	Electrical Engineering	1955	60
3	Mechanical Engineering	1955	60
4	Industrial Electronics	1970	40
<b>Under-graduate</b>			
1	Civil Engineering	1947	60
2	Mechanical Engineering	1955	60
3	Electrical Engineering	1955	60
4	Electronics Engineering	1986	60
5	Computer Science Engineering	1986 2000	60 90
6	Information Technology	2001	60
<b>Post-Graduate</b>			
1	Civil-Environment Engineering	1971	18
2	Civil-Structural Engineering	1971	30
3	Mechanical-Production Engineering	1995	30
4	Mechanical -Design Engineering	1971	30
5	Mechanical -Heat Power Engineering	1971	18
6	Electrical-Control Systems	1971	18
7	Electrical-Power Systems	1971	18
8	Electronics Engineering	1987	30
9	CSE-Computer Science Engineering	1998	30
10	CSE-Information Technology	2012	18

### PhD Program:

- Recognized Research Center of Shivaji University, Kolhapur (SUK) in all the disciplines of Engineering since 1971.
- Also Recognized QIP **minor research** center of central government with two Ph.D. seats for each branch (except IT) from 2012 (Total 10).

## Department Summary (July-September 2023)

Activities	Civil	Mech	Electrical	Electronics	CSE	IT	APM	HS
No. of International Journal Publications	—	03	06	03	03	—	07	—
No. of National Journal Publications	—	—	—	—	—	—	02	—
No. of International Conference Publications	—	03	—	—	02	01	09	01
No. of National Conference Publications	—	—	—	—	—	—	03	—
No. of Patents Filed	02	—	02	02	01	—	04	—
Consultancy & Testing Amount in Rs. Lacs	30	4.9	0.4	—	—	—	22.5	—

## Civil Engineering Department

The Department of Civil Engineering was the first inchoative discipline at Walchand College of Engineering, Sangli and the oldest in Southern Maharashtra region. Starting its journey in 1947, the department has contributed in producing several eminent engineers who are in key positions of the Government organizations, public sector and infrastructure companies and have brought in significant contributions in the planning and execution of Civil Engineering projects in various regions of India. The Department offers a four-year programme leading to the Bachelor's Degree in Civil Engineering (B. Tech.) and a two-year programme leading to Master's degree (M. Tech.) in Civil engineering with specialization in Structural Engineering and Environmental Engineering.

The Department is known for its reputed faculty having expertise in diverse fields. The faculty of the department continues to strive loftier by exploring new frontiers of civil engineering, imparting the latest technical knowledge to the students and conducting high quality of research. The faculty has contributed more than hundred research papers in various Journals and Conferences. The faculty also renders technical advice on live engineering problems in the field of Geotechnical, Structural, Environmental, Hydraulics, Transportation and Water Resources Engineering etc., to various Government and Private Sector companies throughout the state. It has built up a wide research potential in structural and Environmental Engineering. The department also has other well equipped engineering laboratories in the field of concrete and material testing, structural dynamics, structural health monitoring, Geotechnical, Hydraulics, Transportation, Surveying and Construction. Apart from the Central computing facility the department has its own computing facility with more than 60 nodes and continuous internet access. The research projects of the department are funded by various agencies such as Ministry of Human Resource Development (MHRD), All India Council for Technical Education (AICTE), Department of Science and Technology (DST), Maharashtra Pollution Control Board (MPCB), Fund for Improvement of S&T infrastructure (FIST), MODROB, TEQIP etc.

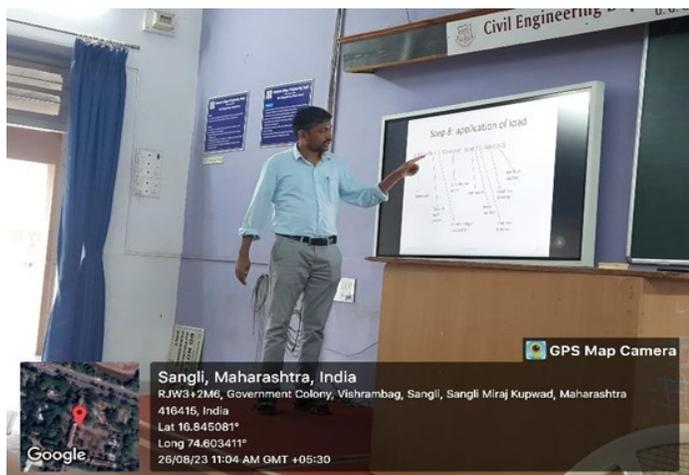
### Major Department Activities:



Two Days Short Term Training Programme on "AutoCAD" was organized from 9<sup>th</sup>-10<sup>th</sup> September, 2023 at Department of Civil Engineering, WCE, Sangli. Students from Walchand College of Engineering, Sangli attended the course. Faculties and Last Year B. Tech Student from WCE were invited for the expert lectures during the programme. The lectures were organized to: Provide basic knowledge of Planning, Introduce the participants to AutoCAD, Give hands on practice for Drawing plan, elevation, section and 3D of building plan using AutoCAD software.



Engineers Day Celebration Program was organized by Civil Engineering Students' Association (CESA) on 15<sup>th</sup> September 2023



A one-day workshop on OpenSees: A Finite Element Analysis software, Saturday, 26<sup>th</sup> August 2023, 10 am to 5.00 pm. Students got introduced to a new software on Finite Element Analysis.



Guest lecture and Interaction Arranged on 18<sup>th</sup> August 2023 of Mr. Suhas Joshi. He is currently serving as DGM-Projects at Kalpataru Projects International Limited. His expertise lies in streamlining processes and taking organizations to new levels of repute in the fields of finishing and interior works.



Teachers Day Celebration Program was organized by Civil Engineering Students' Association (CESA) on 5<sup>th</sup> September 2023

**Patents:**

Sr.No.	Name of Patent	Name of Faculty	Date	Patent No. /Design No
1	Smart Solar Electricity Generator Device	Dr. Pratap Ganpati Sonavane.	15/06/2023	388414-001
2	Conduit Separator Cover for Transmission Line	Dr. Pratap Ganpati Sonavane.	15/06/2023	388413-001

## Mechanical Engineering Department

Mechanical Engineering Department was established in 1955. Currently it is running one undergraduate program i.e. B. Tech in Mechanical Engineering with intake of 60 seats and three post graduate programs i.e. M. Tech in Mechanical-Production Engineering; program with intake of 30 seats, M. Tech in Mechanical - Heat Power Engineering; program with intake of 18 seats and M. Tech in Mechanical - Design Engineering; program with intake of 30 seats. The Mechanical Engineering Department is also recognized as a Research Centre for Doctoral Program. Students who wish to do Ph. D. are enrolled through Shivaji University, Kolhapur, AICTE's Quality Improvement Program (QIP) and AICTE's Doctoral Fellowship program (ADF). Currently 2 PhD candidates are enrolled through QIP and 6 candidates are pursuing PhD ADF Program.

The Mechanical Engineering Department is accredited by National Board of Accreditation i.e. NBA up to June 2022. The undergraduate program is accredited four times by NBA and the postgraduate programs are accredited three times by NBA. The department has highly qualified and experienced faculty members. About 70 % faculty members from the department have doctorate degrees. All faculty members are working in different research areas such as Design Engineering, Production Engineering and Heat Power Engineering.

#### **Publications:**

1. Aarbaz Mutwalli, Jamil Dabir and Maruti Khot, "Design of Material Handling System for Process industry", International Advanced Research Journal in Science, Engineering and Technology, Volume 10, Issue 7, July 2023.
2. Shubham S. Patil and K.H. Inamdar, "Vibrational analysis of vehicle coil spring suspension with urethane buffer", GRADIVA REVIEW Journal, Volume 9, Issue 8, August 2023.
3. Aarbaz Mutwalli, Jamil Dabir and Maruti Khot, "Finite Element Analysis of Material handling System Component", International Journal of Engineering & Management Research, Volume 13, Issue 4, August 2023.
4. Akshay Soudagar, A.S. Bhandare, U.A. Dabade, S.V. Gaikwad and R.R. Rajguru, "Experimental Investigation of End-Milling Parameters During Machining of Inconel 625", 1st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges, 23-25 June 2023.
5. S.N. Dhisale, V.B. Nikhumbhe. P.P. Kerkar, H.P. Hinge, A.D. Revgade and U.A. Dabade, "Development of Integrated Customer Relationship Management Tool for Predictive Analytics in Supply Chain Management", International Conference Data Analytics in Public Procurement and Supply Chain, Applications of Emerging Technologies and AI/ML Algorithms. ICDAPS 2022. Asset Analytics. Springer, Singapore, pp 335–348, 02 July 2023.
6. Rahul Bhedasgaonkar and Uday A. Dabade, "Optimization of Process Parameters by Taguchi based Grey Relational Analysis in Machining of AISI 4340 using Hybrid Nanofluids MQL", 2023 Fourth International Conference on Advances in Physical Sciences and Materials (ICAPSM 2023), Coimbatore – India, 17 - 18, August 2023.
7. Mr. Anand S. Shivade, Sagar U. Sapkal, "Application of Lot Size Techniques to Inventory of Gear Box Manufacturing Industry", 4th International Conference on Functional Materials, Manufacturing and Performances (ICFMMP-2023) organized by Department of Research Impact and Outcome, Research and Development Cell, Lovely Professional University, Punjab, August 25-26, 2023.

#### **Students Achievements:**

1. Ms. Tanvi Patil, TY B.Tech. student, selected as NEP SAARTHI by UGC, 21 Sep 2023.
2. Ms. Vatsala D. Singh admitted for Higher Education at University of Michigan, Ann-arbour for AY 2023-24.
3. Mr. Kedar D. Kulkarni admitted for Higher Education at University of Wisconsin-Madison for AY 2023-24.
4. Ms. Gauri Mohite, Final year B.Tech student completed Internship at University of Guelph, Ontario, Canada, 12 June 2023- 09 September 2023.

#### **Faculty Achievements:**

1. Dr. M. M. Khot selected as a mentor for S.Y. B. Tech. students group for Engineering Design Internship Program by La Fondation Dassault Systemes, 22 July 2023.
2. Dr. S. U. Sapkal selected as a mentor for S.Y. B. Tech. students group for Engineering Design Internship Program by La Fondation Dassault Systemes, 22 July 2023.
3. Dr. S.U. Sapkal - External Examiner for the Final Year B. Tech. (Mechanical) 2022-23 Sem-VIII at RIT Rajaramnagar, 15 June 2023.
4. Dr. K.H. Inamdar, nominated on Board of Studies (BOS) in Mechanical Engineering, Government College of Engineering, Karad, 14 July 2023.
5. Dr. K.H. Inamdar attended meeting of Board of Studies (BOS) in Mechanical Engineering, Government College of Engineering, Karad, 18<sup>th</sup> July 2023.
6. Dr. S.U. Sapkal - subject expert in an interview panel at SGIT Kolhapur on 02<sup>nd</sup> July 2023.
7. Dr. S.U. Sapkal attended an open house for a live demonstration of Verisurf - world's leading universal software, at Accurate Industries in Pune, July 24, 2023.
8. Dr. S.U. Sapkal attended online meeting of Board of Studies (BoS) in Mechanical Engineering & Technology, by Shivaji University, Kolhapur, 24<sup>th</sup> July 2023.
9. Dr. S.U. Sapkal - external examiner for the M.Tech. Final Review (Phase-II) exam at Cummins College of Engineering for Women in Pune, 24 July 2023.
10. Prof. A.B. Admuthé - external examiner for the Aerospace Materials & Strengths course for SY B.Tech. Aeronautical students at ADCET Ashta, August 24, 2023.
11. Prof. R.M. Chanmanwar, attended Faculty Development Programme (FDP), on "Effective Curriculum Implementation", conducted by Curriculum Development Centre Department at Institute of Chemical Technology, Matunga, from 24 July 2023 to 28 July 2023.
12. Dr. U A Dabade - Thesis evaluator and examiner for Viva of Ph. D (Mechanical Engineering) of Mr. Rohan Kothurkar, of K. J. Somaiya College of Engineering (An Autonomous college Affiliated to University of Mumbai) on 11/09/2023 Monday at 11am (Online) on the topic, "Computational Modeling and Analysis of Knee Joint for Deep Squat Activities".

## Electrical Engineering Department

The Electrical Engineering Department of Walchand College of Engineering, Sangli was established in 1955, running the UG program since 1955 and PG programs in Power System Engineering and Control System Engineering since 1971. It has 65 years of a long history of technical education. Electrical Engineers produced by this department have contributed to industrial development over the last 60 years at the national and international levels. The Department has a team of 16 faculty members and well-qualified staff.

The department presently has well-equipped laboratories and excellent computational facilities. World-class software like MATLAB, LabVIEW, TIA, Mi-Power, OPAL-RT, ANSYS, Proteus, etc. are available in the department to work on projects in various areas of electrical engineering. The indigenously developed laboratory setups are attracting the attention of various institutes nearby. The department is always enthusiastic about conducting various courses and workshops for the faculty and students to permeate advances in technology. All undergraduate, postgraduate and Ph.D. students thereby get full opportunity to participate in co-curricular and extra-curricular activities leading to holistic personality development.

The department hosts a diverse and vibrant research portfolio in different areas of Power System, Control System, Power Electronics, Automation with the help of specialized equipment like Siemens S71200 PLC with Total Integrated Automation, Transmission Line Simulator, Quadruple Tank System, Twin Rotor MIMO System, Single Board Heater System, Inverted Pendulum, Continuously Stirred Tank Reactor, Vector Controlled Induction Motor Drive, Efficient PM machines, Numerical Relay Development Environment, NN and Fuzzy Controllers, Power Converters and Drives, Three-phase Five-Level Cascade Multilevel inverter, Power quality analysis, etc. The department also has excellent testing facilities in the area of power systems and power electronics. The research activities of our faculty lead to an extraordinary enrichment of the experience of our students that is realized at both the graduate and undergraduate levels. Over the years, the Electrical Engineering Department has evolved to reach and hold a unique position of pride in the Technical Education System.

### Patents:

1. Deep Learning Based Framework for Automated Accident Detection of Vehicles Based on Multimodal Sensors, Mr. A. N. Inamdar, App No: 202341047266, 01/09/2023
2. Conduit Separator Cover for Transmission Line, Mr. S. S. Karvekar, App No: 388413-001, 06/09/2023

### Publications:

1. Dr. V. P. Mohale, "Investigation of DC-Link Stabilization through BESS for DFIM-Fed Hydropower Unit under Grid Faults", Paper Accepted at IEEE Systems Journal
2. Ankita Pakale, Prof. M. S. Mahagaonkar, "Power Quality Improvement of Microgrid by using DVR", International Journal of Engineering Research & Applications Volume 13, Issue 7, July 2023, Page No. 69-75
3. Prashant Dattatray Jawale, Mr. Vikram Sathe, "Evaluation of the electricity and Electricity standby Power supply system of WCE", Quaderns, 1138-5790, 14 June 2023.
4. Mrunal Pandhre, Mr. Vikram Sathe, "Improve motor performance by handling interference using IOT", Gradiva Review Journal, ISSN No.: 0363-8057, June 2023
5. Pallavi Chavan, M S. Mahagaonkar., "Peak Load Management in Commercial Systems with energy storage system", Quaderns, 1138-5790, June 2023.
6. Dr. D. S. More, "Degradation Assessment of Oil-Impregnated Paper Insulation for Converter Transformer Based on FDS using Digital Image Processing", SSRG International Journal of Electrical and Electronics Engineering, vol. 10, no. 8, pp. 9-22, 2023
7. Dr. D. S. More, "Health assessment of converter transformer pressboard insulation based on FDS and digital image processing", Measurement: Sensors, Volume 29, 100873, 2023.

### Faculty Achievements:

1. Dr. D. S. More organized a guest lecture of Mr. Sumit Patil, Alstom Transport India Ltd, Bengaluru on 18 August 2023 on "Electric Railway Traction System" for Final Year B. tech Electrical Engineering students.
2. Mr. N. V. Patel has arranged a Guest lecture by Dr Shridhar Velhal on topic Multi-Agent system on 6 September, 2023 for TY B. Tech. Electrical class.
3. A MOU is signed between M.S.E.D.C.L, Institute of Training and Safety Eklahare, Nashik-422105 and Walchand College of Engineering, Sangli.
4. Dr. V. P. Mohale attended a Webinar on Artificial Intelligence Applications in Power Systems, Organised by IEEE PES SBC CET in collaboration with the Young Professional group from the IEEE PES Kerala chapter on 19<sup>th</sup> August 2023.
5. Dr. V. P. Mohale attended 5 –Days FDP on Recent Trends in Smart Energy Market (AI/ML, Block chain applications), Organized by the Department of Electrical Engineering in association with the Centre for Training & learning, national Institute of Technology , Warangal, during 3<sup>rd</sup> -7<sup>th</sup> July, 2023

5. Dr. V. P. Mohale attended 5 –Days FDP on Recent Trends in Smart Energy Market (AI/ML, Block chain applications), Organized by the Department of Electrical Engineering in association with the Centre for Training & learning, national Institute of Technology , Warangal, during 3<sup>rd</sup> -7<sup>th</sup> July, 2023
6. Dr. V. P. Mohale attended STTP on Sustainable Technologies & Energy Management of Hybrid Microgrid (STEMM-2023), Organized by Department of Electrical Engineering from 12 to 16 July-2023 at National Institute of Technology Rourkela Rourkela-769008, Odisha, India
7. Dr. R. P. Hasabe attended one-week FDP on IDEA Lab, DCRUST, Sonapat from May 29-June 02, 2023.
8. Mr. S. S. Karvekar attended Online STTP on Recent Trends in Modeling and Control of Dynamical Systems (RTMCDS -2023), Organized by the Department of Electrical Engineering from June 23-27, 2023.
9. Mrs A. S. Karvekar & Mr. S. S. Karvekar attended 5 days online STTP on Recent Trends in Smart Energy Market (AI/ML, Block chain applications), Organized by NIT Warangal in online mode from 3<sup>rd</sup> to 7<sup>th</sup> July 2023.
10. Mr. A. B. Patil attended STC on IoT with Machine learning during 14<sup>th</sup>-18<sup>h</sup> July 2023 at IIT, Khragpur.
11. Mr. A. B. Patil attended STC on VLSI to System Design from 31<sup>st</sup> July-4<sup>th</sup> Aug. 2023, organized by ATAL program. , AICTE, New Delhi.

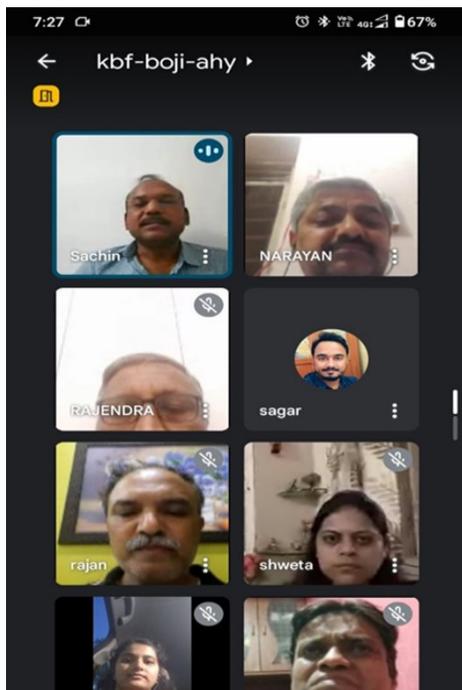
## Electronics Engineering Department

The Department of Electronics Engineering was established in 1986 to offer both graduate and post graduate programs at Walchand College of Engineering, Sangli. Its Curriculum is developed in such a way that it will nurture critical thinking, creativity and professional skills in students.

The Electronics Engineering Department runs programs of Diploma (Industrial Electronics), B. Tech. (Electronics Engineering) and M. Tech (Electronics Engineering). Department is recognized as a Ph. D. research centre for the following schemes: AICTE's Doctoral Fellowship Scheme, Govt. of India's Quality Improvement Program and Shivaji University, Kolhapur. Department is accredited by the National Board of Accreditation, New Delhi.

The Electronics Engineering Department has a well-qualified faculty, having expertise in various Electronics Engineering streams like Communication and Signal Processing, Embedded Systems and VLSI, Instrumentation and Control Systems. The faculty members at the Department have published several book and book chapters, research work in peer reviewed high impact National and International indexed search journals like IEEE, Springer Publications, Wiley Publications etc.

Our students are placed in different reputed companies like John Deere, Seagate Technologies, Cadence, Thought Works Philips, EATON India, L & T, Hella Automotive and many more. Our students are placed in software companies like Infosys, TCS, Siemens, Cognizant, Accenture and many more.



Electronics Department has conducted Online Interaction Meeting with Parents and Alumni as a part of NEP Week on 29th July 2023. Discussion was held on NEP Curriculum and Structure.



A MoU of Electronics department with Go-Green Technologies Pvt. Ltd. Mumbai has been signed on 25th July 2023. The objective of this MoU is to engage R & D work in field of Real time hardware and software development and for developing students community etc.



A MoU of Electronics department with SP-IT, Mumbai has been signed on 25th July 2023. The objective of this MoU is to enhance student Technical activities, Internship programs and extra credits, IoT lab Setup and fast learner program etc.

**Patents:**

1. Prof. Dr. S. D. Ruikar, "MULTIBAND MIMO ANTENNA", Design No: 388415-001, Date: 15-06-2023
2. Dr. A. A. Agashe, "Smart Solar Electricity Generator Device" design Number 388414-001 Dated 15/06/2023

**Publications:**

1. Balkrishna Ramchandra Limaye, Dr. G. Tamhankar" Smart Energy Monitoring Node", International Journal of Engineering and Management Research, Volume 13, Issue 3, 30 June 2023.
2. Balkrishna Ramchandra Limaye, Dr.S. G. Tamhankar" Smart Energy Monitoring Node", Social Science Research Network, 18 July 2023
3. A research paper by Ms. M. R. Khare and Dr. R. H. Havaladar, on "Predicting the Anterior Slippage of Vertebral Lumbar Spine using Densenet-201", is accepted at Biomedical Signal Processing and Control- 18 June 2023.
4. Vaishali G. Waghmode, Dr. S. D. Ruikar, Dr M. M. Patil, "IOT Based Epilepsy and Paralyzed Patient Support System", Gradiva Review Journal, Page No: 129-138 (ISSN No: 0363-8057)
5. Pranali Pramod Vasudev, Dr. S. D. Ruikar, Hospital Management System, Gradiva Review Journal, and Page No: 165-176 (ISSN No: 0363-8057).

**Students Achievements:**

1. Third Year Electronics Engineering had submitted ideas for AICTE 'The Inventors challenge 2023'.

**Faculty Achievements:**

1. Dr. S. D. Ruikar has participated in one-week online FDP on "Antennas for 5G communications and Beyond" organized by department of Electronics and communication Engineering, Aditya Engineering Collage (A), Surampalem in association with IETE from 3rd -8th July 2023.
2. Mrs. N. S. Babar, successfully completed Udemy online course on AI and Deep Learning with MATLAB on 4 July 2023.
3. Ms. S. U. Patil, Mr. S. R. Khedkar and Ms. N. S. Babar attended Cognizant Faculty Enrichment Program I Train the trainer session on Block Chain Technology held on 7<sup>th</sup> July, 2023.
4. Dr. S. D. Ruikar has participated in 5 Days Short term course on Emerging Trends in Electronics Communication from 18-22 July 2023 organized by Bharati Vidyapeeth College of Engineering, New Delhi
5. Ms. Navnee S. Babar has attended online one week FDP on "Outcome Based Education for effective Learning and Teaching" during 19-27th July 2023 organized by Association of Indian Universities and Amity University.
6. Prof. N. V. Marathe invited as a speaker for the topic "Challenges in Engineering in view of Information Explosion" in the event of IBSYWLC'23(IEEE Bombay Section's Student, Young Professionals, Women in Engineering, and Life Member Congress).
7. Ms. S. U. Patil, Mr. S. R. Khedkar and Ms. N. S. Babar attended Cognizant Faculty Enrichment Program I Train the trainer session on "Data Science & AI/ML" - 21<sup>st</sup> July, 2023.
8. Ms. S. U. Patil, Mr. S. R. Khedkar and Ms. N. S. Babar attended Cognizant Faculty Enrichment Program I Train the trainer session on "Cyber Security" – 4 August, 2023.
9. Dr. S. G. Tamhankar has appointed as a Review committee member for Centre of Excellence at VJTI Mumbai. First meeting held on Aug. 12, 2023 in online mode.
10. Ms. S. U. Patil, Mr. S. R. Khedkar and Ms. N. S. Babar attended Cognizant Faculty Enrichment Program I Train the trainer session on Cloud Computing held on 18th August 2023.
11. Dr. S. D. Ruikar, Prof. R. G. Mevekari, Prof. S. K. Parchandekar, Prof. M. R khare, Prof. S. R. Khedkar and Prof. N. S. Babar received a Participation Certificate on Arm India VLSI to System Design: Silicon to End Application Approach which was held during 31st July to 4th August 2023.
12. Prof. D. R. Chavan has attended the 13th India-Japan Science and Technology Conclave: International Conference on Frontier Areas of Science and Technology (Icfast-2023) held on 8th and 9th Sept 2023 at Shivaji University, Kolhapur.
13. Prof. R.G. Mevekari, Prof. S. K. Parchandekar attended STTP on Emerging Trends in AI and ML during 8th to 12th August 2023 at Rajashri Shahu College of Engineering, Pune.

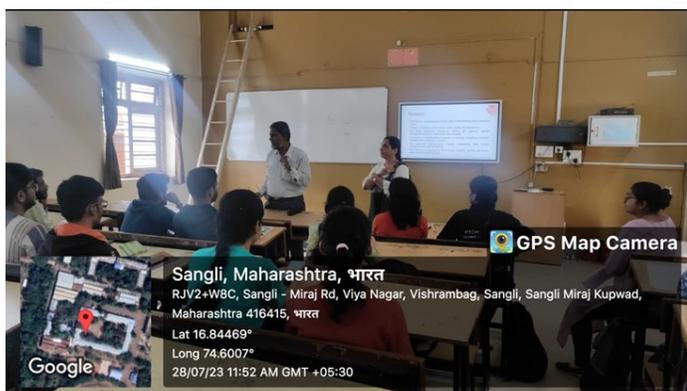
## Computer Science & Engineering Department

The Department of Computer Science and Engineering - Walchand College of Engineering, Sangli was established in 1986. The department has contributed in producing several eminent engineers who are in key positions of the Government organizations, public sector and Multinational companies and have brought in significant contributions in various regions of India. Alumni of the department can be found in all public and private sector organizations operating in diverse fields, holding senior key positions in the organizations.

The Department offers a four-year course leading to a Bachelor's Degree in Computer Science and Engineering (B. Tech.) and a two-year course leading to a Master's degree (M. Tech.) in Computer Science and Engineering. The curriculum contains mandatory as well as elective courses and has various tracks and a choice-based credit system with balanced theory, laboratory and project-oriented courses. The track system provides the students; the flexibility to choose the elective courses based on the aptitude, interests and career plan of students. Courses and course contents are designed by taking inputs from Industry Consultation Committee (ICC). This makes the curriculum of these programmes dynamic, in-line with the current trends of the Computer and IT Industries. These programmes attract meritorious students every year at the entry level for both UG and PG programmes.

The department also provides research guidance to Ph.D. students of Shivaji University, Kolhapur. Running of Ph.D. programme in the CSE department has boosted the research culture further. The department is a recognized research center of Shivaji university of Kolhapur and Admissions are under NDF, ADF schemes, and also a minor center for QIP research scheme. Students of the department are engaged in various co-curricular and extra-curricular activities. They proactively participate in different prestigious competitions and have also won various national level coding competitions such as Hackathons. The Placement of UG students for the past three years has been consistently above 85%. The Department is known for its reputed faculty having expertise in diverse fields. The faculty has contributed research papers in various Journals and Conferences. It has built up a wide research potential in Computer Science and Engineering. The department has well-equipped engineering laboratories in the fields of Deep Learning, Image Processing and Computer Vision, IoT, Artificial Intelligence and Machine Learning. Apart from the Central computing facility, the department has its own computing facility and continuous internet access.

### Major Department Activities:



CSE Department conducted a meeting with Students, Parents, and Alumni regarding NEP 2020 Awareness as part of the celebration of NEP 2020 week on 28.07.2023.



Guest Lecture delivered by Ankita Patil working at Amazon on "Data Analytics" to Third Year Students (Date: 25/08/2023)



Advanced Robotics and Automation Lab setup in association with Wisefinch Robotics and Automation Pvt. Ltd.

**Patents:**

1. Dr. A. R. Surve with 3 UG students Prathmesh More, Saurabh Patil and Nilay Shirke filed a patent on 14 July 2023 “Smart Tracking, Monitoring, and Communication Device for Automated Criminal Detection and Suspicious Activity” (application no-202321047511)

**Copyright:**

1. Ms. N. L. Mudegol with 3 UG students Sweety Gupta, Kshitij Sabale, Vishal Borse submitted the Copyright “Notelt: A note-taking web app with Chrome extension”

**Publications:**

1. Ms. Prachi Chobhare, Ms. Gayatri Bagul, Mr. Harshad Soyam, Mr. Rahulkumar Pardeshi, Mr. S. D. Pujari, “Development of IoT-based Smart Bin System for effective Garbage Management”, Grenze International Journal of Engineering and Technology, June Issue, Volume 9, Issue 2, June 2023
2. MS. Sonali S Rokade, Dr.Nilamadhab Mishra and Naresh Kamble, “BHAS: A Blockchain-Based Healthcare Analytic System to Manage Privacy and Scalability Concerns”, Grenze International Journal of Engineering and Technology, June Issue, Volume 9, Issue 2, June 2023
3. Naresh Kamble, Nilamadhab Mishra, Sonali Rokade, “Phishing Attack Detection using NLP and Machine Learning”, Grenze International Journal of Engineering and Technology, June 2023
4. Amruta Chimanna, Yashraj Patil, “Text Summarizer and Translator using NLP”, Hinwesis second International Conference on Networking, Communication and Computing Technology (NCCT-2023), 26 Aug 2023
5. Manisha Dabade, “Automatic Bone Cancer Detection- a Comprehensive Survey”, Hinwesis second International Conference on Networking, Communication and Computing Technology (NCCT-2023), 26 Aug 2023.

**Students Achievements:**

1. Mr. Prajwal B Yadav selected for the course Master in Science in Cyber Security in National College of Ireland, Dublin.

**Faculty Achievements:**

1. Dr. Mrs. M. A. Shah and Ms. N. L. Mudegol attended 3 days of IEEE program IB-SYWLC’23 at ADCET, Ashta on 23.06.2023 to 25.06.2023.
2. Ms. A. S. Pawar, Ms. N. L. Mudegol and Mrs. S. A. Aitwade successfully completed the certification examination of the Apple certified trainer for App Development with Swift in June 2023.
3. Dr. Mrs. M. A. Shah appointed as a member of BoS (Artificial Intelligence and Data Science Department) at Vishwakarma Institute of Technology, Pune.
4. Dr. A. R. Surve participated in the BoS meeting as BoS member at Government College of Engineering, Karad on 17.07.2023.
5. One-week FDP organized by Department of Information Technology, Computer Science & Engineering & CDAC, Pune Under Nation Supercomputing Mission (NSM) On HPC (Date:26.07.2023 to 30.07.2023). Faculty involved Dr. Mrs. M. A. Shah (Committee member & Resource Person), Mr. R. R. Patil (Committee member).
6. Mr. M. K. Chavan participated in 7 Day National Level Online Faculty Development Program on ChatGPT & AI Tools for Educators organized by Marian College Kuttikkanam (Autonomous) in association with The Kerala State Higher Education Council (Date: 14.06.2023 to 21.06.2023).
7. Dr. A. R. Surve and Mr. M. K. Chavan participated in One-week FDP organized by the Department of Information Technology, Computer Science & Engineering & CDAC, Pune under Nation Supercomputing Mission (NSM) On HPC from Date: 26.07.2023 to 30.07.2023.
8. Dr. A. R. Surve participated in online FDP on Education 4.0 in Higher Education organized by Department of Computer Engineering, VIIT, Pune from 31.07.2023 to 04.08.2023.
9. Mr. R. R. Patil, Mrs. M. S. Dabade attended online FDP on “Current Practices, Recent trends in Machine Learning and Deep Learning” organized by Department of Information Technology, STES’s Sinhgad Academy of Engineering, Pune from 07.08.2023 to 11.08.2023
10. Dr. V. N. Waghmare participated in 1 week FDP on “Advanced Excel for Data Analytics” organized by PCET’s Pimpri Chinchwad College of Engineering & Research, Ravet, Pune from 07.08.2023 to 12.08.2023
11. Dr N. L. Gavankar and Dr. V. N. Waghmare participated in One Week National Level FDP on Cloud Infrastructure (AWS) organized by Potti Sreeramulu Chaluvadhhi Mallikarjun Rao College of Engineering and Technology, Andhra Pradesh in collaboration with Brainvision Solutions India Pvt Ltd and AICTE from 21.08.2023 to 25.08.2023.
12. Ms. S. S. Rokade completed 2-week training on “Robotic Process Automation Fundamentals” organized by UiPath (Date: 12.07.2023).
13. Mr. M. K. Chavan completed workshop on “ChatGPT and AI Hacks in MS Office” organized by Skill Nation on 26.08.2023
14. Mr. Amol B Majgave, Mr. Amol G Patil, Mr. Balaji S Sawant registered for PhD. Guide Name: Dr. N. L. Gavankar

## Information Technology Department

Information Technology (IT) Department was established in 2001 with an Under-Graduate (UG) programme and then Post Graduate (PG) was started in 2012. Both UG and PG programmes are NBA accredited. The curriculum contains professional core courses, professional elective courses, open elective and professional elective has five tracks. The track system provides the students; the flexibility to choose the elective courses based on the aptitude, interests and career plan of students. Courses and course contents are designed by taking inputs from Industry Consultation Committee (ICC).

Department offers Certifications for Minor in Artificial Intelligence-Machine Learning (AI-ML) and Web Development (WD), Honor in Block-chain Technology (BCT), Software Project Development (SPD), IT System & Management (ITSM) and Value Added Courses (VAC) like Cloud Computing: Industry Driven Approach, Machine Learning using Python and Responsive Web Design. IT Department also provides support for research guidance to Ph.D. (CSE) of Shivaji University, Kolhapur, under ADF and QIP schemes.

Department has consistent performance in academics and placement. Department has highly equipped and updated nine laboratories for UG and PG. Department has received various research projects/fundings from National/International agencies like DRDO/ AICTE/ DST/ Nvidia/etc. Department best practices are- e-learning motivations through Open Electives and professional Electives form MOOC (massively open online courses), 24x7 Lab availability lab with 800Mbps internet facility, use of Free & Open Source Software and Tools to learn the curriculum. Students are engaged in various co-curricular and extracurricular activities of SAIT, WLUG, PACE, etc .

### Major Department Activities:



One week faculty development program (FDP) on High Performance Computing held during 26 - 30 July 2023 in hybrid mode, organized jointly by Department of Information Technology and Department of Computer Science & Engineering in association with Centre for Development of Advanced Computing(C-DAC), Pune under the aegis of Nation Supercomputing Mission (NSM).

**Convener:** Dr. D. B. Kulkarni

**co-ordinator:** Dr. U. B. Chavan

**Number of Participants:** 32.

### Publications:

1. Dr. Prashant Kharat and final year IT student Vaibhav Chaudhari, Himanshu Maurya, Shubham Junghare presenting/ contributing a research paper titled "An Inventory Management using Cloud Function and Protocol Buffer for Improved Efficiency" in the 8th International Conference on Computing in Engineering and Technology 2023 (ICCET 2023) at National Institute of Technology Patna, Bihar, India on 14-15/07/2023.

### Faculty Achievements:

1. Dr. D. B. Kulkarni, Dr. U. B. Chavan and Mr. M. G. Rathi conducted One week Faculty Development Program (FDP) on High Performance Computing held during 26 - 30 July 2023 in hybrid mode, under the aegis of Nation Supercomputing Mission (NSM).
2. Dr. S. S. Solapure attended one week national level capacity building programme on Cyber Security and Forensics, KJ Somaiya Institute of Technology and Ramrao Adik Insti. Tech. Nerul, 19-24/06/2023
3. Dr. A. J. Umbarkar, attended two week online FDP on Entrepreneurship organized by Turnip, 25/07/2023 to 07/08/2023
4. Dr. A. P. Patil attended 7 Day National Level Online Faculty Development Program on Chat GPT & AI Tools for Educators, in-line with OBE, St Joseph's College (Autonomous), Irinjalakuda, 19-26/07/2023
5. Dr. A. P. Patil attended 5 days' workshop on VLSI to System Design: Silicon to End Application Approach AICTE, Arm Education and STMicroelectronics, 31/07/2023 to 4/08/2023
6. Dr. U. B. Chavan attended 5 days FDP on "Artificial Intelligence and Data Science: Perspective, pedagogy and Practices", AICTE & Jio Institute, Navi Mumbai, 21-25/08/2023
7. Dr. D. B. Kulkarni, Mr. M. G. Rathi attended 5 days FDP on Cloud infrastructure, AICTE MOE sponsored, 21-25/08/2023
8. Dr. S. S. Solapure, attended "IEEE India Blockchain Forum: Blockchain, Metaverse and Web 3.0" Indian Institute of Science (IISc), Bangalore, 8-9/09/2023
9. Dr. U. B. Chavan attended one day workshop organized on IEEE for library for TY students and faculty, WCE Library, 13/09/2023.

10. Dr. D. B. Kulkarni, Expert session at Prof Karveer Manwade of Engineering College Sankeshwar for TY IT students on Parallel Programming, 02/09/2023.
11. Dr. P. K. Kharat delivered Expert talk on IOT & its applications at SIT, Ichalkaranji, 12/09/2023.
12. Dr. P. K. Kharat visited RND Lab Talegaon Dabhade, Pune for IOT Lab Development, 20/08/2023.
13. Dr. S. S. Solapure visited RIT College ATAL Lab and had interaction with Dr. Rao, 1/09/2023.
14. Dr. S. S. Solapure worked as reviewer for AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON), Nitte Meenakshi Institute of Technology, Bengaluru, 1-2/09/2023

## Applied Mechanics Department

The Applied Mechanics department deals with the field of Structural Engineering. The department also caters the needs of the other departments in the core subjects of Engineering Mechanics. All the Structural Engineering subjects for the B. Tech. Programme in Civil Engineering are also handled by this department. The department conducts the PG Program of M. Tech. in Civil-Structural Engineering which is accredited by NBA. The department is recognized research center by Shivaji University, Kolhapur and Quality Improvement Programme (QIP) for Doctoral Programme. This department has a rich tradition of carrying out a large amount of consultancy work in the field of structural engineering.

Applied Mechanics Department has been providing consultancy & testing in the field of structural engineering over the last 50-55 years. Most of the works are referred to the department by state Governments, Semi-government, Grampanchayats, Directorate of Municipal Administration, Railways, Private institutions and private parties. The department is well equipped with software for consultancy and equipment with expert faculties and lab assistants for testing of material. The department also provides concrete mix design and consultancy for seismic evaluation and various strengthening techniques for various civil engineering structures.

### Major Department Activities:



Industrial visit organized for S.Y. MTech students to “Ultratech-Ready Mix Concrete Plant” at Savali on 13 Sept 2023 by Dr. Prachi Sohoni and Shri A. S. Patane.



Dept. organized one day workshop on “Research Publication writing “on 16<sup>th</sup> June 2023 Activity Coordinator : Dr. C. B. Pol and Dr. P. K. Sohoni.

### Patents:

#### Published/Granted

1. Patent Published “A Method of Working of Vibration Isolation System Using Phononic Material in a Structure” Application No: 337358-001, dated 08/01/2021 by Pradeep Borde, Dr. S. B. Kadam, Dr. S. N. Tande, Mr. S. D. Jagtap, Mr. V. P. Mohale.
2. Patent published entitled “Vibration Isolator” in Australian Government IP Australia Certificate of Registration Design Number: 202114485 dated 17<sup>th</sup> March 2022 by Rahul Bamane, Dr. S. B. Kadam, Dr.P.H. Sawant, Dr. S. N. Tande, V.P Mohale, S.D. Jagtap et.al.

#### Submitted

1. Patent entitled “Ultra High Strength Nano-concrete Voided Slab using Hexagonal Shear Reinforcement” Application no-202121014298 / Temp/E-1/15260/2021-MUM, submitted by Dr. C. B. Pol.
2. Patent entitled “High Performance Post Tensioned Nano Concrete Slab” Application no-202121027852/ Temp/E-1/15345/2021-MUM, submitted by Dr. C. B. Pol.

### Publications:

1. C.R. Mente and S.N. Tande "Seismic Performance of High Rise Building with Normal and Oblique Column" 4th International Conference on Engineering and Advancement in technology 2023 held on 16th and 17th June 2023.
2. C.R. Mente and S.N. Tande "Non Linear Static Analysis of High Rise Building with Normal and Oblique Column" Structures Journal STRUCTURES-D-23-03707.
3. Amit Pawar and Dr. S.N. Tande "Seismic Analysis of RC Building on Sloping Ground" International Journal of Civil, Structural, Environmental And Infrastructure Engineering Research And Development (IJCEIERD); ISSN (Online): 2249-7978; ISSN (Print): 2249-6866;
4. S.S. Khot and Dr. S.N. Tande "To Study the Effect of Lateral Loads on RCC Frame Building with Different Masonry Infill's by Considering Masonry Infill as An Equivalent Diagonal Strut Element. 4th International Conference on Engineering and Advancement in technology 2023 held on 16th and 17th June 2023.
5. Sharikmaslat A,S. and Dr. S. N. Tande, "Structural Diagnosis, Repair and Retrofitting of RCC Structure" International Research Journal of Engineering and Technology (IRJET) Volume: 10 Issue: 03 | May 2023 e-ISSN: 2395-0056.
6. Rohit Jadhav and S.N.Tande "*Seismic performance of G+10 RCC frame with base isolation system using time history analysis*" 4<sup>th</sup> International Conference on Engineering and Advancement in technology 2023 held on 16<sup>th</sup> and 17<sup>th</sup> June 2023.
7. Rohit Jadhav and S.N. Tande "Seismic Performance of Building Frames With Base Isolation System Using Time History Analysis" Structures Journal STRUCTURES-D-23-03440.
8. Shweta Mule, Dr. S. N. Tande and B.B. Sawant "Elasto-Plastic Behavior of Doubly Curved Shell" International Journal of Civil, Structural, Environmental And Infrastructure Engineering Research And Development(IJCEIERD); ISSN (Online): 2249-7978; ISSN (Print): 2249-6866;
9. S. A. Nade and Dr. S. N. Tande "Seismic behavior of Carbon Fiber Reinforced Polymer upgraded RC beam column joint" 4<sup>th</sup> International Conference on Engineering and Advancement in technology 2023 held on 16th and 17th June 2023.
10. P.P. Phadnis, R.M.Desai, S.N.Tande, P.P.Dhumal "Fragility analysis of masonry infill R. C. frame using incremental dynamic approach" Asian Journal of Civil Engineering <https://doi.org/10.1007/s42107-023-00719-w>. Published online 29 May 2023.
11. Shrinath Jadhav and B. B. Sawant "Seismic Analysis of Asymmetric Building with Different Base Isolation Systems." in National Conference on Civil and Mechanical Engineering (NCCME - 23) 22nd July 2023 Jaipur, India.
12. Shreya Sumant and Dr. P. K. Sohoni "Long Term Performance of prestressed box girder uses ultra-high-performance concrete" Structures Journal Elsevier.
13. Aleem Munshi and Dr. S. B. Kadam "Application of improved continuum model for construction stage analysis of suspension bridge" Elsevier Journal Engineering Structures.
14. Mr. Digambar Patil, Rushikesh Jadhav, Dhansahree Gajankush, Dr.Prachi Sohoni and Dr. S. B. Kadam." Effective location of shear wall in torsionally imbalanced Reinforced Concrete Tall Buildings Under Lateral Loading" Taylor and Francis AICTE Sponsored 2nd International Conference on Latest Trends in Engineering and Technology held at Chandigarh Engineering College, Jhanjeri, Mohali During 13-14<sup>th</sup> July 2023.
15. Mr. Digambar Patil and Dr. S. B. Kadam." Evaluating the performance of Reinforced concrete Road Bridges: A functional Analysis" Taylor and Francis AICTE Sponsored 2nd International Conference on Latest Trends in Engineering and Technology held at Chandigarh Engineering College, Jhanjeri, Mohali During 13th-14th July 2023.
16. Abhinandan Katte and Dr. Prachi Sohoni "Assessment of horizontally connected high rise buildings under Earthquake loading" 4th International Conference on Engineering and Advancement in technology 2023 held on 16<sup>th</sup> and 17<sup>th</sup> June 2023.
17. Sourabh Chougule and Dr. Prachi Sohoni "Nonlinear analysis of steel fiber reinforced prestressed concrete T beam" 4th International Conference on Engineering and Advancement in technology 2023 held at Hyderabad on 16<sup>th</sup> and 17<sup>th</sup> June 2023.
18. Sufiya Sutar and Dr. Prachi Sohoni "Progressive Collapse Analysis of RC shear wall building" 4th International Conference on Engineering and Advancement in technology 2023 held on 16th and 17th June 2023.
19. Sourabh Naik and Dr. Prachi Sohoni "Comparative Analysis of Modelling Tools for Parabolic Arch Trusses: Evaluating the Superiority of Dynamo over AutoCAD and Excel" 4th International Conference on Engineering and Advancement in technology 2023 held at Hyderabad on 16<sup>th</sup> and 17<sup>th</sup> June 2023.
20. Shubham Bichkar and Dr. Prachi Sohoni "Time dependent material Analysis of Box Girder using Different Codes of Practice" in National Conference on Civil and Mechanical Engineering (NCCME - 23) 22<sup>nd</sup> July 2023 Jaipur, India.
21. "Seismic Analysis of Asymmetric Building with Different Base Isolation Systems."by Shrinath Jadhav (PG Student) and B. B. Sawant (PG-Guide) in National Conference on Civil and Mechanical Engineering (NCCME - 23) 22nd July 2023 Jaipur, India

### Student Achievements:

1. NDF research scholar Ms. Venushree S. Khanke has been completed Ph.D. on 19/08/2023 under the guidance of Dr. S. N. Tande.

### Faculty Achievements:

1. Dr. C. B. Pol attended one-week short term face to face programme on "To start teaching the fundamentals IKS courses" at UGC-Human Resource Development Centre, RTM Nagpur University Nagpur on 31<sup>st</sup> July 2023 to 5<sup>th</sup> August 2023.
2. Dept. organized one day seminar on "Effective Research Publication Writing" for Post graduate students First Year and Second Year M. Tech. Structural Engineering Students. On 16<sup>th</sup> June 2023.
3. Dr. S. B. Kadam delivers expert lectures on ICT course on "Defect free Construction Repair and Maintenance on 14<sup>th</sup> June 2023 at National Institute of Technical Teachers Training & Research, Sector 26, Chandigarh, 160019, India
4. Mr. B. B. Sawant attended Webinar on NSF-DST call for proposals on 11<sup>th</sup> July 2023.
5. Mr. B. B. Sawant participated in online software training program on "Open Rail Corridor Design" by BIM Technologies Bentley on 25<sup>th</sup> August 2023.
6. Shri. Atul Patane attended one-week National e-workshop on Innovation & Intellectual Property Rights by CSIR- Institute of Minerals and Materials Technology, Bhubaneswar, India during June 12-17, 2023

### Recent Major Consultancy Projects:

1. Third Party technical Audit of Srivardhan Water Supply Scheme under Maharashtra Suvarna Jayanti Nagarotthan Mahaabhiyan. Project Cost of Rs.22.25 Cr.
2. Third party technical audit of Shirol Water supply scheme under Amrut 2.0 Yojana sanctioned by Govt.of Maharashtra Project Cost of Rs.24.00 Cr.
3. Structural audit of Residential buildings of SAHIL co-op housing society at Chiplun. Est Cost of Rs.3.80 Lakh.

## Humanities and Sciences Department

The Department of Humanities and Sciences has been established with the goal of providing basic knowledge to the students enrolled in First Year B.Tech Programmes. Every year about 470 students are admitted in the First Year. This department is one of the most diverse department. It is located in a main building that has excellent lab facilities. This department offers comprehensive knowledge in the subjects like Mathematics, Physics, Chemistry, English, and Life science

In this department, each student gains a solid foundation in the fundamentals as well as critical thinking skills, learning motivation, intellectual discipline, and self-reliance, which are the bedrock of long-term professional success.

The faculty members of the department are highly qualified and knowledgeable in their respective fields. They assist students in understanding the subject and gaining knowledge. They also assist students in becoming responsible students by instilling moral, intellectual, and ethical principles in their behavior. The H&S department creates the groundwork for students by nurturing them in their key disciplines.

### Major Department Activities:



The 6<sup>th</sup> **Board of Studies Meeting** of the Department of Humanities and Sciences (Hybrid Mode) was held on 26<sup>th</sup> July 2023 at 11 am at WIC, WCE Sangli with the agenda Welcome by BOS Chairman, Brief information about the department, Celebration of NEP2020, Review of last BOS meetings, Current Credit Structure, New structure as per NEP 2020, Presentation of draft syllabus of Physics, Chemistry, Maths, English subjects for approval, Discussion and remarks and Vote of thanks.

### Publications:

1. A.A.Powar published his research paper as a co-author for Designing a TiO<sub>2</sub>-MoO<sub>3</sub>-BMIMBr nanocomposite by a solvothermal method using an ionic liquid aqueous mixture: an ultra-high sensitive acetaminophen sensor in Royal Society of Chemistry RSC Adv., 2023, 13, 21283–21295 ( 14 July 2023)

### Faculty Achievements:

1. A.A.Powar attended Online National Conference (Multidisciplinary) "A Multidisciplinary Approach Choice-Based Credit System in Higher education" Organized By Institute of Education at JJTU Rajasthan on 28<sup>th</sup> July 2023

2. A.A. Powar participated in Inter National Conference on Recent Advances on Green and Sustainable Development (ICRAGSD-2023) Organised by Akal University, Bhatinda Punjab from 6-8 Sep 2023.
3. Mr. M.S. Ali Assistant Professor delivered a guest lecture on the topic "Human Values and Personality Development" for F.Y. B. Tech students under Induction Training Program on Tuesday, 29/08/2023 at J.J. Magdum College Jaisingpur Dist: Kolhapur.

## R&D Cell Activities

### Three patents granted

- 1) Multiband Mimo Antenna
  - A. Walchand College of Engineering
  - B. Dr. Ruikar Sachin Deorao
  - C. Sarade Shrenik Suresh
- 2) Conduit Separator Cover for Transmission Line
  - A. Walchand College Of Engineering
  - B. Mr. Sushil Subhash Karvekar
  - C. Dr. Pratap Ganpati Sonavane.
- 3) Smart Solar Electricity Generator Device -
  - A. Walchand College Of Engineering
  - B. Dr. Mrs. Amrita Anil Agashe
  - C. Dr. Pratap Ganpati Sonavane

### Two AICTE ATAL FDP'S Sanctioned.

- 1) Emerging Trends in Electric Vehicle  
Co-ordinator: Dr. S. D. Ruikar  
Co-coordinator: Mr. Sachin Chavan  
Funds: Rs. 3,50,000/-
- 2) Recent Advances in Artificial Intelligence & Machine Learning  
Co-ordinator :Dr. M. A. Shah  
Co-coordinator : Dr. Anil Surve  
Funds: Rs. 3,50,000/-

## Polytechnique Wing Activities

### Major Activities:

1. Dr. B. B. Vhankhande had written a book on Basic Physics and it is published recently.
2. For First Year (All Branches) address was arranged on 17.08.2023
3. For First Year (All Branches) two lectures were delivered by Shri. J. Y. Mane, HOD, EE and Shri. H. P. Kulkarni, HOD, CE under induction program on 12.009.2023.
4. For NBA preparation 12 Contractual staff and 3 CHB staff has been appointed.
5. In this year also 100% admissions are carried out.



## Association of Computer Science and Engineering Students



GIM is an introductory event which is exclusively conducted for the first year students to get to know more about club and club culture. There was club introduction along with some fun activities in non-technical domain mainly organized for entertainment interactions and to improve students' network with seniors. The theme for GIM 2023 was Harry potter and it was conducted by Assistant Board. During GIM students are divided into teams to conduct activities.

## Electrical Engineering Student Association



The much awaited, Freshers-Centric event of EESA, the General Interest Meet (GIM) was conducted on 28th of August, 2023, at Walchand College of Engineering, Sangli.

The event kick-started on an energetic note with an interactive session with the First Year students to make them feel comfortable with the board members.

A detailed information was given about the various activities which take place in EESA such as the Weekly Club Services, Technocrat, Alumni Meet, Farewell, Corporate Social Activities, FE Special activities, Technovation and the EESA Talk.

The GIM was divided into the following sections:

1. Departmental Tour (along with a few fun activities)
2. Technical Session (focusing on the broad spectrum of Electrical Domain) & Informative session about EESA.
3. Group Building Activity

The GIM ended on a great note and enthusiasm with the students from FY making the following torch march forming the word EESA.



Session was conducted by our alumni, Mr. Pratik Patil (currently working in ONGC) for the students of SY and members of EESA at Walchand College of Engineering Sangli. The session aimed to provide valuable insights and guidance to aspiring candidates preparing for the Graduate Aptitude Test in Engineering (GATE).



For the first time ever, EESA in collaboration with PACE conducted a General Meet-up named Synthron. There were many sessions which took place throughout the Club Service. It included, Session on Current Affairs, a technical session, an informative session on meeting minutes and a group building activity followed by the Presidents' Desk of both the clubs. With a proper blend of the technical sessions and group building activity, the audience of the meet gained knowledge in both technical and non-technical aspects.

## Electronics Engineering Student Association

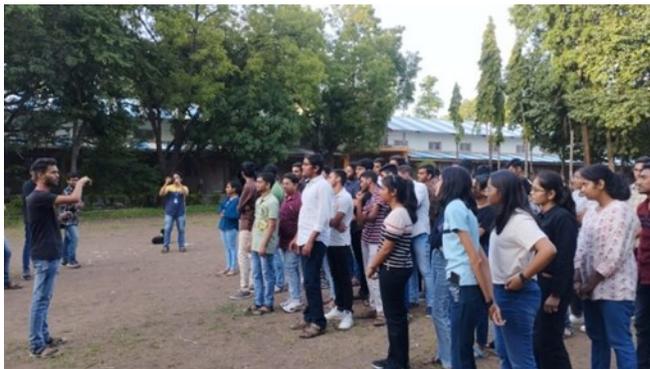


**Dates: 14 to 22 August, 2023.**

Meraki 2.0 is a monsoon special intra club event organized by Chief board members for Joint board members which was conducted in Hybrid mode. The event provided an opportunity to learn tech and non tech related skills, to promote knowledge sharing and collaboration among club members and to ensure individual's learning and growth

Meraki 2.0 had five sub events out of which 3 of there were technical and 2 of them were non-technical events.

- | Technical          | Non-Technical    |
|--------------------|------------------|
| 1. Get-Set-Web     | 1. Click Master  |
| 2. Coding Comrades | 2. Design Dazzle |



GIM, the General Interest Meet along with the departmental tour was held on **28<sup>th</sup> August, 2023**.

The departmental tour was held for the FEs. The departmental tour was held for the freshmen to familiarize them with the different facilities and resources available. The tour included visits to the labs and faculty cabins, giving the students a glimpse into the academic environment they would be studying in. It also emphasized the importance of utilizing these facilities and resources to enhance their learning experience throughout their academic journey. The tour was led by Chief ARO and SMM Sanika Giri, along with Joints.



Every year ELESA celebrates Teacher's Day on the behalf of the Electronics Department for the teachers of our department. This year we celebrated teacher's day in offline mode with the presence of our teachers and students. The event was held on **5<sup>th</sup> September, 2023**, Tuesday, 4:30 PM. All the teachers of our department were invited. We started with the welcome and had small activity for Teachers and non-organizers. Everyone enjoyed the task thoroughly. Then we had a few performances which included a song, a flute, and a guitar performance.

**MECHANICAL ENGINEERING STUDENTS' ASSOCIATION - MECHANICAL ENGINEERING STUDENTS' CHAPTER**



**Main Board Recruitment: (21<sup>st</sup> August 2023)**

On August 21st, 2023, the Mechanical Engineering Students Association - Mechanical Engineering Students Chapter (MESA-MESC) saw the appointment of a new Main Board for the academic year 2022-23. This dedicated team was selected by the outgoing Main Board, and we are excited to introduce our newly appointed core members:

- ☒ President: Miss. Tanvi Patil
- ☒ Vice President: Mr. Shreyash Kadam
- ☒ Secretary: Miss. Mitali Shinde
- ☒ Treasure: Mr. Tejas Jadhav

**Assistant Board Recruitment: (5<sup>th</sup> September 2023)**

On August 21st, 2023, the Mechanical Engineering Students Association - Mechanical Engineering Students Chapter (MESA-MESC) saw the appointment of a new Main Board for the academic year 2022-23. This dedicated team was selected by the outgoing Main Board, and we are excited to introduce our newly appointed core members:

- ☒ Assistant Secretary: Mr. Amrutraj Lad
- ☒ Assistant Treasure: Mr. Mandar Chhatre



**Engineers Day Celebration: (15<sup>th</sup> September 2023)**

On the 15th of September, our department was abuzz with excitement as students, faculty, and staff gathered to celebrate Engineers' Day in a grand and memorable fashion. This year's celebration was particularly special as it included a heartfelt felicitation of our esteemed professors, orchestrated by the collaborative efforts of the Mechanical Engineering Student Association and the Mechanical Engineering Student Chapter.

The highlight of the day was the felicitation ceremony in presence of HoD Prof. Dr. S. U. Sapkal, where each professor was recognized for their unwavering dedication, exceptional mentorship, and profound impact on our lives. As they walked up to the stage amidst thunderous applause, it was evident that their influence extended far beyond the classroom, shaping our aspirations and nurturing our skills.



**AUCTUS' 23 (General Interest Meet):**

Title: "Auctus: A Grand Welcome for Freshers"

Date and Time: 15<sup>th</sup> September 2023

6:00 p.m. to 8:00 p.m.

Number of Attendees: 91

Venue: Tilak Hall and Library Stairs



Auctus, the first GM event conducted for all the freshers, was a delightful evening filled with fun activities and games. The event kicked off with a warm welcome to our first-year engineering students, followed by an introduction to the various departments and our esteemed club, the Mechanical Engineering Student Association - Mechanical Engineering Student Chapter.

Our program directors then grouped the first-year students into four teams, setting the stage for a series of indoor fun activities that had everyone engaged and enthusiastic. Afterward, these groups ventured outdoors for two exciting games: "Flip the Bottle" and "Red Light Green Light."

The joy and excitement were not limited to our freshers; even our assistant board and main board members thoroughly enjoyed the event. Following the games, winners were announced based on their individual performance and active participation within their groups. These outstanding individuals were rewarded with special prizes, adding to the excitement of the evening.

The event culminated with an introduction of all the main board members to our freshers, including a special address from the President. The President extended heartfelt wishes to every first-year Mechanical Engineering student, inspiring them for the journey ahead.

Optus was truly a memorable event, setting the tone for a fantastic year ahead for all participants and club members.

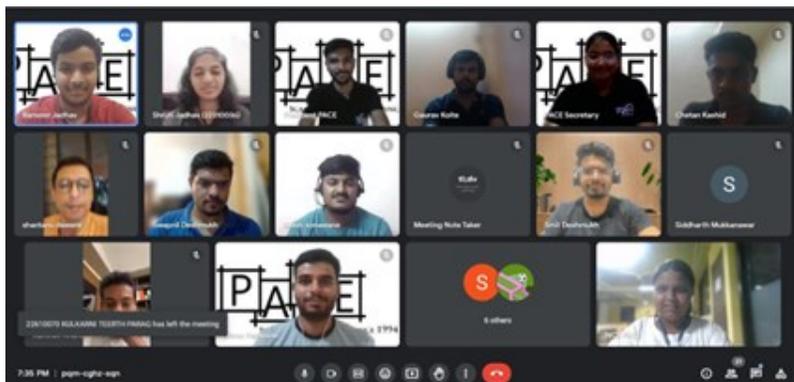
## PERSONALITY ADVANCEMENT CIRCLE OF ENGINEERS

Sr. No.	Activity	Dates
1.	Chief Board Handover	11 <sup>th</sup> August 2023
2.	Induction Programme and Campus Tour	17 <sup>th</sup> August 2023
3.	GIM - Athlon	29 <sup>th</sup> August 2023
3.	Joint Board Handover	6 <sup>th</sup> September 2023
4.	Synthron (Meet-up)	16 <sup>th</sup> September 2023
5.	Graduation Day	16 <sup>th</sup> September 2023
6.	PACE-Alumni Meet	17 <sup>th</sup> September 2023



**Athlon (GIM)** was conducted on 29<sup>th</sup> August 2023. It was the first interaction of freshers with PACE. It consisted of 2 sessions. One in the Tilak Hall and another at the library stairs. Both sessions consisted of interactions and games with an intention to explore personality development and its importance.

**Synthron (Meet-up)** was conducted on 16<sup>th</sup> September 2023. It was the collaboration between PACE and EESA. It had a session on 'The influence of AI technology' and a GBA. It started with News Reading followed by a writing session on Moments of Meeting (MOM). It was both technically and professionally sound.



**PACE-Alumni Meet (online)** was conducted on 17<sup>th</sup> September 2023 for the past PACE Alumnus to come together for a heartwarming reunion. The event featured moments of shared memories and experiences, fun games and activities, networking opportunities, and a celebration of the PACE spirit.

## Rotaract Club



Righteous Rendezvous consisted of three sub-events. The first, Decades of Change: A Call for Action, involved analyzing past events and writing a letter to the head of state with suggestions on how to tackle problems. The second, Project Margin Matrix, required drafting a budget for a country. Lastly, the International Crisis Conference provided an opportunity for people who had been abused to negotiate for their rights. The event was conducted on 29th & 30th April 2023.

The Prize Distribution ceremony was conducted on 30th April by the organizing team with the International Service Director, Rtr. Vatsala Singh and President Rtr. Onkar Hande. A winner and a runner up were selected from competition and was awarded with certificates, trophies, and cash prizes by dignitaries. Participation certificates were also distributed to other participants.

The director Dr. U. A. Dabade, Staff Advisor Dr. C. H. Wagh sir, ECAC Chairperson Prof. Anil Surve as well as other teaching and non-teaching staff of the college have been instrumental in providing proper guidance. Along with this, Rtr. Onkar Hande, President of Rotaract Club, Secretary Rtr. Yashraj Patil, International Service Director, Rtr. Vatsala Singh provided valuable support in the planning.

## Students Association of Information Technology



### Interaction with IT Department Alumni Major. Arun Choughule

On July 1, 2023, SAIT organized an interaction session with Major Arun Choughule, a notable alumnus who graduated with a BTech degree in 2014 from WCE, Sangli, and was recognized as the best outgoing student.

During the session, Major Choughule provided valuable advice on academic excellence and also shared insights on pursuing a career in the armedforces. . This session was a valuable opportunity for students to gain both academic and career-related insights from an accomplished alumnus.



### Session on AI/ML Unleashing the power of AI/ML

On August 4, SAIT organized an informative session centered around one of the trending technologies, Artificial Intelligence and Machine Learning (AI/ML). The session featured Mr. Abdul Rahman Shigihalli, a seasoned Business Analyst at GenPact, who shared his expertise and insights on AI/ML with the attending students.

This session proved to be an invaluable opportunity for students to learn from a seasoned professional, gain insights into the world of AI/ML, and witness real-world examples of its implementation through Mr. Shigihalli's projects.



### Assistant Board Interviews 2023-24

From August 9th to August 11th, 2023, SAIT conducted Assistant Board Interviews exclusively for second-year Information Technology (IT) students. During this rigorous selection process, SAIT successfully recruited a total of 30 talented individuals to fill various key positions within the Assistant Board. These newly appointed members are expected to contribute their skills and expertise to support the institution's diverse functions and initiatives, further enhancing the academic and administrative excellence of SAIT.



### NOVASYNC GIM 2K23

On September 2, 2023, SAIT organized a General Interest Meet (GIM) for the first-year students, providing them with an introduction to our prestigious college. During this event, dedicated club members assumed the role of guides, offering valuable insights into academic matters and other pertinent aspects of college life.

Towards the end of the event, SAIT recognized and celebrated active student participation by selecting one male and one female student as Mr. GIM and Miss GIM based on their active involvement and contributions throughout the GIM. This initiative aimed to acknowledge and appreciate the enthusiasm and energy displayed by these students.

The General Interest Meet served as an excellent platform for new students to familiarize themselves with SAIT's culture and build connections with their peers, setting a positive tone for their academic Journey.

## Students Organization for Technical Activities



A General Interest Meet is organized every year by the Students Organization For Technical Activities (SOFTA) of Walchand College of Engineering, Sangli. GIM 2k23 was organized on 22 August 2023 in the Polytechnic Wing. In GIM, all the first year students are introduced to our club and they gain information about our club. Many fun activities and other games were conducted for FEs during this event.

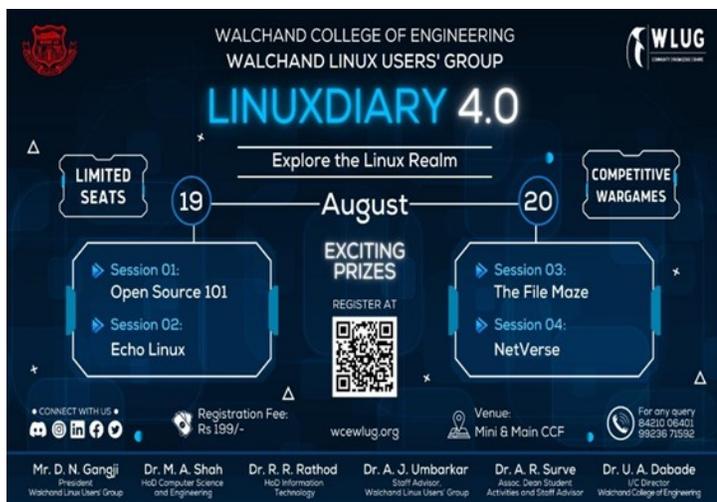
The main game of this event was a "Treasure Hunt" which took place in entire college campus. With the help of this game students explored the college campus. The winner team of the treasure hunt was awarded with a prize. The most active participant from each team was awarded with another prize. At the end, feedback of this event was taken from the students



A program Live Streaming of Landing of CHANDRAYAAN-3 was organized by the Students Organization For Technical Activities (SOFTA) of live streaming of soft landing of Chandrayaan-3 on the South Pole of the Moon. This program was organized on 23 August 2023 in Tilak Hall.

The program commenced with a Guest Lecture by a well-known public speaker and founder of Nisarg Sanwad, Mr. Rajendra Joshi. Sir guided all the students and people present for the program about the landing of Chandrayaan-3 and about the instruments fitted in Chandrayaan-3.

## Walchand Linux Users' Group



WALCHAND COLLEGE OF ENGINEERING  
WALCHAND LINUX USERS' GROUP  
**LINUXDIARY 4.0**  
Explore the Linux Realm

LIMITED SEATS 19 August 20 COMPETITIVE WARGAMES

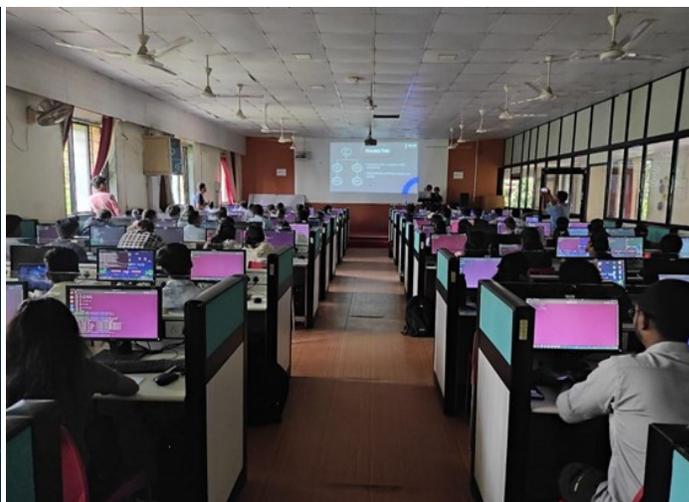
Session 01: Open Source 101  
Session 02: Echo Linux  
Session 03: The File Maze  
Session 04: NetVerse

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Mr. D. N. Gangji (President), Dr. M. A. Shah (HOD Computer Science and Engineering), Dr. R. R. Rathod (HOD Information Technology), Dr. A. J. Umbarkar (Staff Advisor), Dr. A. R. Surve (Assoc. Dean Student Activities and Staff Advisor), Dr. U. A. Dabade (HOD Director)



Event Name : LinuxDairy 4.0  
Event Date: 19<sup>th</sup> and 20<sup>th</sup> August 2023  
Event Location : Main & Mini CCF, Walchand College of Engineering, Sangli  
Event Time : 10 am to 5 pm

Event Summary:  
"LinuxDiary 4.0" is the Mega event of the Walchand Linux Users' Group conducted at Walchand College of Engineering, Sangli every year. This year it was conducted on 19th and 20th of August, 2023. It was a two-day event. LinuxDiary 4.0 is a significant event where Linux enthusiasts gather to explore Linux fundamentals and engage in meaningful sessions on the Linux ecosystem.



WALCHAND COLLEGE OF ENGINEERING, SANGLI  
WALCHAND LINUX USERS' GROUP  
PRESENTS...  
05 SEPT 5:30 PM  
FOSS VENTURE  
GIM FEST 2K23  
VENUE: TILAK HALL  
CLUB INTRODUCTION  
ETHICAL HACKING DEMO  
GAMES AND MORE...  
READY TO MAKE MEMORIES? BE THERE, BE AMAZED!

MR. D. N. GANGJI (PRESIDENT), DR. M. A. SHAH (HOD COMPUTER SCIENCE AND ENGINEERING), DR. R. R. RATHOD (HOD INFORMATION TECHNOLOGY), DR. A. J. UMBARKAR (WALCHAND LINUX USERS' GROUP STAFF ADVISOR), DR. A. R. SURVE (ASSOC. DEAN STUDENT ACTIVITIES AND STAFF ADVISOR)



Event Name: FOSSVenture (GIM)  
Event Date: 5<sup>th</sup> September 2023  
Event Location : Tilak Hall, Walchand College of Engineering, Sangli  
Event Summary:

The Walchand Linux Users' Group (WLUG) recently conducted General Interest Meet called as FOSSVenture where we had introduced our club to the newly admitted students.

## WCE Placement AY 2022-23

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

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

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
<b>Total</b>		<b>469</b>	<b>427</b>	<b>91.04</b>	<b>9.38</b>

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
<b>Total</b>		<b>63</b>	<b>41</b>	<b>65.08</b>	<b>7.94</b>

## WCE Admission AY 2023-24

F.Y. B.Tech 2023-24 Admitted Student Details										
Discipline	CAP Seats	Trust	TFWS	EWS	NEUT	JKSSS	J & K	NRI	CIWGC	Total
CIVIL	59	1	3	2	3	4	0	0	0	72
CSE	86	4	4	8	1	4	1	4	2	114
IT	59	1	0	2	0	2	1	0	0	65
ELECTRICAL	60	0	0	2	2	2	1	0	0	67
ELECTRONICS	60	0	0	5	1	1	1	0	0	68
MECH	59	1	2	5	1	1	0	0	0	69
<b>Total</b>	<b>383</b>	<b>7</b>	<b>9</b>	<b>24</b>	<b>8</b>	<b>14</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>455</b>

Direct Second Year B.Tech 2023-24 Admitted Student Details				
Discipline	CAP Seats	EWS	JKSSS	Total
CIVIL	9	2	1	12
CSE	10	3	0	13
IT	7	3	0	10
ELECTRICAL	8	2	1	11
ELECTRONICS	7	4	0	11
MECH	8	3	0	11
<b>Total</b>	<b>49</b>	<b>17</b>	<b>2</b>	<b>68</b>

F.Y. M. Tech 2023-24 Admitted Student Details			
Discipline	CAP Seats	EWS	Intake
Civil - Structural Engineering	30	3	30
Civil - Environmental Engineering	9	0	18
Computer Science and Engineering	11	0	12
Electrical - Power System Engineering	8	0	12
Electrical - Control System Engineering	4	0	12
Electronics Engineering	2	1	12
Mechanical - Heat Power Engineering	0	0	12
Mechanical - Production Engineering	2	0	12
Mechanical - Design Engineering	10	0	18
Computer Science and Information Technology	2	0	12
<b>Total</b>	<b>78</b>	<b>4</b>	<b>150</b>

### Institute Level Activities



Ajit Gulbchand Central Library one day workshop on “Diving Deep Into Research: Harnessing IEEE XPLORE's Resources For Scholarly Excellence” at Tilak Hall, Walchand College of Engineering, Sangli on 13 September, 2023. The resource person was Mr. Gaurav Vinayak Date Training Manager – EBSCO & IEEE.



NEP 2020 celebration: AGC Library organized NEP 2020 Book Exhibition at Ajit Gulbchand Central Library from 24 to 27 July, 2023. 250 Students, 25 Faculties and 15 Supporting Staff benefited from it.

### WCE in News



# ‘उच्च कार्यक्षमता संगणन’वर कार्यशाळा

## वालचंद अभियांत्रिकी होणार नोडल सेंटर; तज्ज्ञांचा सहभाग

**सकाळ वृत्तसेवा**

सांगली, ता. १७ : नॅशनल सुपरकॉम्प्युटिंग मिशन (एनएसएम मॉडेल) अंतर्गत वालचंद अभियांत्रिकी महाविद्यालयात हाय परफॉर्मन्स कॉम्प्युटिंग (उच्च कार्यक्षमता संगणन) विषयासाठी विद्यापीठ अभ्यास मंडळाचे अध्यक्ष, विषयतज्ज्ञांची प्रगत संगणन विकास केंद्र (सी-डॅक) पुणे आणि वालचंद महाविद्यालय यांच्या संयुक्त विद्यमाने एकदिवसीय कार्यशाळा झाली.

महाविद्यालयाचे संचालक डॉ. उदय दबडे, ‘एनएसएम’ संयोजक आशिष कुन्वेलकर यांच्याहस्ते उद्घाटन झाले. कुन्वेलकर यांनी हाय परफॉर्मन्स कॉम्प्युटिंग विषयाचा अभ्यासक्रमात समावेश आणि उपयुक्तता याविषयी मार्गदर्शन केले. ‘वालचंद अभियांत्रिकी ला नोडल सेंटर म्हणून निवडण्याचा मानस व्यक्त केला. महाविद्यालयाकडून योगदान आणि सहभागाविषयी अपेक्षा व्यक्त केली. त्या अंतर्गत ‘सी-डॅक’द्वारे आवश्यक त्या सुविधा, संसाधने आणि प्रशिक्षण उपलब्ध करून देण्याविषयी आश्चर्य व्यक्त केले.

प्रा. डॉ. डी. बी. कुलकर्णी यांनी प्रास्ताविक केले. माहिती-तंत्रज्ञान आणि संगणकसंबंधित औद्योगिक क्षेत्रातील विविध मान्यवरांनी मनोगत व्यक्त केले. यामध्ये ‘स्टेल’चे सचिव आणि रितेश, ‘एनव्हिडिया’चे श्री. भारत यांनी सहभाग घेतला.

संगणकशाखाच्या विभागप्रमुख डॉ. मेघा शहा, प्रा. डॉ. करवीर मनवाडे, प्रा. डॉ. नीलेश पिकले यांनी मार्गदर्शन केले. माहिती-तंत्रज्ञान विभागाचे डॉ. उमेश चव्हाण, आयआयटीचे डॉ. सचिन पाटील, डॉ. डी. वाय. पाटील कॉलेज ऑफ इंजिनिअरिंगचे डॉ. सिद्धेश्वर पाटील यांनी विविध विषयांवर मार्गदर्शन केले.

कार्यशाळेचे निमंत्रक डॉ. डी. बी. कुलकर्णी यांच्या अध्यक्षतेखाली चर्चासत्र आयोजित केले गेले. चर्चासत्रात संशोधन अभ्यासक मंदार गुरव, सचिन पाटील यांनी मार्गदर्शन केले.

डॉ. यू. बी. चव्हाण यांनी संयोजन केले. वालचंद नियामक मंडळाचे अध्यक्ष अजित गुलबचंद, सदस्य अमोल चव्हाण यांनी देखील प्रमुख मार्गदर्शन केले. सोशेल सत्यद यांनी सूत्रसंचालन करून आभार मानले.



**सांगली :** वालचंद अभियांत्रिकी महाविद्यालयात आयोजित कार्यशाळेत डावीकडून डॉ. राठोड, डॉ. सचिन पाटील, श्री. मंदार, श्री. कुवलेकर, डॉ. दबडे, डॉ. शहा, डॉ. कुलकर्णी.

आपला जिल्हा

## खाडे इंग्लिश स्कूलमध्ये बहुविध विकास कौशल्य उपक्रम म्हणजे काळानुरूप टाकलेलं पाहूल – प्रा. डॉ. उदय दबडे

मुख्य संपादक : तानाजीराजे जाधव • 18/09/2023 🔥 28




# Walchand College of Engineering

Vishrambag, Sangli - 416 415  
(Govt. Aided Autonomous Institute)

## Vision

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

## Mission

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

## Objective

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

## Quality Policy

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