

WALCHAND INSTITUTE OF TECHNOLOGY, SOLAPUR
ANNUAL REPORT
FOR THE ACADEMIC YEAR 2023-2024

It gives me a great pleasure to present before you Annual Report of Walchand Institute of Technology, Solapur for the academic year 2023-2024.

Admissions :

During academic year 2023-24 total students enrolled from first year to final year (UG+PG) are 2584.

This Year total new admissions for First Year is 636, for Direct Second Year is 78 and for First Year M.Tech is 09

For Ph.D. till date 86 candidates are registered at our Research Centre out of them 37 have completed their research work and obtained Ph.D. degree.

Self Learning To Inculcate Lifelong Learning

➤ **Infosys Springboard**

The future of India will be shaped by today's younger generation who need quality education through digital literacy, making them productive and self-reliant citizens. 'Digital literacy' is the skills required to achieve digital competence and use of Information and Communication Technology (ICT) for work, leisure, learning and communication. It does not replace traditional forms of literacy, instead complements and amplifies the skills that form the foundation of traditional forms. We encourage students to do online courses and certifications which help them to develop their skills thus enabling placements. Around 767 students (Including First Year, Direct second year and Post Graduate) and 24 faculty members are on boarded on Infosys Springboard in the AY- 2023-24.

WIT, Solapur is awarded as SPoC of the Month at November 2023 in the academic Year 2023-24 as Top institute in Maharashtra for having highest number of certifications.

7 faculty members have been trained by Infosys through Faculty Enablement Program (FEP) in Citizen Data Science. 8 faculty members and 12 students are nominated for Google Certifications in various domains (Data Analytics, Tensor flow: Advanced Techniques, Tech Specialization: Internet of Things and AI Cloud, ML Rockstar, Internet of Things and AI cloud, Google Project Management) and 20 Students are shortlisted for "4th edition of Infosys Springboard Internship". As of today students have completed 764 certifications.

➤ NPTEL

In the first semester of NPTEL 2023-24 both faculty and students, showcased varied performances across different courses. Total of 10 NPTEL Certificates were awarded which includes 8 Faculty and 2 Student Certifications. The average final score was 73.9, with a notable high score of 92 achieved by Faculty Mr. Abhijit V Mophare, who topped 2% in the course "Accreditation And Outcome Based Learning." Certificates awarded spanned from completion to elite levels, including elite+silver and elite+gold, reflecting the range of achievements.

Examination Results :

Institute has maintained the trend of excellent results. The final Year results of May 2023 is 96%. I am happy to share that our two students got 'Gold Medal' from university, one for being Topper amongst all Engineering branches under PAH Solapur University and the other is Late Shriman Bhausaheb Gandhi Gold Medal for being First in B E Mechanical Engineering amongst all colleges under PAH Solapur University. Out of total 22 University Ranks, 17 ranks are bagged by WIT students i.e. Civil : 1st rank , Computer Science and Engineering : all 5 ranks, Electronics Engineering all 3 ranks, Electronics and Telecommunication Engineering 1st and 2nd rank, Information Technology all 3 ranks , Mechanical engineering 3 out of 5 ranks.

Such a glittering success and consistency in results is possible only due to the innovations bought in Teaching-Learning process and the tireless efforts taken by our faculty and staff.

Training & Placement :

WIT has maintained its tradition of securing placements with attractive packages in renowned MNCs like TCS, Persistent, HSBC, Hitachi Energy, Atlas Copco, Shapoorji Pallonji, and many others.

One of the key initiatives of Training and Placement Cell, the Soft Skills training programs, helped groom our students in refining their academic and career interests and their short- and long-term goals through personalized counseling and group sessions. Various in-house and outsourced training programs were conducted, equipping students with the necessary skills for the corporate world. Activities such as Personal Interviews, Group Discussions, and Extempore sessions were organized to enhance students presentation skills. Notably, APT-Tech conducted training covering General Aptitude (including Quantitative Aptitude, Logical Reasoning, Data Interpretation), Verbal Ability, and Soft Skills

(P.I. & G.D.). Additionally, a TCS Boot Camp was held to prepare students to confidently face the TCS NQT. These training initiatives were tailored to meet both student needs and industry demands.

As an outcome this year total 86 companies visited campus for placement and 358 students are placed. The maximum package received is Rs. 9 lacs p.a. and Average Package Rs. 4.12 lacs.

Internship:

Total 590 final Year students are doing Internship out of them 118 students are doing internship with stipend. The maximum stipend received per month is Rs. 40,000/-.

Student Activities

- **National Level Technical Events organized**

- **Acceleration 2023 :-**

Acceleration 23- A National Level Techno Business Festival was organized by Department of Mechanical Engineering in association with Institute Innovation Council with support of AUTO DESK Delhi, on 28th October 2023.

The Objective of the program is to enhance ability to express their creativity based on given themes through poster making, to provide the platform to express their innovative project ideas, to build the aptitude, mathematical & logical, quantitative abilities and to get hands on experience of 3 D modeling of component using FUSION 360.

- **WITech-2023**

This event was organized by Computer Science and Engineering and Information Technology Departments and sponsored by Earth Solutions Pvt. Ltd and Eywa Solutions Pvt. Ltd. **Total 434 participants** from 13 different colleges have participated from all over the Maharashtra. This symposium consists of four different events. Tech-Wiz, Dare To Animate, Billboard and Debate.

The objective to organize the event is to provide a platform for participants to gain knowledge, insights, and skills from technical events, to facilitate the exchange of innovations, and best practices among participants and to offer opportunities for participants to improve their communication, teamwork.

- **WITChar-2023**

(3)

Walchand Institute of Technology's Annual Technical Symposium 'WITCHAR-2024' was organized on Friday 22nd March and Saturday 23rd March 2024. Total 21 events were organized in this competition. Hon. Mr. Arvind Pandhare, Principal Design Manager, BIM Technical Head, NNB Engineering Services Bengaluru Inaugured the Function.

The event 'Design Challenge' in Mechanical Engineering was sponsored by 'AUTODESK', whereas the event 'Ecocrete' under Civil Engineering was sponsored by 'Ultra Tech Cement'.

Prizes over Rs. One lakh were given to winners at the hands of Chief Guest Hon. Mr. Nitin Baraskar, Co-founder and Director, Plural Technology Pvt. Ltd. Pune. About 1300 Students from 35 Institutes from Maharashtra, Karnataka, Andhra Pradesh, and Madhya Pradesh participated through 714 entries in the aforesaid 21 events. SVERI's College of Engineering Pandharpur was awarded as 'Best Participating and Performing Institute' in WITCHAR-2024.

- The various co-curricular activities like project completion, quizzes, paper presentation, idea presentation competitions were organised under various student societies and clubs.
- The various co-curricular and extra-curricular activities such as 'Teachers Day', 'Engineers Day' and 'Art-Exhibition' were organised for students.

Professional Societies & Student Associations

The student chapter of various Professional Societies, various Cells and Student Clubs is formed at the institute to conduct various student activities. A faculty coordinator for each cell is appointed to organize & mentor the student activities. Various Co-curricular activities were conducted under these various societies & student Chapters for overall development of students.

Following are the Professional Societies, Cells & clubs formed at institute

1. Institute Of Engineers (IEI)
2. Indian Society For Technical Education(ISTE)
3. Computer Society Of India(CSI)
4. LoL students club
5. Institute of Electrical and Electronics Engineers (IEEE)
6. The Indian Society of Heating, Refrigerating and Air-Conditioning Engineers (ISHREA)
7. Entrepreneurship Development Cell (EDC)
8. Institute Innovation Cell (IIC)
9. Society of Automobile Engineers Clubs (SAE)
10. Soft Skill Development Cell (SSDC)

11. Industry Institute Cell
12. Mechanical Engg. Students Association (MESA)
13. Telecommunication & Electronics Engineering Students (TESA)

Industry Interaction

Institute has a Industry Institute Cell for engaging collaborative activities with Industry. Industry experts are invited to represent industry on our various governing systems. This provides an opportunity to seek suggestions on various areas of improvement. Recommendations of industry experts are implemented to the maximum possible extent.

Faculties and students undertake various courses offered by industries available on various platforms like Coursera, Infosys springboard, Internshala and NPTEL.

The institute continues to undertake industry-sponsored/collaborated research projects. This year 20 industry collaborated projects are ongoing and we have received a sum of Rs.1,24,000/- for these projects from industries. The institute has membership in professional societies such as IE(I), CSI, SAE and ASHRAE. Through various collaborative activities, we actively participate in various activities , as well students register & participate in various competitions and conferences.

The institute have an MOU with RedHat for training in web development, web servers, network security and certification. As on date institute is having 34 active MoUs with various industries.

- Faculty members offer testing and consultancy services to various organizations on matters related core Engineering, IT & various quality initiatives. Total revenue of Rs. 30.16 lacs is generated through 80 consultancy projects in F.Y. 2023-24.

Extra-Curricular Activities

Sports :

Students are participating in various sports events at Zonal and National level and have won the medals. The students have won 4 Gold Medals, 3 Silver Medals and 3 Bronze Medals in Diving, Fencing and Bodybuilding. Our team is winner in Table Tennis and Lawn Tennis and secured 3rd place in Chess and Badminton at Zonal Level. One of our students represented in Due Ball at the National Level.

This year institute has organized A cricket tournament namely Walchand Premier League 23 (WPL-23) in the month of October. A total of 8 Teams participated from various colleges. Walchand College of Arts & Science won the tournament. We had organized an inter-departmental sports event 'STROKE 2024' and a cultural programme 'Atharva 2024' in the month of January. A Blood Donation camp was organized on 16th February 2024.

National Service Scheme:

WIT's National Service Scheme Unit is functioning from 1998. Since its inception, various social activities have been successfully carried out under its banner. In the current academic year, 100 students registered which included 36 girls from all branches.

The N.S.S Student Secretary Mr. Vaibhav Avdhut is selected as a **District President** on Young Inspirators Network(YIN) Platform under the Sakal Media Group, Solapur.

Following are the activities organised by N.S.S.unit

- "International Yoga Day" was celebrated on 21st June 2023. Yoga Expert Mrs. Maya Gandhi guided some yoga poses and explained its importance.
- On the occasion of 75th Anniversary of Independence Day, Har Ghar Tiranga Abhiyan 2023 under the aegis of Azadi ka Amrit Mahotsav all students, faculty and staff were encouraged to put the National Flag on the roof tops of their houses to mark gratitude to the freedom fighters the real national heroes.
- Celebrated 'Gandhi Jayanti' and "Lal Bahadur Shastri Jayanti" on 2nd October 2023. on this event students and staff took the 'Swachhata Oath' and few staff members participated in cleaning the college campus.
- Celebrated "Sardar Vallabhbhai Patel Jayanti" on 31st Oct. 2023. On this occasion students and staff took the 'Ekta Oath'.
- A blood donation camp was organized on 14th October 2023 and 16th February 2024 in the institute premises. A total of 611 bottles of blood are collected. Students are made aware of the importance of donating blood. The institute has bagged an award of 'Best Blood Donating Institute' by the blood banks.
- On 26th November 2022 'Constitution Day' was celebrated and all the students, faculty and staff members took the 'Constitution Oath'.

- Kirloskar Ferrous Industries Limited, Solapur had organized Kirloskar Vasundhara Ecorangers competition “Green College Clean College”. 50 students participated in this competition with great enthusiasm.
- On the occasion of “National Voters Day”, all the Faculty, Students and staff took `Voters Oath` and the competitions like poster making and Slogan competition were organized for students.
- On the occasion of International `Women’s Day` on 8th March 2024, Dr.Mrs. Saroj Bolde (M.B.B.S., MD Pathology) from Dr. V.M. Government Medical College Solapur gave seminar on “ How to Improve HB for women”. A total of 175 ladies faculties and girl students participated in this programme.

Alumni

In this year two alumni meets were organized one at WIT by Civil Engineering Department. Total 52 alumni of 2000, 2001 and 2002 batch students participated.

The second meet was organized at Bangalore and total 106 alumni participated in the meet.

Faculty & Staff:

As on date, the institute is having **128 regular** and **18 Adjunct** faculty members. There are **42** supporting technical staff, **24 administrative** staff and **94** menial staff including Security and Garnening Staf on roll.

Institute is making every attempt to have qualified and experienced faculty for imparting quality education.

Faculty members are upgrading their academic qualifications by pursuing doctoral studies. Two faculty members have completed Ph.D. this year and 41 are pursuing. As on date 29 faculty members are having Doctorate Degree.

Research & Development

Faculty members are always encouraged to carry out Research & Development activities by publishing patents, quality research papers, apply for funded research projects.

- Two faculties have completed Ph.D. this year and 41 are pursuing. Faculty members have published

- i. 111 research papers in various national and International journals and conferences. Out of them , 77 papers have published in Scopus Indexed/WOS/Springer journals.
 - ii. 01 Book and 13 Book Chapters
 - iii. 02 patents are granted and 06 are published
- One faculty received 'Best Paper Award'
 - One faculty received award at research competition organized by P.A.H. Solapur University
 - Rs. 4,45,000 are sanctioned for 06 research proposals under seed funding by P.A.H.Solapur University.
 - Rs. 1,00,000/- to one faculty for research projects by P.A.H. Solapur University.
 - Received grant of Rs. 3,50,000 For organizing ATAL FDP by AICTE.
 - Rs. 2,50,000 is received by National Center for Additive Manufacturing (NCAM) for organizing Additive Technology Enhancement Program (ATEP) and Rs. 20,000/- For organizing National Level Conference.

Library :

In the F.Y. 2023-24 total 12 book volumes are purchased which comprises of 12 titles costing Rs. 9,964/-. As on date 61445 book volumes comprising of 20789 titles worth Rs. 211 lakhs are available in the library.

This year 542 e-journals of Rs. 2032460.00 are subscribed through 4 e-databases namely Elsevier Science Direct, ASCE, ASME, and IEEE, iThenticate Plagiarism Software is subscribed. We have membership of National Digital Library and E-Shodhsindhu.

Book bank Scheme Facility for All First year to final year meritorious students, sports champions, physically handicapped students and Social Welfare Book Bank Scheme for all SC caste students. Alumni's of the Institute can also avail library services without any charges for higher education and career development with permission from principal.

Awards & Recognition

1. Faculty Achievements

- Principal, Dr. V.A.Athavale received 'Award of Academic Excellence – 2023' by Lexicon Group of Institutes, Pune
- Dr. LMRJ Lobo has received International Luminary award in Teaching 2023 by Institute of Industry and Academic Research, Phillipines.
- Dr. B. B. Deshmukh has received 'Best Teacher' award at ISTE Maharashtra-Goa Section

- Dr. Mrs. P.S.Yalagi has received 'Dr. P.N.Kulkarni Best Teacher Award from Association of the Managements of Un-aided Engineering Colleges (Maharashtra)
- Dr. M. G. Kalyanshetti has received Best Paper Award at 6th International Conference on recent trends in Engineering and Technology .
- Dr. LMRJ Lobo and Ms. D.D.Awasekar has received Best Paper Award at The International Conference On Advanced Optimiation Techniques And Applications (AOTA - 2023)
- Ms. D.D.Awasekar awarded a research grant of Rs. 1,00,000 /- by PAH Solapur University, Solapur
- Mr. P. G. Chitte has received 2nd Prize at Avishkar Technical convention at PAHSUS, Solapur.
- Mr. S.B.Gosavi qualified in GATE-24 exam with 502 score (50/100) and secured All India Rank 166.

Student Awards

- In 'Smart India Hackathon 2023', total 5 teams were selected for grand finale out of them one team won and received a prize of Rs. 1 lac.
- In an idea pitching competition for SIH finalist teams, our students have received an appreciation Trophy. One team is winner in REFCOLD India Hackathon and received a Prize of Rs. 1 Lac.
- One student is winner of MSME 3.0 Women's Idea Innovation Contest and received Rs. 12.5 lakhs.
- Received Rs. 1,00,000/- each for four projects in Maharashtra Student Innovation Challenge.
- Our students have received Rs. 50,000/- each from Tata Magic REMS Funding for two projects and Rs. 40,000/- for a project under Bharat Cycle Design Challenge (BCDC) organized by AICTE,
- WIT students bagged 4 prizes three 1st and one 2nd in 'Avishkar' research competition of Solapur University.
- WIT students won 2nd Prize at Giant Metrewave Radio Telescope at Khodad, Pune a national level competition organized by National Centre for Radio Astrophysics (NCRA) and Tata Institute of Fundamental Research (TIFR).
- 06 students have qualified GATE-24 examination
- A total of 44 prizes are won by our students in various Project/Paper presentation competitions organised by various colleges,