Walchand Institute of Technology, Solapur
Department of Electronics Engineering

<u>**Student Activities**</u>

Telecommunication and Electronics Students Association (TESA)

Faculty Coordinator: Mr. S.A. Utage, Mr. V.V.Anagire, Mr. P.Y.Kumbhar

TESA committee of the department works with the objective of developing the leadership qualities in individuals, some cohesive organizational skills and to enhance the technical skill. It also provides a platform for the students of the department to exhibit their talents.

Every year various guest lectures are organized by the committee such as walk in interview, preparation of various competitive exams, Project development cycle & Opportunities in Robotics industry, Pre-Placement Guidance Session and Career Guidance.

TESA also organized competitions like technical aptitude, project competition, problem statement contest, Mock placement drive, Circuitrix and technical poster making every year. Department students participate with great enthusiasm in all the events. Winners of the competitions are awarded certificates, trophies and cash prizes. All the activities are organized successfully by the students. TESA Faculty coordinator from department is allotted to guide the students in all respect.

Activities Conducted under Telecommunication and Electronics Students Association (TESA)

2024-25

Sr. No.	Activity	Date	Topic covered	No. of participants
1	TESA Office Bearer interview	29/08/2024, Thursday	Personal Interview	10
2	Teachers Day Celebration	05/09/2024 Thursday	Felicitation of faculties by students	84
3	ROBOMETRIX-2K24 Introduction to Basic Components	17/10/2024 Thursday	Participants acquired a basic comprehension of fundamental elements required to build the robots.	43
4	ROBOMETRIX-2K24 Robo Race Bot Circuit Design and Coding	18/10/2024 Friday	Participants learned to interpret and implement a circuit diagram.	47
5	ROBOMETRIX-2K24 Robo Race Bot Hands-on-Practicing	19/10/2024 Saturday	Students demonstratedtheir skills in building bots.	26

1. **TESA Office Bearer** 29/08/2024, Thursday

CONGRATULATIONS

We are pleased to announce the selection of below students as TESA office bearers (*ELN*) for academic year 2024-25.

- *General Secretary-*
  Mr. Satvik Totad   (Final Year)

- *Treasurer*
  Mr.Ritesh Patil   (Third Year)

- *Social Media Handler*
  Ms.Akanksha Potabatti   (Third Year)

- *Committee Members-*

  Mr.Paras Deshmane   (Final Year)
  Ms.Sachita Patil   (Third Year)
  Mr.Varun Dornal   (Second Year)
  Ms.Rigvedi Patil   (Second Year)

Mr.S.A.Utage
(Faculty Advisor)

Dr.S.R.Gengaje
(Head, Eln Engg. Dept.)

2. **Teachers Day Celebration** 05/09/2024,Thursday

THOUGH YOU WROTE IN BLACK AND WHITE
YOU BOUGHT COLOUR IN MY LIFE..

Teachers Day

INVITING YOU TO JOIN US ON
THIS SPECIAL OCCASION

SEPTEMBER
THURSDAY   **05**   AT 2:30 PM
            2024

DEPARTMENT OF ELECTRONICS
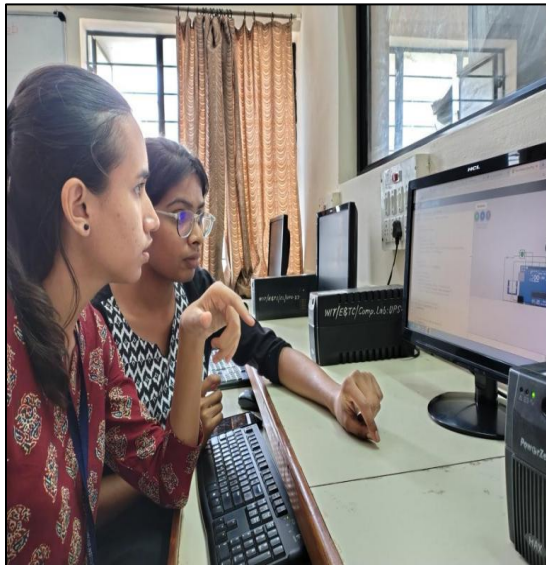ENGINEERING
W.I.T. SOLAPUR
VENUE: CLASSROOM M308

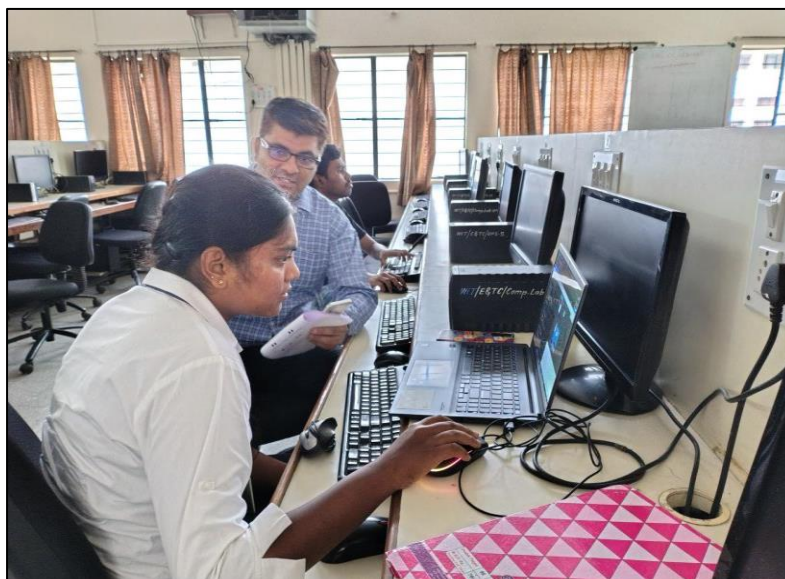## 3. ROBOMETRIX-2K24 Introduction to Basic Components

17/10/2024,Thursday

- **Objective:** To introduce participants to the fundamental components needed for building robots.

- **Event Images:**

4. ROBOMETRIX-2K24 Robo Race Bot Circuit Design and Coding

18/10/2024,Friday

- **Objective:** To teach participants the Robo race bot's circuit diagram and provide the necessary code.

- **Activities:**

  - **Detailed Circuit Explanation:**

    - Walkthrough of the Robo race bot's circuit diagram, explaining how the components connect.

    - Understanding the roles of motors, sensors, and driver modules in the race bot.

  - **Code Distribution:**

    - Providing participants with the base code to control the Robo race bot.

    - Explanation of key aspects like motor control, speed management, and sensor input.

- **Event Images:**

5. ROBOMETRIX-2K24 Robo Race Bot Hands-on-Practicing

- **Objective:** To engage students in a competitive activity to build the Robo race bot in real-time.

- **Activities:**

  o **Competition Format:**

    - Selected participants competed head-to-head in a group to assemble and program the Robo race bot.

  o **Team Collaboration:**

    - Emphasis on teamwork, problem-solving, and quick debugging.

  o **Hands-On Building:**

    - Participants started assembling the full Robo-race bot according to the provided circuit and code.

- **Event Images:**

Activities Conducted under Telecommunication and Electronics Students Association (TESA)

2023-24

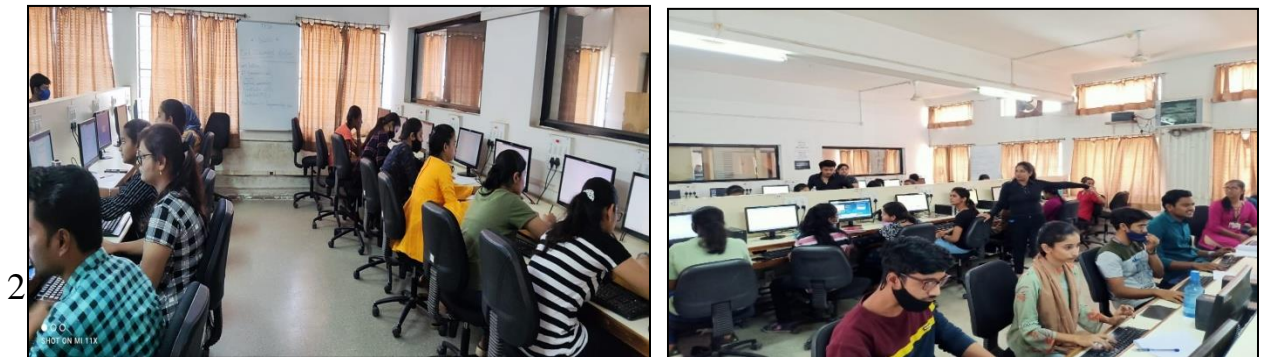| Sr. No.	Activity	Date	Topic covered	No. of participants
1	TESA Office Bearer interview	26/08/2023, Saturday	Personal Interview	8
2	Teachers Day Celebration	05/09/2023	Felicitation of faculties by students	75
2	Guest Lecture by: Mr. Rohit Palli (DICETEKLLC)	14/10/2023 Saturday	Cognizance lecture on software testing	63
3	Guest Lecture by: Mr.Shivram Madur CRIF Solution India Pvt.Ltd.	10/02/2024, Saturday	Job opportunities in IT industry	59

- **Teacher day celebration**

2022-23

Sr. No	Activity	Date	No of Participants
1	Guest Lecture by Mr.Prabal Jain, NXP Semiconductor, Bangalore. **Topics** : Career in VLSI Industry	18/8/2022	62
2	Robo Race Event	8/10/2022	13 Teams (Max 3 Students)
3	Seminar on IEEE Membership **Topics** : Internet of Things : Opportunities & Challenges	23/11/2022	92
4	Guest lecture by Anurag Jain & Deepan Lodha, TCS , Bangalore **Topics:** Career in Software Engineering.	29/12/2022	47
5	Guest lecture by Ayush Jain , Infosys Ltd & Tanmay Jain, TCS , Bangalore **Topic**s: Job opportunities in Core Industry	2/1/2023	61

2021-22

1. IT Industry, a Mock Placement Drive was conducted by the TESA The event organized in 2 rounds:
   1. Aptitude + Coding.
   2. Interviews.
   First round was conducted on 31/3/2022 with 121 entries. Round 2 was conducted on 1/4/2022 with 13 shortlisted students

2. A guest lecture by **Nikhil Bidkar**, Program Manager – Operations Planning, eShakti.com, Delhi was arranged on 1st April 2022 under Telecommunication and Electronics Students Association (TESA). The Chief Guest for this lecture was Mr. Nikhil Bidkar, the Program Manager on Operating Planning at eShakti.com. Near about 121 students attended this guest lecture

3. A guest lecture on "The future of Renewable Energy and scope for Engineers" by Ayesha Shaikh, M.D., Shams Energy was organized by TESA on 18th April 2022

4. "Identify the Problem First", creative and innovative contest conducted by TESA on 30th April 2022. Problem statement using the google form link were submitted by students. Top three problem statements were rewarded

Activities Conducted by Department

2023-24

1. Industrial Collaborated Internship Training Program of 3 months for Final Year (Electronics Engineering and Electronics and Telecommunication Engineering) on 'Full-Stack Web Development' was organized by Department of Electronics Engineering in technical collaboration with Agency09 Pvt. Ltd., Mumbai and Agrawal Technologies Limited, Solapur from 1st February to 30th April 2024. Total of 30 students enrolled for this activity

2. Department of Electronics Engineering has organized an Industrial visit to Sathe Engineering Company, Bale, Solapur on 24th February, 2024. Total 54 students participated in this visit and are accompanied by 2 faculty members of the Department.
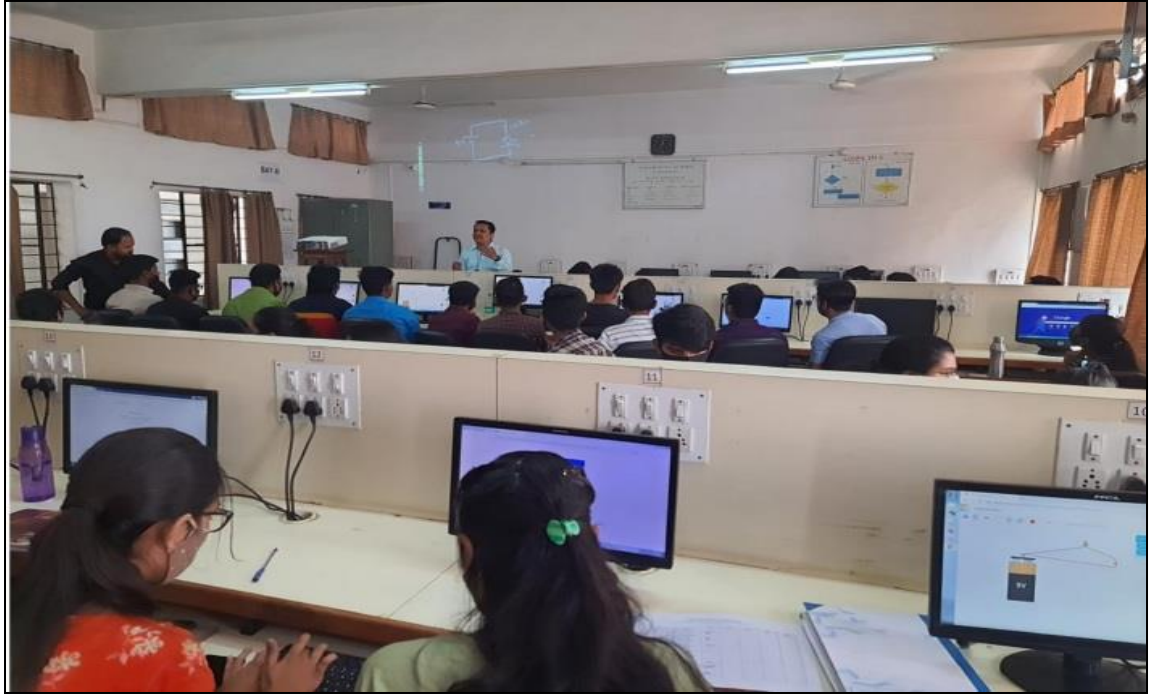
2022-23

3. Industrial Collaborated Internship Training Program of 15 days on 'IOT Full- Stack Development Bootcamp (Using Angular + AWS + ESP32) was organized by Department of Electronics Engineering and Department of Electronics & Telecommunication Engineering, in technical collaboration with RMTAG Solution LLP, Bangalore and Saksham Medicare Equipments and Services, Solapur from 17th August to 3rd September 2022

4. Industrial Visit to "Bhumi Radio Station, Solapur" was arranged for SY (ECE) on 11/12/2022 by Department of Electronics Engineering. A total of 45 students were present for this visit. Dr. R.J. Shelke was the faculty coordinator for this activity

5. Open Debate Competition was conducted for TY (Electronics) and TY (Electronics and Telecommunication) on 1/10/2022 on three different topics – E_commerce – a necessary evil!, Online learning in colleges is the way of the future and Technology is increasing people's quality of life. A total of 20 students participated in this activity. Dr. S.R. Gengaje was the faculty coordinator for this activity

6. Presentation Competition was conducted for TY (Electronics) and TY (Electronics and Telecommunication) on 15/10/2022 on topic – "Case Study of an Indian Fintech Company". A total of 20 students participated in this activity. Dr. S.R. Gengaje was the faculty coordinator for this activity

7. Presentation Competition was conducted for SY (ECE) by Department of Electronics Engineering on various state of the art topics on 25/11/2022. A total of 20 students participated in this activity. Mr. S.C. Kalshetti was the faculty coordinator for this event

8. Debate Competition was conducted for SY (ECE) by Department of Electronics Engineering on various on 26/11/2022. A total of 42 students participated in this activity. Mr. S.C. Kalshetti was the faculty coordinator for this event

9. A guest lecture on 'Ethical and Social Issues related to IT' by Mrs. Smita J. Chakote, MBA (HR & Marketing) was conducted for TY (Electronics) and TY (Electronics and Telecommunication) on 20/12/2022. A total of 72 students were present for this event

10. Industry Expert lecture on 'Career with Salesforce' by Mr. Navid Bakshi, Success Engineer, Salesforce Hyderabad was conducted for TY (Electronics) and BE (Electronics) on 13/12/2022. A total of 53 students were present for this event

11. Industry Expert lecture on 'Career in Core Electronics Engineering' by Mr. Shridhar Duddam, Smart Logic, Pune was conducted for TY (Electronics) on 28/11/2022. A total of 32 students were present for this event

2021-22

1. Induction/Refresher Programme on "Low Power VLSI System Design" was conducted by Department of Electronics Engineering sponsored by AICTE – ISTE on 10th and 15th January, 2022 with a total of 90 participants. Dr. S.R. Gengaje and Mr. R.N. Chavan were the coordinator for this event

2. Five days workshop on "ARDUINO and CAD Tools for Digital Innovation" for S.Y. B. Tech. students of Electronics & Telecommunication Engineering and Electronics Engineering was organized by Electronics and Electronics & Telecommunication Engineering, Walchand Institute of Technology, Solapur conducted under Institution'sInnovation Council (IIC) held from 7th March to 14th March 2022. A total of 175 students attended this workshop

3. "Innovative Circuit Simulation Contest" for SY and TY Students was organized by Electronics and Electronics & Telecommunication Engineering, Walchand Institute of Technology, Solapur conducted under Institution's Innovation Council (IIC) and TESA held on 12th July and 15th July 2021

Guest Lecture/ Seminars/Webinars conducted :

Sr.	Name of Expert	Topic	Class	Date	No. of participants
1.	Mr. Govind Kumar	Career in Cloud Technology Preparation	B.E.	19/08/2021	57
2.	Dr. Pratap Sanap	Current Trends in the Market & Preparation	B.E.	05/08/2021	52
3.	Mr. Pulkit Vaya	Preparation for Interview	B.E.	17/10/2021	40