

ORCHID COMMUNICATION-TIMES

NEWS LETTER 2023-24 (Sem -I)

Department of

Electronics & Telecommunication Engineering



Locally Rooted Globally Competent Education

PRADNYA NIKETAN EDUCATION SOCIETY, PUNE

N. K. ORCHID

**COLLEGE OF ENGINEERING
& TECHNOLOGY, SOLAPUR**

(AFFILIATED TO Dr. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE)



NAAC ACCREDITED INSTITUTE

Internship cum Placement 2023-24 (Sem –I)

40* Placements in 6 Companies

As per DBATU curriculum final year students are allowed to do internship in 8th semester and do project in industry. Industrial training helps to make students industry-ready by exposing them to newer technologies and engineering methodologies. Also it provides great platform to students for exposure of industrial atmosphere & ethics. Different Campus placement Drives were arranged for Placement and Internship of final year students by Prof. Roshan Pushapm and T&P Team. The details are as below.

Company Name: Subros limited Pune

Date: 09/12/2023

Following 7 students got internship with a stipend of **12k per month.**

- | | | |
|---------------------|------------------|-----------------|
| 1)Tukaram Achugatla | 2)Mansi Jadhav | 3)Sakshi Narone |
| 4)Vaishnavi Putta | 5)Samreen Shaikh | 6)Shweta Aiwale |
| 7)Ashwini Aherwadi | | |

Company Name: Vigyan Ashram

Date: 01/12/2023

Following 2 students got internship with a stipend of **10k per month.**

- | | |
|-----------------|------------------|
| 1)Anirudha Raut | 2)Samreen Shaikh |
|-----------------|------------------|

Company Name: Kiran Academy

Date: 01/12/2023

Following 9 students of final year E&TC got selected.

- | | | |
|------------------|----------------------|-----------------------|
| 1)Samarth Tungle | 2)Farheensaba Shaikh | 3)Bhagyashri Galpalli |
| 4)Balaji Dhawale | 5)Farheen Pathan | 6)Sneha Puttha |
| 7)Sandhya Gavani | 8)Dheeraj Ippakayal | 9)Gayatri Madiwal |

Internship cum Placement 2023-24 (Sem –I)

Company Name: Cyber Success

Date: 02/12/2023

Following 5 students of final year E&TC got selected.

- | | | |
|-----------------------|----------------------|--------------------|
| 1) Laxmi Mudgundi | 2) Kiti Saka | 3) Nagesh Ulagadde |
| 4) Ashutosh Chaudhari | 5) Anjali Chaturbhuj | |

Company Name: Profound Edutech

Date: 06/11/2023

Following 8 students of final year E&TC got selected.

- | | | |
|--------------------------|--------------------|---------------------|
| 1)Abusufiyan Akkalkotkar | 2)Ashwini Aherwadi | 3)Siddesh Jankar |
| 4)Sumit Shripati | 5)Tejas Bali | 6)Vyankatesh Jagtap |
| 7)Yogita Mergu | 8)Abhay Masuti | |

Company Name: Qspider

Date: 28/11/2023

Following 9 students of final year E&TC got selected.

- | | | |
|--------------------|------------------|------------------------|
| 1) Akshata Mense | 2) Archana Malge | 3) Mallikarjun Biradar |
| 4) Mangesh Parmali | 5) Punam More | 6) Saquib Bagwan |
| 7) Shital Kangiri | 8) Sneha Kapse | 9) Vinay Mane |

Summary of Internship cum Placement

Companywise selection -

- 1)Kiran Academy -09
- 2)Profound Edutech-08
- 3)Qspider -09
- 4)Vigyan Ashram-02
- 5)CyberSucess-5
- 6)Subros-07



AEXS Activities of 2023-24 (Sem –I)

Teachers Day Celebration and AEXS Inauguration

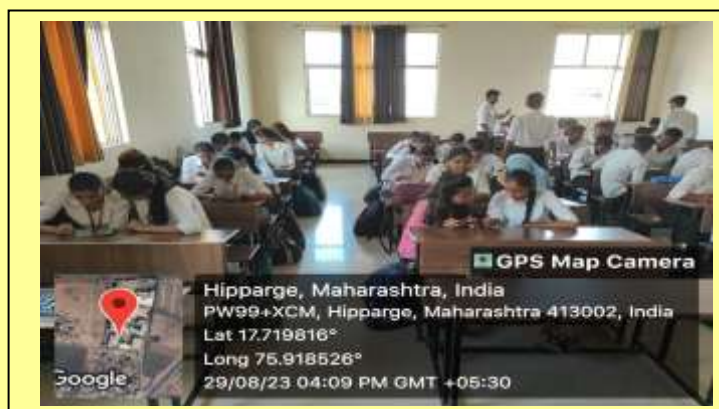
Date: 06/09/2023

AEXS arranged Inauguration of AEXS for year 2023-24 and Teachers Day Celebration. Mr. D. K. Yadav (TGT, Kendriya Vidyalaya CR, Solapur) was the Chief guest for the program. Students felicitated Teachers on the occasion of Teachers Day. Students expressed their gratitude towards teachers. Previous year AEXS committee members were felicitated. A.Y. 2023-24 AEXS Committee was inaugurated. Chief Guest, H.O.D. Prof. S. S. Dhotre Sir, Dr. V. S. Shirwal Sir shared their views on this occasion.



Online Test for SY Date: 29/08/2023

AEXS Committee conducted an Online Test on the topic "Open Source" for S.Y. students. 



World Students' Day Date: 16/10/2023

AEXS Committee celebrated "World Students' Day" to commemorate the birth-anniversary of Great scientist, Legend, Former President Dr. A.P.J. Abdul Kalam Sir's contributions in the field of education. All the faculty members and students were present for the event.



AEXS Activities of 2023-24 (Sem –I)

Technical Competition “TechMaze”

Date: 15/09/2023

In TechMaze students' teams competed classwise through different competition as follows:

1. S.Y. Class- Aptitude Test, Technical Quiz and Puzzle Solving.
2. T.Y. Class- Aptitude, Puzzle Solving and Coding round.
3. T.Y. Class- Aptitude, Puzzle Solving and Coding round.

Two teams from every class were chosen as winners after the final level.

Valedictory function was graced by Chief guest Prof. A. S. Kashid (Dean Administration), Prof. S. S. Dhotre (Head Of Dept.), Prof. R. R. Shriram (AEXS Coordinator). Chief guest shared their views on this occasion. Mr. Kartik Mudgonda from T.Y. class shared his thoughts. Prizes were distributed to the winning teams.



Expert Lecture

Date: 26/09/2023

AEXS arranged an Industry Expert Lecture on "Cyber Security Awareness and Career Opportunities". Topics covered in the session are- Introduction to Cyber Security, Types of Attacks, Phases of Attacks, Live demo examples of securing digital presence, Career Opportunities in Cyber Security domain. All SY and TY E&TC students attended the session.

Expert- Mr. Raghunandan Ghatule, Cyber Security Consultant, Pratishri IT Solutions, Pune



AEXS Activities of 2023-24 (Sem –I)

Essay Competition Date : 16/10/2023

AEXS Committee organized Essay Competition for S.Y.-I class on the occasion of "World Students' Day".

Topics :

- 1) Chandrayaan 3 2) Water Conservation
- 3) G20 summit 4) 5G Technology: A boom

Winners for this Essay Competition are :

- 1) Miss. Soumyashri Hundekari

Topic- Chandrayan 3

- 2) Mr. Samarth Adke

Topic- Water Conservation



Knowledge Transfer Session

Date: 31/10/2023

AEXS Committee organized a Knowledge Transfer Session on "Importance and Awareness of enhancing hardware and software development skills through Internship".

It was conducted by -

Mr. Dipak Rathod (T.Y.),

Mr. Nikhilesh Anamanla (T.Y.),

Mr. Aditya Bhosale (T.Y.),

Mr. Samarth Fulari (T.Y.)



Git, GitHub, Web hosting

Date: 20/10/2023

AEXS Committee organized a hands-on session on "Git, GitHub, Web hosting". It was conducted by the Google Developer Students Club (GDSC - NKOCET) and DevHub Community.

Topics covered: Version control, Coding collaboration, Project management, and Practical Git skills.

No. of Studnts attended: 71



Departmental Activities 2023-24 (Sem –I)

Junior College Connect Activity

Date: 24/11/2023

A session on "Career Guidance and Counseling" was organized for the students of X, XI and XIIth of Kendriya Vidyalaya, Solapur. Prof. S. S. Dhotre conducted the session.

KVS Junior college Connect Coordinator: Prof. R. R. Shriram

No. of Students: 100+



Screening of movie Father of Nation Date: 5/10/2023

As a part of Celebration of Gandhi Jayanti, movie "Father of Nation" was screened for SY, TY, and Final Year ENTC Students.



Departmental Activities 2023-24 (Sem –I)

Guest lecture

Date: 26/8/2023

Guest Lecture was conducted for Final year E&TC on Microwave Engineering subject.

Resources person:- Mr. Shirish Pataki (M.Tech with Gold Medal from WCE Sangli), working in Cadence Design System Pune on DSP Software Developer.

Co-ordinator: Prof. R. S. Bakare



Guest Lecture Date: 27/09/2023

Mr. G. Satish, Manager Academia, Vector India delivered expert session for ENTC Department Students. Topic: Scope of embedded systems
Following points are covered in the lecture:

1. Where embedded systems are applied
2. Growth of embedded systems industry
3. Skills required for carrier in embedded systems



Students present: 200

Coordinator: Prof Sudhirkumar Dhotre



Guest Lecture Date: 30/09/2023

Mr. P.C. Dhage, (Head/COO, Software Technology Parks of India, Bangaluru), delivered expert session for ENTC Department Students.

Topic: "Hackathons & Placements"

Following points are covered in the lecture:

1. Smart India Hackathon
2. Innovation and startups
3. Placement opportunities and Govt. policies
4. How to prepare for placements



Students present: 238

Coordinator: Prof Sudhirkumar Dhotre

Students Corner 2023-24 (Sem –I)

AVISHKAR -2024 COLLEGE LEVEL AND ZONAL LEVEL



Group 1) IoT based Smart Polyhouse



College Level: Date: 24/11/23

Zonal Level: Date: 26/11/2023

Following two groups from E&TC depart participated in College and Zonal Level Avishkar

1)IoT based Smart Polyhouse : In contemporary agriculture, the integration of technology has become imperative for maximizing efficiency and ensuring sustainable practices. This project introduces a cutting-edge approach to greenhouse cultivation through the integration of Internet of Things (IoT) technology. The smart polyhouse employs a network of sensors to monitor key environmental variables such as temperature and humidity in air, soil moisture in real-time.

Group Members : Ms. ABOLI KASABE Ms. SHRADDHA PAWAR Mr. ADITYA BHOSALE
Mr. VEDANT HIROLIKR Ms. PRIYANKA KHAMITKAR

2) X- ray colorization using Image Processing: X-ray colorization is to improve the clarity and differentiation of structures within the imaged subject. By assigning distinct colors to various tissues, organs, or materials, this technique aims to facilitate more intuitive and accurate interpretation for medical diagnosis, materials analysis, and other applications. The introduction of color can highlight specific features and nuances that may be less discernible in traditional monochromatic X-ray images.

Group Members: Mr. Aniruddha Mhaitraskar Ms. Revati Dudhanikar
Ms. Priyanka Saggam Ms. Nandini Devartote



Group 2)) X- ray colorization using Image Processing



Faculty Corner 2023-24 (Sem –I)

Research Work

Paper Publication **Date: 14/10/2023**

Prof. S. V. Bag Presented Paper entitled “Microcontroller based Smart Automated Public Garden Maintenance System ”, in 8th International Conference on IoT and Connected Technologies 2023, on 13th 14th Oct 2023. ➡



Paper Publication **Date: 26/11/2023**

Prof. S. S. More Presented Paper entitled “Computer Vision Approach for Outdoor Color Rating of Guava: Design and Implementation”, in IEEE Conference on Engineering Informatics ICEI 2023, on 25th 26th Nov 2023. ➡



NPTEL COURSES



NPTEL COURSE COMPLETION

➡ Prof. S. A. Kashid Completed 8 week NPTEL course on “Introduction on Machine Learning by IITKG.”

NPTEL COURSE COMPLETION

Prof. A. G. Dhanshetti Completed 12 week NPTEL course on “ Digital Circuits”. ➡



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Department Vision Mission PSO

The Electronics and Telecommunication Engineering Department aspires to: “To develop competent Electronics and Telecommunication Engineers who design, develop, and manage intelligent, connected, and sustainable electronic and Telecommunication systems leveraging cutting-edge technologies such as Embedded systems, VLSI design, IoT (Internet of Things), Next Generation Communication Systems, and AI-driven signal processing to address global growing digital and communication needs”.

Mission: The Electronics & Telecommunication Engineering Department is committed to:

M1: To deliver excellence in education by maintaining a curriculum that meets current industry and academic standards.

M2: To promote Applied Research & Innovation

M3: To develop Hands-On Skills & Industry Readiness

M4: To instill Sustainability & Social Responsibility

M5: To nurture Professional Values & Lifelong Learning

Program Specific Outcomes (PSOs): Upon completion of the Electronics & Telecommunication Engineering program, Engineering graduates will be able to:

PSO 1: Model, simulate, implement, and integrate Electronics and Telecommunication components and systems using appropriate engineering tools and technologies.

PSO 2: Apply programming techniques, embedded technologies, and software tools for the development of electronic and communication systems.

PSO 3: Integrate of Electronics and Telecommunication Engineering principles with emerging multidisciplinary technologies.

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