AISSMS
COLLEGE OF ENGINEERING
ज्ञानम् सकलजनहिताय

Department of Electronics and Telecommunication Engineering
2023-24,Sem I
e-NEWSLETTER

Principal: Dr. D S Bormane   **Head of Department: Dr. S B Dhonde**

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Dr. K B Chaudhari
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Mrs. Y P Lad

Principal Message

Dr.D.S.Bormane

Principal

AlSSMS College of Engineering, Pune

E-mail: principal@aissmscoe.com

AISSMS COE as an outcome of academic excellence achieved is consistently producing University gold medalists and top rankers in different branches of engineering. Faculty is actively involved in research and development. College has number of very high-end analytical, computational and experimental facilities at the disposal of students. As we are in 25th year, we have inclined our focus towards Research Field. We are going to concentrate more upon the Engineering Research activities and use those for students and society welfare.

The teaching program also gives emphasis on practical approach through industry-institute interaction. College organizes various Symposia, Workshops, Conferences and national level students' symposium and exposition 'AISSMS Engineering Today', Cultural Event like Shivanjali and Inter collegiate event named Ashwamedh every year which are a grand success. College has high participants in Sports as well as Cultural Activities. Also students actively work for different Technical teams under Society of Automotive Engineers (SAE). Students are also involved in Social cause under National Service Scheme, which arranges Blood donation Camp every year.

Students are also involved in College's Magazine Committee named SHIVDARPAN, which has been publishing finest and creative ideas by our students in a magazine. Also an event organized by them, named ARTRIVAL gets a huge response.

I am confident that the College is in a position to deliver the best theoretical and practical training to the students and offer the best talent to the employers. I wish all the best to the aspiring students, parents, employers and all other stake–holders in achieving their goals.

HOD Message

Dr. S B Dhonde

Professor & Head, **Department of Electronics and Telecommunication Engineering**

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I welcome you all to the Department of Electronics & Telecommunication Engineering having Intake-60 with 100% result and more than 95% placement. Department has a good track record of university rankers (TOP 10) produced 55+ university rankers out of which 8 Gold Medalist. Students are encouraged to pursue higher studies in the area of management, science and technology. The department has highly qualified & well experienced 16 faculty members and 06 non- teaching staff. Department have contributed to industrial development over the last 30 years at national and international level. Department has industry institute interaction cell & 21+ functional MoUs with various industries. Department is also run Post graduate (PG) course with intake 18 specialization in IoT and Sensor Systems.

Department has smart classrooms, well equipped laboratories, Seminar Hall and excellent computational facilities. Advanced software's like MATLAB, Simulink, Multisim, PSIM, CadFeko, Xilinx, Microwind, Proteus etc. are available in the department. The department also encourages the use of open source software such as eclipse, Visual Studio, Dev, Code blocks, SPJ, MySQL, etc. to work on advanced projects in various areas of Electronics & Telecommunication Engineering. Department is having Advanced Computing Laboratory and Advanced Communication Laboratory with high end equipment's in the field

from world brands like Tektronics and Agilent. Faculty members and students are actively engaged in research.

For overall development of the students, Industry Expert talk from eminent persons in the field is arranged; Industrial Tours, Technical Workshops, Soft Skill training programs are arranged on regular basis. Department is having vibrant student chapters such as Institution of Engineers, India (IEI) Student' Chapter , IEEE Student Branch, ISTE Students' Chapter, IETE Students Forum (ISF) etc. leads to develop the leadership and managerial qualities of the students. IEI Students' Chapter of Department received consecutive 7 years National Level Best Engineering College Students' Chapter Award. Department is running various students' clubs like Drone & Robotics (Avit-O-Virtue), Electronics for You (EFY), Data analytics and coding (DAEXUS). Drone and Robotics (Avit-O-Virtue) club bags National & State level First Prizes. Every year students organizes a Technical Event 'SILICON FUSION' under the aegis of 'AISSMS ENGINEERING TODAY' which creates platform for the students to participate in various technical activities. The Prizes are sponsored by various industries. Students from all over India, in engineering field, are participating in this event.

VISION of Department

Society Growth and Welfare through Competent Electronics and Telecommunication Engineering Graduates

MISSION of Department

- To facilitate E & TC graduates with sight of innovation.
- To provide a stimulating learning environment with modern tools & technologies.
- To produce dynamic graduates with ethics and moral values.
- To impart quality education in the field of E & TC engineering to solve societal and industrial problems

PROGRAM SPECIFIC OUTCOMES

PSO1	Analyze Design and test Analog and Digital circuits and systems for given application.
PSO2	Implements technical blocks of hardware – software co-design for Embedded & Robotics automation application.
PSO3	Apply knowledge of E & TC system for social and environmental problems as a individual member or leader of diverse team in multidisciplinary settings

PROGRAM EDUCATIONAL OBJECTIVES(PEOs)

PEO1	To build strong fundamental knowledge among graduates required to pursue their higher education and continue professional development

PEO2	To enable graduates to identify, analyze and solve Electronics and communication engineering problems by applying basic principles and modern techniques.
PEO3	To enable graduates to innovate, design and develop hardware & software components and groom their ability to succeed in multidisciplinary &diverse field.
PEO4	To imbibe professional attitude, effective communicational skills, teamwork skills for becoming a responsible, cultured human being

ACHIEVEMENTS OF FACULTY

Term One		
SN	Name of Faculty	Awards & Recognitions
1	Dr R R Itkarkar	1) Received Best Paper Award for Paper Entitled "**From Myth to Modernity: Resonating Echoes Of Feminine Empowerment** " in International Conference on Gender Equality & Women Empowerment 2024 organized by Department of Electronics & Telecommunication Engineering,PVGCOET & GKPIOM in association with Department of Education & Extension Savitribai Phule Pune University, held on 8th and 9th March 2024.

CONTRIBUTION OF FACULTY (Interaction with outside world)

SN	Name of Faculty	Nature and details of contribution (Representation at University, State, National , International level, corporate world, Social Platforms, etc)
1	Dr K B Chaudhari and N P Mawale	Visited Drone Expo at NESCO, Goregaon, Mumbai on 05/10/2023
2	Mr. S B Dhekale	Conducted Expert session on **Data Structures** at Navsahyadri Group of Institute, Pune
3	Mr. S B Dhekale	Conducted Expert session on **Fundamentals of Java** at Navsahyadri Group of Institute, Pune
4	Mr. N P MAwale	As a Speaker on topic "IE(I) benefits"
5	Dr V V Deshmukh	Reviewed papers for 6th International Conference on Emerging Smart Computing and Informatics (IEEE ESCI 2024)

6	Dr R R Itkarkar, Dr S B Dhonde, Dr L B Chaudhari, Dr V V Deshmukh & Mrs. Y P Lad	Visited C4i4 Lab (Centre for Industry 4.0) of Samarth Udyog Technology Forum, Pune; (Smart Advanced Manufacturing and Rapid Transformation Hub) at SPPU, Research park Pune 0n 02/08/2023
	Total Faculties Interacted with Outside world: 6	

FDP/STTP/SEMINARS/ WORKSHOPS/ WEBINARS/QUIZ ORGANIZED BY THE DEPARTMENT

	Name of Coordinator/s	Title of the Seminar/Workshop/Webinar	Duration/ Dates	No. of Participants	Funding Agency (If any) and Amount (Rs.)
1	Mr. N P Mawale	Climate Change and Awareness on Importance of solar Energy" & Solar Yatra by Energy Swaraj Foundation .Speaker: Prof. Chetan Singh Solanki, Prof IIT Mumbai, Department of Science and Engineering	31/08/2023	200	
2	Dr. V V Deshmukh	Engineering Today 2023	1114/8/2023 to 15/8/2023		
3	Dr. R R Itkarkar	Seminar on "Awareness on Industry 4.0 Speaker: Ms. Mrunal from C4i4 lab Pune	22/8/2023		
4	Dr. S B Dhonde	Guest lecture on IT Infrastructure and P production services and opportunities by Santosh Rangdal , Senior Vice Presidents, Bank of New York Mellon	25/8/2023		

5	Mrs. G D Saluke	Seminar on Need of Electronics in Automation Industry" _Sanjay Chaudhary, Electronics Study Centre, Nashik	25/8/2023	35	
6	Dr. S B Dhonde	Expert Session on IPR Reality and facts Speaker: Dr. S B Mohite CS 2S Technology, Pune	29/8/2023		
7	Dr. S B Dhonde	FE Induction Program	1/9/2023	20	
8	Dr R R Itkarkar	Webinar on 'Robotics in Dynamic Environment' & RoboSphere Webinar by Dr Shittal Chiddarwar, Professor VNIT, Nagpur Robosphere (Robo soccer Competition) at AISSMS COE Pune	webinar- 02/10/2023 12/10/2023	80 23 teams	Funded by IEEE Pune section Rs.5000/-(IEEE SIT SB, Lonavala & IEEE AISSMSCOE SB)
9	Mr. N P Mawale Mrs. R R Itkarkar	Personality development and Menstrual Hygiene specially for Girl Students and Lady Staff Members Speaker: Mrs. Priyanka Parmar	12/8/2023	80	
11	Mrs. G D Salunke	Industry Visit to Megha Embedded Systems India Pvt.Ltd.	27/9/2023		
12	Mr. N P Mawale Dr. R R Itkarkar	Avishkar 2023	27/9/2023	150	
13	Mr. N P Mawale	LinkedIn- Building a better Linked In Profile for increased Visibility Speaker: Ms. Khushboo Varma Skill Trainer at ITM Business School Khargar	3/10/2023	70	

14	Mr. N P Mawale	Industry Visit to IIT Tech Fest Mumbai	6/10/2023			
15	Dr R R Itkarkar	Industry Visit to Megha Embedded Systems India Pvt.Ltd.For TE Students	11/10/2023	78		
16	Dr R R Itkarkar Mrs G D Salunke	Social Visit to Mother Teresa Home, Tadiwala Road, Pune	27/10/2023	20		
Total Number of Activities Conducted: 16						

FDP/STTP ATTENDED BY THE DEPARTMENT FACULTY

Term One				
S N	Name of Faculty	Title of the FDP/STTP	Organized by	Duration/ Dates
1	Dr S B Dhonde	Anetwork dvance in 5G and next generation	SIT Lonavla sponsored by IEEE	26-30 June 2023
2	Dr K B Chaudhari	FDP on 'Implementing IOT and ML Application on Raspberry Pi'	Department of Electronics and Telecommunication, Bhivarabai Sawant College of Engineering and Research, Narhe	One Week 03/07/2023 to 07/07/2023
		Hybrid FDP on "AI in Healthcare"	Sponsored by IEEE and organized by MIT school of Computing	One week 24/07/2023 to 28/07/2023.

		STTP on 'Recent trends in AI tools'	Department of Information technology, D Y Patil College of Engineering, Akurdi, Pune	One week 24/07/2023 to 28/07/2023
3	Mr. N P Mawale	ISTE Approved STTP/FDP on Developing Research Culture in Educational Institutes as per Recent Trends in Industry	Trinity College of Engineering and Research, Pune	1 Week 18.12.2023 to 22.12.2023
4	Mrs. V S Navale	Training Program on Statistical Analysis with Excel	AISSMS IOIT	9/12/1013 to 13/12/2023
5	Mrs. Y. P. Lad	Training Program on Statistical Analysis with Excel	AISSMS IOIT	9/12/1013 to 13/12/2023
6	Dr R R Itkarkar	Training programme NEP-3 Entrepreneurship and Start-ups in the context of NEP 2020	NITTTR Bhopal	19/06/23 to 23/06/2023 (not included in term 2 22-23)
7	Dr R R Itkarkar	One week FDP on "Implementing IOT and ML Application on Raspberry Pi",	Department of Electronics and Telecommunication, Bhivarabai Sawant College of Engineering and Research, Narhe	03/07/2023 to 07/07/2023
8	Dr R R Itkarkar	one week National level FDP on Cloud Infrastructure (AWS)	AISSMS IOIT in collaboration with Brainovision solutions India	21/08/23 to 25/08/2023

			Pvt Ltd, and AICTE	
9	Mrs. Geeta D. Salunke	"Advances in 5G and Next Generation Networks(5GNGN)",	Department of Electronics Engineering, Yeshwantrao Chavan College of Engineering Nagpur	26/06/2023 to 30/06/2023
		Cloud Infrastructure	AISSMS College of Engineering, Pune. In collaboration with Brainovision Solutions India Pvt Ltd and AICTE	21/08/2023 to 25/08/2023

ONLINE COURSES / CERTIFICATE COURSES COMPLETED BY DEPARTMENT FACULTY

Term One				
S N	Name of Faculty	Title of the Course	Conducted By	Duration/ Dates
1	Dr R R Itkarkar	Online MOOC's Modules in SWAYAM- Module -5 ,Technology enabled learning and life-long self-learning	SWAYAM	8 Week
2	Dr R R Itkarkar	NPTEl Online Certification on Cloud Computing	Swayam- IIT Kharagpur	12 week
3				
4	Mrs. Geeta D. Salunke	Developing Soft Skill and Personality	NPTEL, IIT Kanpur	July-Sep 2023

RESEARCH CONTRIBUTION
1. FUNDED RESEARCH PROJECT

Term One				
S N	Principal Investigator	Title of the Project	Amount Received (Rs)	Funding Agency
1	Dr S B Dhonde	Grant Received under the scheme AICTE-Industry (MODROB) - Artificial Intelligence & Machine Learning integrated Internet of Things (Al & ML	1474730 Rs	AICTE-Netala Innovation Pvt ltd

PATENTS, COPYRIGHT, TRADEMARK AND OTHER (IPR)

Term One				
Sr No.	Name of Faculty	Name of the Patent	Patent Number and Date	Type (National/ Int-National /Commercialized)
1	Vignesh Iyer and Dr Rajeashri Rahul Itkarkar	Real time arm movement detection for elderly people	L- 128797/2023 dated 10/07/23,	National

INTERACTION WITH INDUSTRY

Industry Visit : 2
Indsutry Sponsored Project : 2
Active MoU : 14

Technical Consultancy with Kone Cranes
Final presentation at Kone Crane on 14/07/2023 of Technical consultancy on Implementation of image detection methodology for visual inspection of crane parts

SPORTS / CULTURAL ACHIEVEMENTS OF STUDENTS (Individual Level

Name of Student	Details of Achievement	Remark
Ashutosh Waghavkar	Ashutosh Waghavkar won a Silver Medal in the 35th Maharashtra State Taekwondo Championship in the Senior Men's Under 58 Kgs category.	won silver medal

STUDENTS' ACHIEVEMENTS (Team Level)

Name of Event	Name of Faculty Advisor	Details of Achievement	Remark
Quark" (robo race)	Mr N P Mawale	The team event "quark" (robo race) secured the Runner Up position with prize money at BITS Goa on 13/7/2023.	Runner Up
Technical consultancy	Dr.R.R Itkarkar	final presentation at Kone Crane on 14/07/2023 of Technical consultancy on Implementation of image detection methodology for visual inspection of crane parts	Technical consultancy

Glimpses of Event

Avit-O-Virtue Club won 3rd prize at Bits Pilani.
(PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO10,PO11,PO12)

Mr. Ashutosh Waghavkar won Silver Medal in Taekwondo competition

Parent meet

Industry Visit to Megha Embedded Systems Pvt.Ltd for SE Students

Personality Development and Menstrual Hygiene For Women' by Mrs. Priyanka Parmar, on 12th September 2023

Best IE(I) Student Chapter Award for AY 2022-23

RoboSphere 9th October 2023 AT aissmscoe PUNE

Alumni meet AY 2023-24

Summary:

Total Number Of FDP/STTP Attended By The Department Faculty	15
TOTAL NUMBER Of SEMINARS/ WORKSHOPS/ WEBINARS ATTENDED BY THE DEPARTMENT FACULTY	24
Online Courses / Certificate Courses Completed By Department Faculty	5
EXTENSION LECTURES / WEBINARS CONDUCTED (Lectures Organized On Other Than Technical Topics	2
Seminars/ Workshops/ Webinars Organized By The Department	24
Faculty Served As Resource Person, Expert, Chairperson	9
Mou Signed With Academic And Professional Organizations	1
Social Activities Organized	1
Parent Meeting Conducted For Se,Te And Be Class	1
Alumni Meet Conducted At College Level	1
Industry Visit Organized	2
List Of Industries Supported In The Organization Of Workshops/Seminars/Webinars/Conferences/Courses And Any Other Contribution Of Industry	4

Dr. S B Dhonde
Head of Department