Shahajirao Patil Vikas Pratishthan

S.B. PATIL COLLEGE OF ENGINEERING

INFORMATION BROCHURE
Department of Electronics and Telecommunication Engineering
(2022-2023)

CONTENTS

- VISION & MISSION

- MESSAGE FROM HEAD OF DEPARMENT

- RATIONALE & PROGRAMME STRUCTURE

- PROGRAM EDUCATION OBJECTIVES (PEO) & PROGRAM OUTCOMES (PO)

- FACULTY PROFILE

- DEPARTMENT FACILITIES

- ACHIEVEMENT OF DEPARTMENT

- STUDENT PLACEMENT

- MOU'S

- STUDENT RESULTS

- FUTURE GOALS OF DEPARTMENT

Department of Electronics and Telecommunication Engineering

❖ VISION

❖ To provide best opportunities to the students to attain technical excellence in the field of E&TC and emerging technologies to develop comprehensive and integrated personalities.

❖ MISSION

❖ To impart updated technical education and knowledge E & TC engineering.

❖ To groom our young students to become professionally and morally sound engineers

Message From Head of Department

Dear Friends,

The Department of Electronics and Telecommunication Engineering at SBPCOE Indapur, Pune, is involved in providing quality education in Undergraduate (UG) levels. Electronics& telecommunication Engineering started in 2009. The syllabi of the courses are continuously updated as per SPPU guidelines and the laboratories are modernized to reflect the rapid changes in technology.

Prof. V.U.Bansude
Assistant Professor

The core programme is supplemented and further reinforced by a well-chosen set of elective courses permitting the students to specialize in the software and hardware aspect of Communication systems. All the laboratories are designed as per AICTE norms and curriculum of Savitribai Phule University of Pune. Laboratories are spacious and have state-of-art equipments, Computers, software and Hardware like Communication lab, Microprocessor & Microcontroller Lab, VLSI Computer Lab, Embedded System Lab, Microwave Lab and Robotics Lab.

The department runs Value Added Programmes for students on various advanced topics useful from the industry placement point of view. We at SBPCOE are committed to offers high quality research programmes in the areas of electronics and telecommunication.

❖ RATIONALE

➢ E&TC Engineering Programme is designed to provide theoretical and practical knowledge of E&TC Engineering, managerial and entrepreneurial skills to enable students to contribute to the well being of society with a global outlook.

➢ This programme offers students a wide range of different fileds in E&TC engineering courses such as anteena and Radar, Embedded systems,VLSI technology, Signal and Image Processing, wireless communication and networks, satellite communication, power electronics.

❖ PROGRAM STRUCTURE

The duration of the programme is eight (8) semesters i.e. 4 academic years. The Examination held by the department as per SPPU guidelines during each semester

Subjects in E&TC Engineering:

❑ **Second Year (2019 Course, Semester Pattern, Credit System, w.e.f. June 2020)**
   Signals & Systems , Electronic Circuits, Electrical Circuits , Digital Circuits, Object oriented programming , Data Analytics, Principle of Communication system , Control System, Engineering Mathematics III, Employability Skill Development

❑ **Third Year (2019Course, Semester Pattern, w.e.f. June2021)**
   Digital Communication, Database management, MicroController, Electromagnetic field thoery, , Embedded Processors, Power Devices & circuits, Cellular Networks, project management, Fundamentals of JAVA Programming

❑ **Fourth Year (2019Course, Semester Pattern, Revised syllabus, w.e.f. June 2022)**
   VLSI Design & Technology, Innovation & Entrepreneurship, Digital Business Management, Electronic system Design,,Fiber Optic Communication, Radiation & Microwave Theory,

❑ **Elective Subject :**
   Modernised IOT, Electronic Product Design,Java Script, Digital signal processing, PLCs and Automation, Advanced java programming, embedded processor, Network security,

PROGRAM EDUCATION OBJECTIVES(PEO'S)

Student will be able:

- ❑ To apply fundamental knowledge of science, mathematics to engineering.

- ❑ To study, design and develop, analyze the electronic circuits , equipments, projects and software.

- ❑ To perform the duties assigned to them as team leaders or project managers in industry / organization.

- ❑ To take up higher studies in electronics & allied areas of engineering & management.

- ❑ To attain the qualities of professional leadership to deliver effectively in a multi-disciplinary team & domains.

PROGRAM OUTCOMES(PO'S)

Students should develop

- ❑ An entrepreneurship qualities

- ❑ An ability to apply knowledge of science , mathematics and engineering.

- ❑ An ability to design and conduct experiment as well as to analyze and to interpret data

- ❑ An ability to design a system component or process to meet desired needs within realistic constraints such as economic , environmental, social, political, ethical , health and safety manufacturability and sustainability

- ❑ An ability to function on multidisciplinary teams

- ❑ An ability to develop skills to face challenging task for creating innovative ideas for the benefit of society.

- ❑ An ability to use required techniques, hardware & software tools for engineering applications.

TEACHING FACULTY PROFILE

Name	Prof. V. U Bansude
Designation	Assistant Professor
Qualification	M.E. (VLSI & Embbeded system)
Experience	13.6 Years
Area of Interest	Digital System, VLSI & Embedded System

Name	Prof. P. S. Togrikar
Designation	Assistant Professor
Qualification	M.Tech (Wired & Wireless Comm.)
Experience	13 Years
Area of Interest	Wired & Wireless Communication, Signal & Image Processing

Name	Prof. Y. R. Gajare
Designation	Assistant Professor
Qualification	ME (Signal Processing)
Experience	8.6 Years
Area of Interest	Digital System, CMOS, VLSI, Signal Processing

Name	Prof. M. M. Zade
Designation	Assistant Professor
Qualification	M. E. (E&TC)
Experience	13.6 Years
Area of Interest	Image Processing, Mobile, Satellite & Broadband Communication

Name	Prof.A.S.Shirkande
Designation	Assistant Professor
Qualification	ME. (VLSI & Embbeded system) PHD*
Experience	10.3 Years
Area of Interest	VLSI & Embbeded system

Name	Prof. S.R.Sable
Designation	Assistant Professor
Qualification	M.E. (Digital Electronics)
Experience	2 Years
Area of Interest	Signal &Speech Processing

TEACHING FACULTY PROFILE

	Name	Prof. J.M.Waghmare
	Designation	Assistant Professor
	Qualification	M.E. (VLSI & Embbeded system)
	Experience	8.4 Years
Area of Interest	Data science, Machine Learning,VLSI	

	Name	Prof. S.D.Indalkar
	Designation	Assistant Professor
	Qualification	M.E. (VLSI & Embbeded system)
	Experience	11.3 Years
Area of Interest	VLSI & Embbeded system	

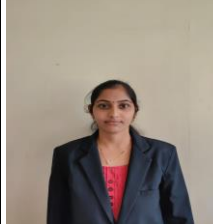|	Name	Prof. R.A.Sawant
	Designation	Assistant Professor
	Qualification	M.E. (Electronics)
	Experience	4 Years
Area of Interest	Communication Engineering	

	Name	Prof. S.M.Borate
	Designation	Assistant Professor
	Qualification	M. E. (E&TC)
	Experience	5.4 Years
Area of Interest	Image Processing	

	Name	Prof. R.N.Chate
	Designation	Assistant Professor
	Qualification	M.E. (VLSI & Embbeded system)
	Experience	3.2 Years
Area of Interest	VLSI & Embbeded system	

ADJUNCT FACULTY PROFILE

	Name	Dr. Mohite-Patil Tanajirao B.
	Designation	Adjunct Faculty
	Qualification	Ph.D(Electronics)
	Experience	26 Years
Area of Interest		Academia

NON -TEACHING FACULTY PROFILE

Sr. No.	Name of staff	Designation & Qualification	Area of Interest	Total Experience
1	Mr. P.S. Parkale	Laboratory Assistant B.C.A.	Hardware & Networking	7 .6Year
2	Mr.S.S Waghmare	Laboratory Assistant ITI	(Electronics Mechanics) CPI	15.4Year
3	Mr. S. A. Pawar	Attendant	--	11.6 Year

DEPARTMENT LABORATORY INVESTMENT

Sr. No.	Name of the Lab.	Total Investment In Rs.
1	Analog Electronics lab	611217.50
2	Digital Electronics lab	307387.00
3	Power Electronics lab	385296.00
4	Computer lab - I	1044411.50
5	Basic Electronics lab	164548.25
6	Communication lab	1639751.50
7	Microprocessor & Microcontroller Lab	241804.75
8	VLSI Computer Lab	1345865.00

DEPARTMENT LABORATORY INVESTMENT

Sr. No.	Name of the Lab.	Total Investment In Rs.
9	Embedded System Lab	376958.88
10	Project Lab	440793.12
11	OFC Lab	601925.00
12	TSS Lab	205812.00
13	COMP-LAB-II	628210.38
14	Microwave Lab	117900.00
15	Robotics Lab	185873.50

16	Mechatronics Lab	1,39,674
17	IOT Lab	63,048
	TOTAL INVESTMENT :-	8500496.38

INSTRUMENT IN E&TC LABORATORY

❖ Digital Readout Oscilloscope

❖ Function Generator

❖ **Features**
- ❑ 20MHz Two Channel
- ❑ 30 MHz 2 Channel 4 Trace
- ❑ Microcontroller Based Oscilloscope
- ❑ Digital readout
- ❑ Backlit LCD displays (Volts/ Div, Time/Div)
- ❑ Stable triggering up to 50MHz
- ❑ X10 magnification
- ❑ Maximum sweep speed 20ns
- ❑ Alternate triggering
- ❑ Line triggering
- ❑ Variable hold off
- ❑ Component and continuity tester,
- ❑ Gold plated BNC connectors
- ❑ Auto focus

❖ **Features**
- ❑ 1Hz-1MHz Model
- ❑ 2MHz Model
- ❑ Microcontroller Based Function with Sine, Triangle, Square, Pulse, Pump Pulse Generator
- ❑ 40MHz Frequency and TTL outputs Modulations,
- ❑ 16X2 Counter character LCD display
- ❑ 20 Vpp output and DC Offset
- ❑ 40 MHz Frequency Counter
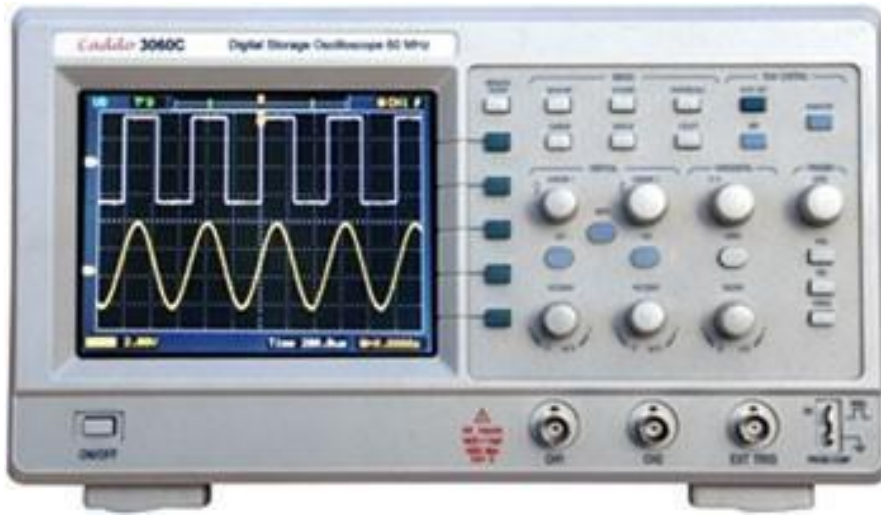
INSTRUMENT IN E&TC LABORATORY

❖ Digital LCR Meter

❖ **Features**

- ❑ Digital LCR Meter
- ❑ Simple and Practical LCR Meter
- ❑ 20X2 Characters Display
- ❑ Back-light
- ❑ Multi Frequency Zeroing Function
- ❑ 4 Bins Comparator Function
- ❑ High performance and low cost

❖ 25 MHz Digital Storage Oscilloscope

❖ **Features**

- ❑ 25 MHz Digital Storage Oscilloscope
- ❑ Compact kEY design.
- ❑ Easy to read color or monochrome(NST) LCD.
- ❑ Advanced Triggering function from edge, video, pulse, delay.
- ❑ Mathematics Function- FFT spectrum analysis
- ❑ Automatic Parameter measurements: Vpp, Vamp, Vrms, Vmax, Vmin, Vtop, Vbase, Vavg, Freq, Period, Risetime, Falltime, +Width, -Width, Overshoot, Preshoot, +Duty, -Duty
- ❑ 10 Waveforms Parameter Setups, Save, Real
- ❑ Power Supply: 100-240V, 45-65Hz
- ❑ Standard Configuration: USB Device.

INSTRUMENT IN E&TC LABORATORY

❖ **Digital Multi Meter**

❖**Features**

❑ Max LCD display 1999
❑ AC / DC Voltage and Current measurement
❑ Diode , Transistor & Continuity test
❑ hFE , Resistance, Frequency measurement
❑ Battery indicator

❖ **Dual-DC Regulated Power Supply**

❖**Features**

❑ Dual output voltage – 0-30 V
❑ Dual output current – 0-3 A
❑ Display – 3 digital voltage and current display
❑ Fixed output – 5 V/2 A
❑ Others – independent, series and parallel modes
❑ Independent output voltage – 0-30 V per channel
❑ Output current – 0-2 A per channel
❑ Series output voltage – 0-60 V using both channels
❑ Output current – 0-2A using both channels
❑ Parallel output voltage – 0-30 V using both channels
❑ Output current – 0-4 A using both channels.

INSTRUMENT IN E&TC LABORATORY

❖ Spectrum Analyzer
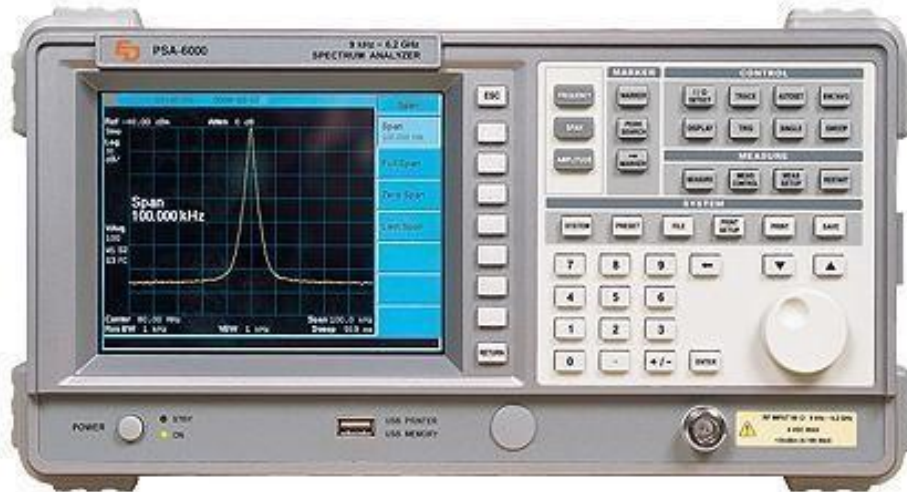
❖Features
- ❑ frequency range: 9khz ~ 3ghz , aging rate-10ppm
- ❑ PLL technique
- ❑ Span range-2khz-3ghz
- ❑ Sweep time range-50 ms
- ❑ Video bandwidth range-10 Hz -1 MHz
- ❑ Tracking generator
- ❑ Model GPS- 180
- ❑ Model PSA 3000

❖ 6½ Digit Digital Multi Meter

❖Features
- ❑ 12 different measurement capabilities
- ❑DCV/ACV, DCI/ACI, W2 W/W4 W, Frequency/ period Diode Test /continuity- dB/dBm etc..
- ❑High brightness vacuum fluorescent dual display.
- ❑True-rms AC voltage and current measurement, Frequency bandwidth up to 100 KHz/300 KHz.
- ❑DCV measurement accuracy up to 0.01 % / 0.005, resolution ;1mv/0.1JL/V.
- ❑Max. measurement rate: 45 results per second.
- ❑Equal accuracy frequency measurement greater than 1 MHz, Min resolution 10 MHz.
- ❑ 512 reading storage , MAX/ MIN/ AVER/ STD statistics.

INSTRUMENT IN E&TC LABORATORY

❖ Digital Trainer Kit

❖ Features

❑ 20 pin x 5 ZIF sockets

❑ 1 x 40 pin ZIF socket

❑ 1Hz to 10MHz clock source in steps

❑ Manual Clock pulse with +ve & -ve pulse, 2 digit display

❑ 8 Logic inputs, 8 Logic outputs & +5V with short circuit protection,

❑ +/- 12V, -5V @200mA each on board provided with short circuit protection

❖ 34 Channel Logic Analyzer

❖ Features

❑ 500 MHz Timing-Mode (Internal Clock)

❑ 200 MHz State-Mode (External Clock)

❑ Advanced Multi-Level Triggering

❑ Real-Time Sample Compression

❑ +6 V to -6 V Adjustable Logic Threshold

❑ I2C, SPI and RS232 Interpreters

❑ Built-in 300 MHz Frequency Counter

❑ USB 1.1 and 2.0 Compatible
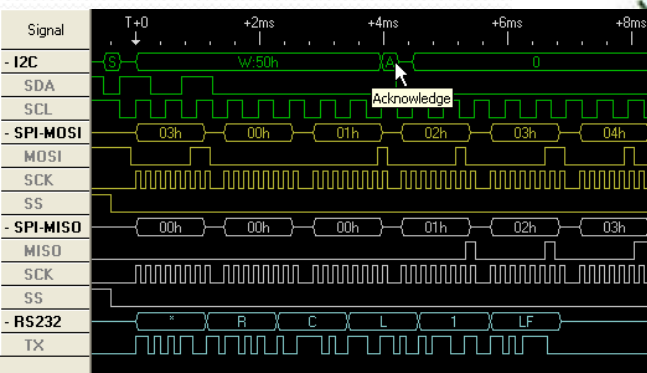
INSTRUMENT IN E&TC LABORATORY

❖ **Network Analyzer**

❖Features

❑ System bandwidth Range 100 MHz to 2.7 GHZ

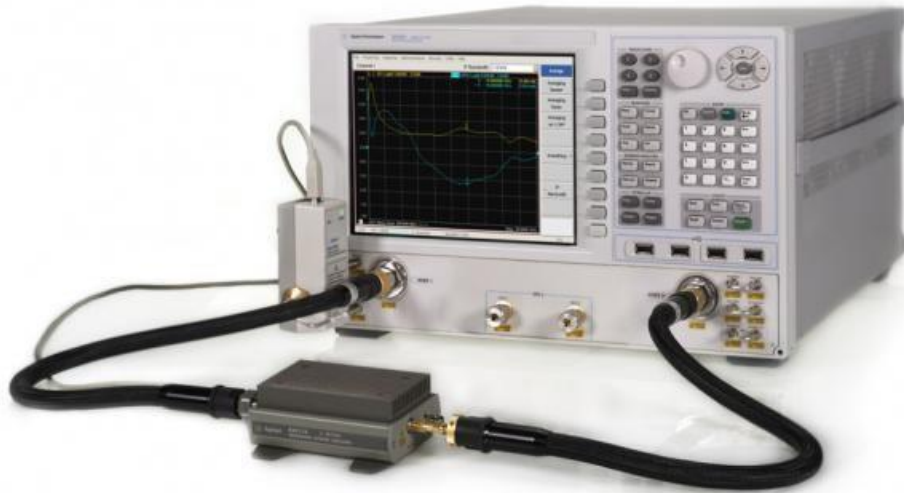❑ Single channel VNA

❑ Test ports Type-N, female, 50 Ω (nominal)

❑ Display - 10.4 inch TFT color LCD with touch screen XGA (1024 x 768)1

❑ USB host port Universal serial bus jack, type A configuration, female; provides connection to mouse, keyboard, printer, Ecal module, USB coaxial switch, or USB/GPIB interface

❖ **Digital IC Tester**

❖Features

❑ Tests a wide range of Digital IC's such as 74 Series.

❑ It has Auto search facility of IC's

❑ ZIF: 40 pin DIP ZIF sockets.

❑ Keys: 16 keys Key pad with numerical & functional keys.

❑ Display: 16x2 LCD Display. Supply Input Voltage: 9V DC Adaptor.

INSTRUMENT IN E&TC LABORATORY

❖ ARM 7 / 9 Based Development Board

❖**Features**

- ❑ Atmel AT91SAM9260 , 32 Bit ARM Processor
- ❑ On board external clock frequency 12MHz.
- ❑ 32/64 MB Flash and 64 MB SDRAM
- ❑ I2C Based Serial EEPROM (256/512 Kb)
- ❑ I2C Based RTC with battery
- ❑ Two UART for Programming and Debugging
- ❑ 4x4 Matrix Keys
- ❑ SD/MMC card interface
- ❑ On chip ADC with port for simulation
- ❑ Debugging Header with JTAG interface (20 pin)
- ❑ 8 Programmable LED's

❖ MIC-Trainer

❖**Features**

- ❑ Model-XPO kit/8086/8088
- ❑ 16 x 2 LCD display
- ❑ SMPS
- ❑ Keyboard.

INSTRUMENT IN E&TC LABORATORY

❖ **Microwave test bench**

❖**Features**

❑ Display: LCD (16 X 2)
❑Voltage Range:0 to 10V
❑Current:750 mA maximum
❑Stability:0.1 % for + 10% mains variation
❑Ripple:1.0 mV typical
❑PCInterface:RS232
❑Int. Modulating Voltage:0 – 10VVpp variable
❑Int. Modulating Frequency :   800 to 1200 Hz
❑Connector: BNC for Gunn Bias

❖ **Fiber Optic Trainer**
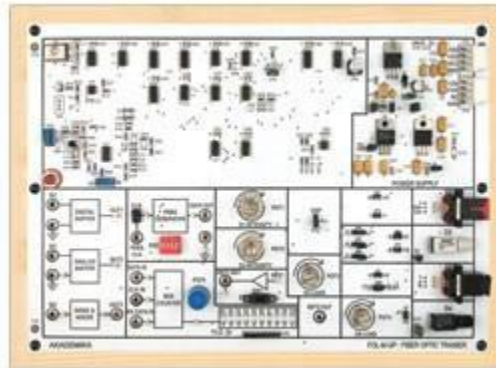
❖**Features**

❑ Type: Laser
❑Visible LED
❑Silicon PIN photo Transistor
❑In GaAs PIN photo diode
❑Glass fiber single & multimode
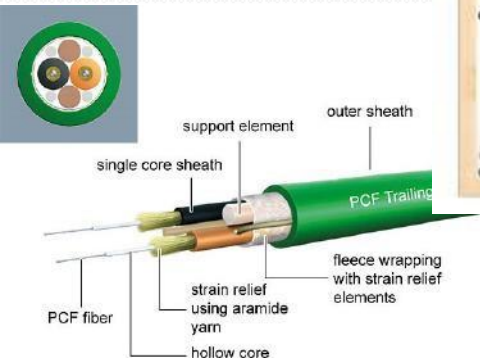
INSTRUMENT IN E&TC LABORATORY

❖ Automatic Telephone Exchange Training

❖Features

❑ Study of switching phenomena
❑Study of various detection phenomena
❑Study of traffic units
❑Complete Block diagram of EPABX system on-board
❑Easy identification of different sections and signal flow through LED visualizations
❑Easy measurement of voltages and observation of waveforms
❑Soldering free fault creation and troubleshooting

❖Mobile Phone Trainer

❖Features

❑ Frequency Measurement and band verification
❑Real time Mobile Operation
❑ Full understanding of mobile phone working
❑Provides study of all sections in mobile phone
❑TX/RX Frequency Measurement, 2G Technology & GMSK Signals
❑Detail study of SIM Operation
❑Detail study of User Interface Control Signals
❑CD containing mobile phone working presentation

INSTRUMENT IN E&TC LABORATORY

❖ Matrix Board - VLSI

❖**Features**
❑ SMATrix- Advanced VLSI Proto-board with all add on modules.
❑ Multi-vendor device support for Xilinx.
❑ 16 digital LED indicated outputs.
❑ 4x4 membrane keypad.

FPGA board

❖**Features**

❑ Configuration Device
❑ 100 I/O PAD
❑ Separable VCCO
❑ One User Push-Button Switch
❑ Two User LEDs
❑ Three Status LED (Power, Done, Awake)
❑ FRAM 256 kbit
❑ Power-on Reset IC
❑ 3.3 V single power supply operation with on-board 1.2 V regulate

EMBEDDED SYSTEM & ROBOTICS LABORATORY

Department of E&TC, S. B. Patil College of Engineering, Indapur has taken an initiative to setup e-Yantra Robotics Lab under e-Yantra Lab Set – up Initiative (eLSI) by IIT Bombay. SBPCOE e-Yantra Robotics Lab trains the students in embedded systems and micro-controller programming by engaging them through the Project Based Learning (PBL) mode.

❑ **Benefits of e-Yantra robotics lab to students:**
- ✓ Awareness of embedded systems, robotics technology and mechatronics.
- ✓ To provides platform for design, develop, program and test of robots to various applications.
- ✓ Improve BE projects with help of e-Yantra open source community.
- ✓ Exposure to job opportunities in robotics.

❑ **e-Yantra Competitions (Forstudents):**
- ➢ e-Yantra Robotics Competition(eYRC)
- ➢ e-Yantra Robotics Competition Plus(eYRC+

❑ **e-Yantra Competitions For Teachers:**
- ➢ e-Yantra Robotics Teacher Competition (eYRTC)

❑ **e-Yantra Competitions (For Students and Teachers:**
- ➢ e-Yantra Ideas Competition (eYIC)

INFRASTRUCTURE FACILITY

1. Physical Facility

Particulars	AICTE Requirement	Available
Classrooms (66*2=132sq.ft)	03	02
Laboratories (66*7=462sq.ft)	10	07

2. IT Facility

Sr.No	Particulars	Available capacity
1	No of computer	74
2	No of printer	04
3	LAN connectivity	Yes
4	WIFI Connectivity	Yes
5	LCD projector	05
5	Colour Printer	01

List of Publication

Publications

Sr. No.	Name of the Teacher/Author	Title of the Paper/Book	Name of the Journal/Proceeding/Edited Book	Volume & Pages	Year of Publication	ISBN/ISSN No.
1.	Prof. V. U. Bansude	Malnutrition Detection using Skin and Nails Images	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 12	December - 2022	ISSN: 2582-3930
2.	Prof.P. S. Togrikar	Machine vision and image processing based defect detecting using raspberry pi	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 11	November - 2022	ISSN: 2582-3930
3.	Prof. M. M. Zade	Automation of color object sorting conveyor belt	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 11	November - 2022	ISSN: 2582-3930

4.	Prof. C. V. Nalawade	Visual Assistant Using Raspberry Pi for Blind People	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 10 Issue XI	Nov 2022	ISSN: 2321-9653
5.	Prof. A.S. Shirkande	Study on the OCR of the Devanagari script using CNN	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 10 Issue IX	September 2022	ISSN: 2321-9653
6.	Prof.A.S. Shirkande	Rocker-boogie for military use	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 11	November - 2022	November - 2022

7.	Prof. S.D. Indalkar	Bridge monitoring system	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 11	November - 2022	ISSN: 2582-3930
8.	Prof. S. R. Sabale	A multifunctional robot for remote surveillance in military applications	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 11	November - 2022	ISSN: 2582-3930
9.	Prof. J. M. waghmare	Prediction of heart disease using different machine learning algorithms	International Journal of Research and Analytical Reviews (IJRAR)	Volume 9 Issue 3	August 2022	ISSN: 2348-1269
10.	Prof. S. M. Borate	Android mobile control smart pesticide spraying robot	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 12	December - 2022	ISSN: 2582-3930
11.	Prof. R.A Sawant	Automatic solar tracker with mppt charger and inverter	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 11	November - 2022	ISSN: 2582-3930

Student Achievement
Academic Year 2021-22

Sr. No.	Name of Author	Title	Journal/Conference Name	ISSN/ISBN	Volume Issue,Year and Page No.
1	Sarita. J. Suryavanshi, Snehal. P. Jagtap,	Visual Assistant Using Raspberry Pi for Blind People	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 10 Issue XI	Nov 2022
2	Kajal.D. Yewale ,Rohini V. Late.Sanjay .J. Pawar	Bridge monitoring system	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 11	November - 2022
3	MayurLonde, TusharPetkar, VishnuMaske	Malnutrition Detection using Skin and Nails Images	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 12	December - 2022
4	VaibhavKavade,swapilGajare, Vishal Pardeshi,	Machine vision and image processing	International Journal of Scientific Research in Engineering and Management	Volume: 06 Issue: 11	November - 2022

		based defect detecting using raspberry pi	(IJSREM)		
HarshadaKawade					
5	Sharanya Rao, Neha Shinde, SaksiSawant	Study on the OCR of the Devanagari script using CNN	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 10 Issue IX	September 2022
6	Pranav Patil, Sura Magar, MrPrathamesh Lokhande	Rocker-boogie for military use	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 11	November - 2022
7	Ganesh Shinde, OnkarNamde, Amar Kamabe	Android mobile control smart pesticide spraying robot	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 12	December - 2022
8	JyotiBhosale, AishwaryaBandgar, VaishnaviSomase	Automatic solar tracker with MPPT charger and inverter	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 11	November - 2022
9	DigviayGhodake ,	A multifunctional	International Journal of Scientific Research	Volume: 06 Issue: 11	November - 2022

	Mr.Rushikesh More, OmkarSondkar, Omkarawale	robot for remote surveillance in military applications	in Engineering and Management (IJSREM)		
10	Samadhan Babar, Pranaali Babar, VidyaKamable	Quadcopter using Arduino	International Journal for science and advance research in technology (IJSART)	Volume 8 Issue 11	November 2022
11	AratiKachare, Dnyaneshwari Gite, Gauri Zagade	Automation of color object sorting conveyor belt	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 11	November - 2022

Industrial Training Attended:

Sr. No.	Name of Students	Name of Workshop/ seminar/conference attended	Date / Duration of Events	Nature of Activity
1	Yogesh VittalBhosale	Super Robotics System	1 Month 03/08/2022 to 03/09/2022	Industrial Training
2	NavnathKundalikDharme	Super Robotics System	1 Month 03/08/2022 to 03/09/2022	Industrial Training
3	Manasi Suresh Ingole	Super Robotics System	1 Month 03/08/2022 to 03/09/2022	Industrial Training
4	PavanGovindWakade	Super Robotics System	1 Month 03/08/2022 to 03/09/2022	Industrial Training
5	YogirajAnantraoHange	Super Robotics System	1 Month 03/08/2022 to 03/09/2022	Industrial Training
6	HarshadakisanBaravkar	Super Robotics System	1 Month 03/08/2022 to 03/09/2022	Industrial Training
7	KomalParshuramLakade	Super Robotics System	1 Month 03/08/2022 to	Industrial Training

			03/09/2022	
8	.Pratiksha Chetan Kamble	Super Robotics System	1 Month 03/08/2022 to 03/09/2022	Industrial Training
9	SachinNanasahebGund	Python and Deep learning	7 days	Industrial Training
10	Amar Sabale	Data analytic with python	10/102022 to 25/10//2022	Industrial Training
11	MrKedarVishwanath Swami	Technician Apprentice	1 year 1511/2021 to 14/11/2022	Industrial Training

Workshops, Seminars, conferences and Events Attended:-

Sr. No.	Name of Students	Name of Event	Date / Duration of Events	Organized By	Prize Details
1	KavikakePratiksha RuanawarRupali	Poster Presentation	13/08//2022 to 15//08/2022	BPCOE,Indapur	1st Prize
2	ManasiIngole	Poem Competition	13/08//2022 to 15//08/2022	BPCOE,Indapur	1st Prize
3	Pawar Gauri, Katkar Ganesh	Rangoli Competition	13/08//2022 to 15//08/2022	BPCOE,Indapur	1st Prize

Department Activities / Visits

Department Activities / Visits

Department Activities / Visits

Department Activity / Visit

Department Activity / Visit

FUTURE GOAL OF DEPARTMENT

- To establish PG course

- To establish research laboratories

- Strengthen the industry institute interaction for better placement and

overall development of students.

- To provide 100% Placements for Eligible Students

- To motivate the students for higher studies and competitive exams.