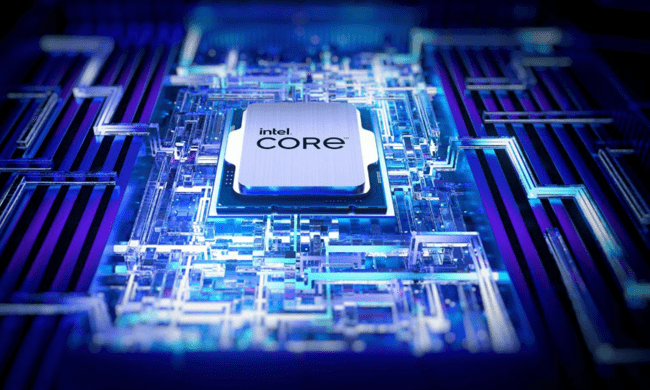


# ELECTRONIKA - ACADEMIC YEAR 2023-2024

****

***Department of Electronics and Telecommunication Engineering, Satara.***





***INSTITUTIONAL VISION, MISSION, CORE VALUES & PO’S***

### Our Vision

* *To be an institute of excellence, developing skilled engineers to serve the industry and society.*

### Our Mission

* *M1. To provide quality education through effective teaching learning process.*
* *M2. To develop professional skills and promote innovation among students by providing a conducive Atmosphere.*
* *M3. To inculcate ethical values, respect for the environment, and social responsibility.*

## Institute Core Values:

* *Professional Ethics*
* *Excellence*
* *Social Responsibility*
* *Accountability & Transparency*
* *Use of Technology*





***Program Outcomes (POs)***

***PO1. Engineering knowledge:****Apply the knowledge of mathematics, science,*

*engineering fundamentals, and an engineering specialization to the solution of complex*

*engineering problems.*

***PO2. Problem analysis:****Identify, formulate, review research literature, and analyse complex*

*engineering problems reaching substantiated conclusions using first principles of mathematics,*

*natural sciences, and engineering sciences.*

***PO3. Design/development of solutions:****Design solutions for complex engineering problems*

*and design system components or processes that meet the specified needs with appropriate*

*consideration for the public health and safety, and the cultural, societal, and environmental*

*considerations*

***PO4. Conduct investigations of complex problems:****Use research-based knowledge and*

*research methods including design of experiments, analysis and interpretation of data, and*

*synthesis of the information to provide valid conclusions*

***PO5. Modern tool usage:****Create, select, and apply appropriate techniques, resources,*

*and modern engineering and IT tools including prediction and modelling to complex engineering*

*activities with an understanding of the limitations.*

***PO6. The engineer and society:****Apply reasoning informed by the contextual knowledge*

*to assess societal, health, safety, legal and cultural issues and the consequent responsibilities*

*relevant to the professional engineering practice.*







***PO7. Environment and sustainability:****Understand the impact of the professional engineering*

*solutions in societal and environmental contexts, and demonstrate the knowledge of, and*

*need for sustainable development.*

***PO8. Ethics:*** *Apply ethical principles and commit to professional ethics and responsibilities*

*and norms of the engineering practice.*

***PO9. Individual and team work:****Function effectively as an individual, and as a member*

*or leader in diverse teams, and in multidisciplinary settings.*

***PO10. Communication:****Communicate effectively on complex engineering activities with the*

*engineering community and with society at large, such as, being able to comprehend and write*

*effective reports and design documentation, make effective presentations, and give and receive*

*clear instructions.*

***PO11. Project management and finance:****Demonstrate knowledge and understanding*

*of the engineering and management principles and apply these to one’s own work, as a member*

*and leader in a team, to manage projects and in multidisciplinary environments.*

***PO12. Life-long learning:****Recognize the need for, and have the preparation and ability to*

*engage in independent and life-long learning in the broadest context of technological change.*





 ***DEPARTMENTAL VISION, MISSION & PEO***

***Vision***

* *To be one of the leading electronics and telecommunication engineering department engage in quality education to solve industrial and social problems.*

***Mission***

*The department is committed to imbibe and empower its faculty and aspiring engineers with:*

* *M1: To enrich academic competency by imparting quality education.*
* *M2: To nurture skills among the students helping them succeed and progress in their personal and professional career.*
* *M3: To instil sensitivity towards society and respect for the environment.*

## Program Educational Objectives (PEOs)

* ***PEO1:****The graduates will be able to apply the basic concepts of mathematics, sciences, engineering to solve industrial and societal problems.*
* ***PEO2:****The graduates will be able to deal with complex real time problems by applying technical and soft skills.*
* ***PEO3:****The graduates will be able to develop awareness towards ethical, societal & environmental issues.*

## Program Specific Outcomes (PSOs)

* ***PSO1:****Students will be able to analyze and design the electronics and telecommunication systems by understanding and applying the fundamental knowledge.*
* ***PSO2:****Electronics and telecommunication students will be able to contribute to projects in the core and associated domain by using modern tools like PCB design, embedded programming, etc.*





### Kudos

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* ***Name:****Dr. Vishal Sharad Hingmire*
* ***Designation:****HOD, Associate Professor*
* ***Qualification:****Ph. D (Electronics Engg.)*
* ***Area of Expertise:****Wireless sensor Network*
* ***Experience:****12 years 6 months*
* ***Phone:****8482875175*
* ***Email ID:***[*vs.hingmire@gmail.com*](mailto:vs.hingmire@gmail.com)

#### Awarded Ph.D. to Mr. Vishal S. Hingmire on 15th May 2023 from Visvesvaraya Technological University.

#### Dr. Vishal Hingmire received Research grant of Rs. 3.00 lacs received from Funding under DBATU VC RPG 2023 for Project “Pyro-cycling: Electricity generation by plastic and dry garbage waste”

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### Kudos

* ** ***Name:****Dr. Gayatri Shashikant Mirajkar*
* ***Designation:****Professor*
* ***Qualification:****Ph. D (Electronics Engg.)*
* ***Area of Expertise:****Electronics, Digital signal processing*
* ***Experience:****16 years 2 months*
* ***Phone:****9860361553*
* ***Email ID:***[*gayatrimirajkar@gmail.com*](mailto:gayatrimirajkar@gmail.com)
* *Dr. Gayatri S. Mirajkar invited as speaker on Image Processing in Toxicology: A review in International Summit on Toxicology and Applied Pharmacology April 27-28, 2023 at Valencia, Spain.*
* *She also has been elected member of Board of Examinations DBATU Lonere 2023.*



### 

### Students’ Achievements

### 

### Tanvi Bidwai Gouri Kenjale

### MBA University of California Riverside NPTEL Online Certification

### In Introduction to Internet of Things

### Secured 65 %

### 

### 

### Vaishnavi Mahangade

### NPTEL Online Certification

### In Soft Skills Secured 58 %

### Pratiksha Channe

### Competition Name: Project Competition “Spectrum 2K22” at DACOE, Karad

### Date: 20 May 2022

### Secured First Place

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**Students’ Achievements**

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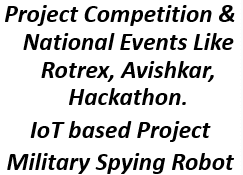


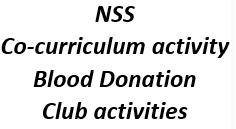
 

***Students’ Achievements***

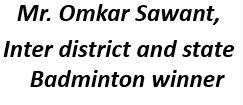








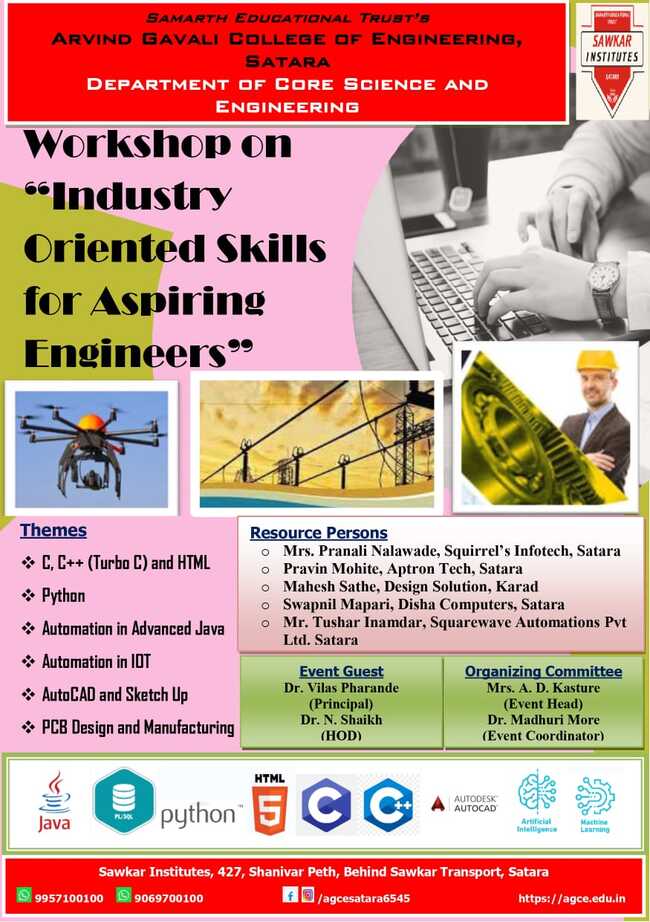








***Best Practices of The Department***

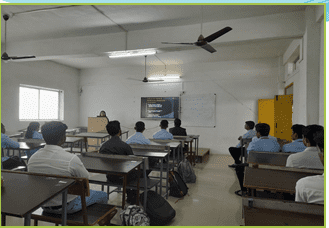
 

***Skill development through Hands on Workshop***

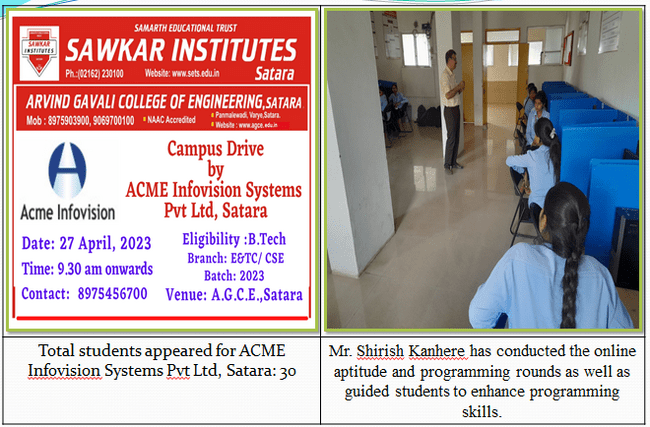




***PLACEMENT TALKS and CONNECTS:***

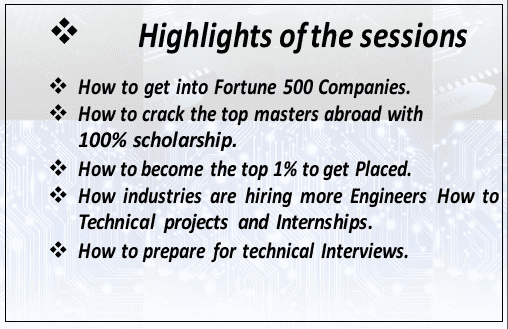
 





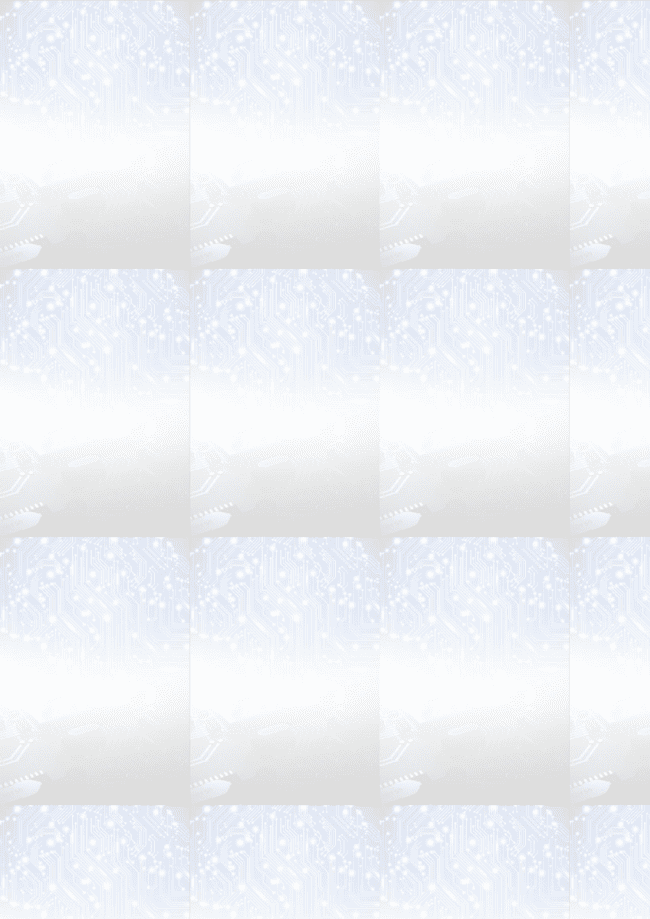
***PLACEMENT TALKS and CONNECTS:***



|  |  |  |
| --- | --- | --- |
| ***Company Name*** | ***Profile Detail*** | ***Package Detail*** |
| ***KPIT Technologies Ltd., Pune*** | ***Software Engineer*** | ***Rs. 9.450 Lakhs p.a*** |
| ***Infosys*** | ***Developer*** | ***Rs. 4 Lakhs p.a*** |
| ***Accenture*** | ***Process Engineer*** | ***Rs. 5.6Lakhs p.a.*** |
| ***TCS*** | ***System Engineer*** | ***Rs. 3.5 Lakhs p.a*** |
| ***TATA Communication Transformation Services Ltd. Pune*** | ***Associate Engineer*** | ***Rs. 2.8 Lakhs p.a*** |
| ***Team Leas*** | ***Network Design Optimization Engineer*** | ***Rs. 3.2 Lakhs p.a*** |
| ***PHILIPS*** | ***Trainee Engineer*** | ***Rs. 3.8 Lakhs p.a*** |





***Placements Activities:***















**Publications through Student Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| **Title of paper** | **Date** | **Level** | **Name of student** |
| **Gesture Recognition Based Virtual**  **Mouse And Keyboard** | **Jun -2023** | **Proceeding of International**  **Conference** | **Rutuja Kadam, Sanket Pawar, Vaishnavi Phalake, Rushikesh Kadam, Dr. Gayatri Mirajkar** |
| **Sign Language for Deaf and Mute People** | **Jun -2023** | **Proceeding of International**  **Conference** | **Sanjivani Ithape, Riddhi Karanjkar, Pooja Pawar, Akansha Nanavare, Dr.D. S. Shinde** |
| **Iot Based Dam Irrigation System** | **Jun -2023** | **Proceeding of International**  **Conference** | **Namita Shivathare, Priya Yadav, Payal Sabale, Mukata Pharande, Mr.D.B. Jagtap** |
| **Wireless Mobile Charger** | **Jun -2023** | **Proceeding of International**  **Conference** | **Gayatri Jadhav, Pooja Yadav, Pooja Pawar, Mrs. B.P. Pol** |
| **IoT Based Digital Notice Board** | **Jun -2023** | **Proceeding of International**  **Conference** | **Aarati Nikam, Kshitija Habale, Rutuja Jadhav, Suraj Pol, Ghadage S.N.** |





 ***Best Activity***



***Inauguration of ISTE Student Chapter Students from T.Y. B. Tech (E&TC) have visited***

***Wind power project of MEDA***

***Research and Development – Sponsored Research***



**Type of Sponsored Project: Combined Innovative Research Project**

**Project name : Semi-Automatic Approach for Tumour Segmentation**

**Principal Investigator : Dr. G S Mirajkar**

**Funding Agency : TEQIP 3 Office of DBATU, Lonere**

**Amount : 2.0 Lacks**



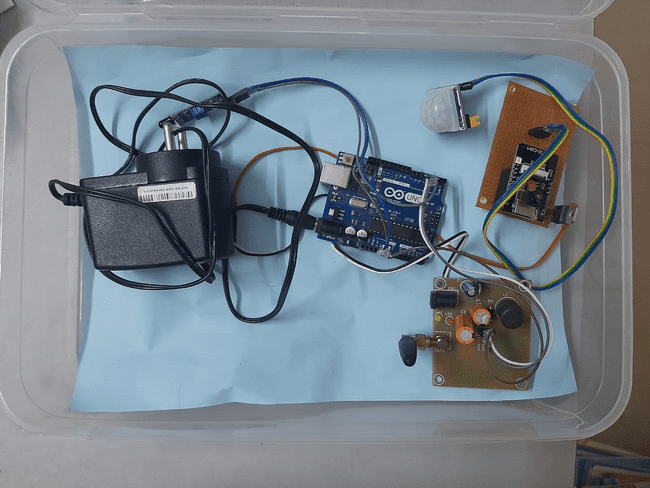


**Product Development**

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***Faculty Development Program***



***Faculty Development Programs (24/06/2023 Autofina Robotics)***

# Publications

***SCI-Indexed PUBLICATIONS***

