INSIGHT

DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE
(Formerly known as Electronics Department)

Vision of the Department:
To be recognized as a center of excellence in the field of Electronics Engineering where learners are nurtured in a scholarly environment to evolve into competent professionals to benefit society

Mission of the Department:
· Evolve a curriculum which emphasizes on strong engineering fundamentals with the flexibility to choose advanced courses of interest and gain exposure to tools and techniques in Electronics Engineering.
· Encourage a teaching-learning process in which highly competent faculty share a symbiotic association with the institutes of repute.
· Facilitate creation and dissemination of Electronics engineering knowledge through a digitally-enabled learning environment.
· Develop academic and infrastructural facilities with modern equipment and other learning resources and encourage reciprocal sharing with other institutes through networking.
· Establish a center of excellence to enhance academia – Electronics industry partnership and work on collaborative projects for benefit of society.

Programme Educational Objectives
PEO1. To enable the students to apply Electronics Engineering knowledge to design technically sound systems, adapt to new technologies through lifelong learning and excel in their career
PEO2. To inculcate research and development ability and enable the students to analyze real life problems in diverse domains to become entrepreneurs
PEO3. To make the students understand human, social, ethical and environmental context of their profession and contribute positively to the needs of individuals and society

Dr. Arun Chavan

HEAD OF DEPARTMENT, ELECTRONICS AND COMPUTER SCIENCE

Hi everyone,
Welcome you to the latest edition of our quarterly newsletter. As we continue our journey of innovation and academic excellence, I am proud to share some of the remarkable activities and achievements that have taken place within our department over the past few months.
Our dedicated faculty members have been actively engaged in cutting-edge research, resulting in several publications in prestigious journals and conferences and patent filing. Our students have also continued to excel, with their participation in various competitions and hackathons. We have strengthened our industry collaborations, providing students with valuable real-world experience, and fostering innovation through projects and internships.
In addition, our student chapters EESA & IEEE has been at the forefront of organizing insightful seminars, workshops, and webinars, inviting experts from both academia and industry to share their knowledge and insights. These events have not only enriched our academic environment but have also opened doors to exciting opportunities for our students.
As we move forward, our commitment to fostering a vibrant and inclusive learning community remains unwavering. We are excited about the promising contribution of our students on societal front through social internships and looking forward to continuing our journey with the same enthusiasm.
I encourage you to explore this newsletter and discover the inspiring stories, research breakthroughs, and achievements that showcase the dedication and passion of our department.
Good luck!

WHAT'S INSIDE

> " I think part of being an entrepreneur is to be slightly naive and over-optimistic about speed and impact." – Daniel Kjellén, CMO at StellarFi.

FINTECH Committee

Event on **Financial Management and Insurance** was conducted on 3rd Aug 2023.
Objectives:

- To increase awareness of finance management and Insurance amongst engineer students.

- To understand the concepts of Insurance and Financial Management using statistical graphs and analysis through the years.

- How to do financial management and importance of Insurance and types of Insurance.

Event on **Importance of Financial Management** was conducted on 13rd September 2023 for faculty
Objectives:

- To increase awareness of financial planning

- To understand the concepts of Insurance.

- Free training program on Python and IoT for 30 hours, Commencing from 7th Aug 2023(15 Days Onwards) | Time 6.00 PM – 8.00 PM | Weekdays.
- Free training program on ChatGPT and Generative AI for 15 hours, from 11th Sep 2023(8 Days Onwards) | Time 7.00 PM – 9.00 PM | Weekdays.

"Never settle for anything less than what you deserve. It's not pride, it's self-respect."— Chanakya, Indian teacher.

Student's Speak

Kedar Vaidya

(BE ETRX A)

Ladies and gentlemen, esteemed faculty members, and fellow readers,

I stand before you today, as Kedar Vaidya, to share some exciting article about our Vidyalankar College. Our college community has been thriving with remarkable achievements, initiatives, and events, and it's my privilege to bring you the latest highlights through our newsletter.

Firstly, I'd like to applaud our dedicated faculty for their unwavering commitment to academic excellence. Their guidance and support have continued to empower us to reach new heights in our educational journey.

In the all of our extracurricular activities, Vidyalankar College has helped us for developing skills like creativity and talent. Our student clubs and organizations have been hosting engaging events, workshops, and competitions, fostering an environment of holistic growth.

Furthermore, our college's commitment to community service remains strong. We've organized numerous external programs, contributing to the betterment of society and showcasing our commitment to social responsibility.

In the world of sports and athletics, our college athletes have been making us proud with their outstanding performances at various intercollegiate competitions. Their dedication and sportsmanship have truly energized the spirit of Vidyalankar.

Lastly, I would like to extend my gratitude to all the students who have been actively participating in these activities and making our college a vibrant and dynamic place to learn and grow.

As we move forward, let's continue to embrace these opportunities, support one another, and strive for excellence in all that we do. Together, we can make Vidyalankar College an even more remarkable institution.

Thank you for your attention, and I look forward to sharing more exciting articles with you in our upcoming newsletters.

Be Sure with Vidyalankar ✌️😊

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" I think the success of any school can be measured by the contribution the alumni make to our national life." ~ John F. Kennedy "

Know an Alumnus

Name: Siddhesh Mukane

BE Tenure: 2009-2013

"It's not the years in your life that count, It's the life in your years"- Abraham Lincoln

I am Siddhesh Mukane, was a normal student from a small town school and I was not used to urban environment. I came from a rural area to a big city like Mumbai with a big dream of my life. Basically, in school or secondary school life I was a brilliant student but undoubtedly my school smartness was realized only in the village school because this city of dreams is definitely an ocean of intelligence. I had no one to guide me from which college to pursue further education after 12th. At that time there was no internet facility in my village, so I went to a place in Thane district to fill the cap round form, while filling the cap round form in a cyber cafe, tears came to my eyes, because I did not know which college to fill the choice option. Meanwhile a stranger sitting on one side thought and told the name of a college "Vidyanagar Institute of Technology" and I decided to believe him. Further I took admission in VIT with many doubts in my mind. Even today I remember the first day of college, with very hard efforts I reached college with a lot of pressure in my mind, and from that moment my Engineering journey got started at VIT .

Just a couple of weeks after the college started, the college appointed 1 mentor for every 2 students, for students like me from rural areas. These mentors guide the course as well as many extra difficulties faced by the students that were apart from course. Due to this, the pressure on the mind gradually reduced. Even today I consider this initiative of VIT as a great boon in my life.

While studying in college, a colleague friend used to say that "If you want to pass in engineering course, there is no option without coaching outside the college."

Basically, as I was studying in a place like Mumbai facing many financial difficulties, the option of coaching class outside the college was not for me, whatever subject knowledge I got from the college lectures would be the final source of knowledge for me, I continued to study with a firm mind and I passed the engineering first year with first class. Completed all four years of engineering while maintaining the same first class. The credit for this goes solely to the lecturers of my college and the education methodology of the college. Completed all four years of engineering while maintaining the same first class. During this period, I often got the desire to be distinction pass and subject topper. There is no doubt that VIT has not given any sign of lack of self-confidence anywhere in life, in fact VIT has laid the foundations of self-confidence in life.

At that time, regardless of the stream of engineering, students used to try to get jobs in the I.T field, they aim to earn more salary from beginning of career. I still vividly remember that day when a professor explained to all the students why it is important for engineers in our country to pursue a career in the core field. As I am a student of core field of electronics engineering, decision was made to do it in the core field instead of in the I.T. field.

So far, I have done and am doing many small and big electronics control system-based projects. Today I am working as R&D technical lead in a reputed technology industry. I give credit to VIT and their lecturer, professor and all staff team for whatever success I have achieved in my field till date. I am extremely proud that VIT has been working to strengthen the dreams of countless students who started their careers from rural areas like me.
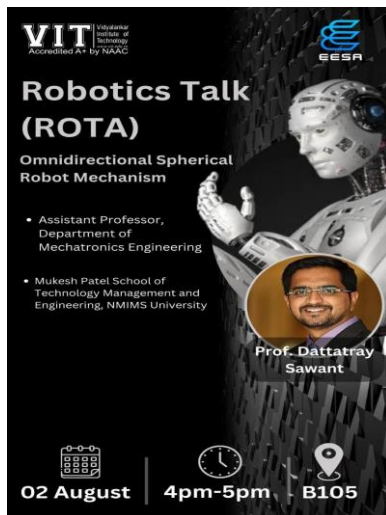
" Strive for perfection in everything you do. Take the best that exists and make it better. When it does not exist, design it- Sir Henry Royce

E E S A

Objectives:
- Test and challenge participants' problem-solving and technical skills.
- Foster learning about the latest advancements in technology, with a focus on robotics.
- Offer internship opportunities for students interested in pursuing a career in this field.
- Provide a platform for individuals to explore their potential and expand their knowledge in robotics.

The event was conducted
- To provide a platform to students to showcase their To make students aware of the opportunities in the robotics field
- To educate students about the various domains in the Robotics field.
- To make them familiar with career opportunities and area for innovation in Robotics and automation.

DEPARTMENT STAFF

Prof. Rajashree Soman
ASSISTANT PROFESSOR

Prof. Javed Patel
ASSISTANT PROFESSOR

EDUCATION QUALIFICATION:
ME(Biomedical Instrumentation)

WORKING EXPERIENCE
Teaching Experience: 8 Years
Research/Industrial Experience: 01 Years
Technical Papers Published: 01
AREA OF SPECIALIZATION:
Analytical Instrumentation
 MEMS Technology
Control Systems
Digital Electronics

EDUCATION QUALIFICATION:
M.E.(Electronics & Telecommunication)

WORKING EXPERIENCE

Teaching Experience: 23 Years
Industrial Experience : 06
AREA OF Basic Electrical Engineering SPECIALIZATION:

Basic Electrical Engineering
Control Systems
Power Electronics

"Science can amuse and fascinate us all, but it is engineering that changes the world."—Isaac Asimov

IEEE Events

CCC Events

"The Human Spirit must Prevail over Technology – Albert Einstein "

Department updates

FE induction program was successfully conducted on 18th August 2023.
Prof. Pravin Annadate, Dr.Arun Chavan and Dr.Sangeeta Joshi empowered students.
Mr.Yash Jungade,Mr.Karthik Bodhankar,Ms.Pragati Mali and Ms.Anushka Mukherjee,Alumnus guided the students about co curricular activities,projects,value added courses.

As a part of social internship, students with Prof. Rajashree Soman visited Tetavali village for Eco-trail activity

Dr. Sangeeta Joshi
*   BoG member appointment on SWERI college
*   MOC NAAC expert at SIES Nerul

Dr.Arun Chavan

*   Simplifying IPR and Patent Filing' on 1 July, 2023, organized by BVICAM, New Delhi
*   Future of Jobs 2023' on 8 July, 2023, organized by BVICAM, New Delhi
*   Evolutionary Trends in Automotive Industry' on 15 July, 2023, organized by BVICAM, New Delhi.
*   The Art of Writing Quality Research Papers - An IEEE Perspective' on 22 July, 2023, organized by BVICAM, New Delhi
*   6G Enabled Hyperconnected Future' on 29 July, 2023, organized by BVICAM, New Delhi.
*   Participated in 5 Days online International Faculty Development Program (FDP) on NLP and ChatGPT APPLICATIONS organized by SECAB Institute of Engineering & Technology in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 14th Aug to 19th Aug 2023.
*   MATTER - Future of Device Interoperability for the Smart World' on 23 September, 2023, organized by BVICAM, New Delhi.

Prof.Amaya Pethe

Secured first position for presenting poster on" Science behind Mysterious Jagannath Temple" as a part of National Engineers Day celebrated on September 15,2023

Prof. Akhil Masurkar
Patent has been published with final year project group including students Kartik Bodhankar, Raj Khetale, Shubham Dalvi, Yash Jungade

Prof .Anuradha Joshi
The MoU is entered on September 8, 2023 by Vidyalankar Institute of Technology (hereinafter called VIT) and Centre for Social and Behaviour Change Communication, also known as SBC3
is registered as a Sec 8 (nonprofit) Public Limited Company and specializes in developing and implementing intervention strategies based on SBC3 strategies that help governments, multi-lateral agencies, NGOs and corporates influence behaviour and achieve programme objectives. SBC3
is running successfully from many years and are reaching out in the community with an Internship Program with hopes of having talented students join in their mission to help serve the disadvantaged communities to create a sustainable community.

UPCOMING EVENTS

- IEEE Committee
  - IEEE Week (Flagship Event) in 1st Week of October 2023
- EESA Committee
  - FUN-TECH event.in 2nd week of October 2023
  - Hackatronics in 4th week October 2023.

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> " Life is an exam where syllabus is unkown and question paper are not set,not the model answer papers
> Sudha Murthy "

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Editorial Team

PROF. AMAYA PETHE

Chief Editor