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Department Initiatives

PROF. DR. ARUN CHAVAN

HEAD OF DEPARTMENT, ELECTRONIC ENGINEERING

Hi Everyone,

As we enter the final days of this semester, we celebrate our successes and experiences that have deepened our knowledge of the world, expanded our horizons, and allowed us to make connections with others who have challenged our assumptions and often provided support as we wrestle with deep questions. As part of an intellectual community with a long-standing commitment to public service, we have considered how, what we learnt in classrooms and laboratories around our campus can change the world.

The motto of our department is 'Nothing can we achieve without genuine efforts'. We feel each student in our department is our responsibility and all our students should excel in all the examinations they face in life. So to achieve this goal we have started with SDP-'Exploring the New Horizons-A pathway to Success'. This SDP will certainly help our students to face any examination confidently. Very soon this semester will come to an end and ESE will come knocking at your door steps. Now it is time to prepare yourself in advance for the upcoming ESE. I wish you a successful conclusion of the semester and best of luck for your end semester examination.

"Learning is never done without errors and defeat." – Vladimir Lenin



SDP: Exploring New Horizons: A pathway to success

As an Academic Enrichment committee initiative, the Department of Electronics Engineering organizes this certificate course with the objective of exploring new horizons for personal and professional development. The SDP is student centered and focuses on enrichment of knowledge on various facets of Technical and Holistic development



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Department of Electronics Engineering
(Academic Enrichment Committee)
In Association with

VIHANGAM
21st Dimension
Center of Holistic Development & Curriculum Enrichment
of
VIT
Vidyalankar Institute of Technology
Vellore
SDP of Holistic Education for Social Skills, Habits & Spiritual Development, Peace

Course Designer & Instructor
Prof. Dr. Mrs. Mangal Hemant Dhend

Announces

Student Development Program
Certificate Course
On
"Exploring New Horizons: A Pathway to Success"
(28th August to 16th October 2021)
Every Saturday (3 Hrs), Platform: MS Teams
Total Duration: 30 Hrs



Content

Technical

- Career Options and Opportunities for Electronics Engineers
- IoT Architecture
- Communication Bus and Protocols
- FPGA based System Design
- DSP based System Design
- Microprocessor/Controller based System Design
- FPGA based design for SoC
- Electronics Product Reliability

Holistic Development

- Priority Matrix for Time Management
- Negotiations skills in Business Communication
- Accelerated Learning Principles
- Developing Growth Mindset
- Elements of multidimensional personality for CV Building, getting campus placement, knowing industrial demands
- Finalizing prioritize areas of Individual Goals
- Goal Setting Process.
- Reinforcement of contents covered, monitoring and implementations by participants.
- Coaching Process
- Demonstrating coaching and reinforcements by groups
- Personal Action Planning
- Exercise on PAP for individual any one set goal
- Manifesting Process

Prominent Speakers

- Dr. Mangal Dhend - Founder & Secretary (Non- Profit-NGO):Vihangam Techno Holistic Organization
- Mr. Renjith C V - Electrical Architect/Product Designer at Philips India LTD Pune
- Mr. Abhay Valsangkar - An Author & founder of Alter Ego Learning - A Learning & Development Organization
- Mr. Vivek Koshti - Manger, Instrument and Control, Zeeco Engineering India
- Mr. Anantha P Iyer - Head of Academics – Theia

Student's Speak

Priti Harijan

BE-ETRX-B



Hello Everyone,

Myself Priti Harijan, proud to be a student of Vidyalankar Institute of technology. First of all I would like to thank my Batch mates and awesome faculty members for such an Excellent and fulfilling experience with this college. Vidyalankar is a perfect combination of Learning and fun. At Vidyalankar a good relation is maintained between teachers and students .College faculties provides quality education to students. My education as well as personality has improved a lot at Vidyalankar. From college staff, professors, infrastructure, placements to extra-curricular activities everything is just perfect and satisfactory.

As a student of electronic engineering, I have always been around circuits and chips. During my course I came across many different subjects but what attracts me most was Networking & Telecommunication , at Vidyalankar I was blessed to get extremely experienced professors in this field & It encouraged me to undertake my final year project in WCOM(wireless communication) under the guidance of Dr. Sheetal Mapare .

. The department provides an excellent infrastructure with excellent laboratories and the latest software that enhance studying quality. In spite of pandemic there was no change in teaching quality and management. Faculties of the electronics department made us familiar with different software's so that there is no loss of practical knowledge in the pandemic time.

They offered many Internship opportunities for the students, which can solve the real life problems Introduced various courses like MOOC (massive open online course), COURSERA & MATLAB courses so that along with academics we can acquire practical knowledge as well

Every Course had a problem based learning (PBL) activities that helped us to develop technological mind-set and provide practical solutions. Separate mentors are allocated to different batches who organizes meetings time to time and guide us throughout the course for Academics, career and for our mental health. The department had organized a student development program (SDP) wherein we were introduced to renowned Industrialists and personalities for giving us the glimpse of the industrial world. Guest lectures are organized for skill development. The department has committee's like IEEE, IESA where we can participate &improve our skills. All the faculty members and technical staff are always punctual with their work and motivated &supported us through all the situations whether it is academics or any extra- curricular activity.

So at last I want to say "I am sure with the Electronic department of Vidyalankar institute of technology".

Know an Alumnus

Karan Raman Agrawal(2016-2020)

Hello readers,

I am Karan Raman Agrawal - I graduated from Vidyalankar Institute of Technology from the Electronics Engineering Department in October 2020. First of all, I take this opportunity to thank the Department of Electronics Engineering for allowing me to present myself in front of you all. Doing Engineering was never my ambition - it was a trade-off, a risk which I took. I still remember the very first day of college - anxious, introverted, and eyes filled with dreams - the very moment I stepped into this institute it had a huge impact on me, and slowly things started getting to the place. The four years which I spent at Vidyalankar around an amazing bunch of people changed me whole as a person - the way I used to see the world, the way I used to tackle a problem. My only message to all the readers is to utilize these four years to not survive through 4 subjects per semester but learn the basics of life, the value of time and money, build a professional network and step out of your comfort zone.

As I said - doing Engineering was never my ambition, I had to choose this career against my interest but, slowly and steadily I developed a profound interest in programming. We had SPA subject in our second semester i.e Programming in C. While taking the course, I started solving basic programming questions.



As we use to code in C language in the class, I used to implement the same in Java and C++ after going home as I developed an interest in implementing the same algorithm in different languages. Soon I started with Python and my journey into Data Science began. I was also part of the IEEE - VIT committee at the Electronics Engineering branch. The journey of IEEE-VIT is a completely different story but all I can say is - it gave me the confidence and personality which I have today.

The department always supported me with my ambitions and made all the resources available - with technical papers, well-equipped labs, etc. Professors at the Electronics Engineering department were just an email away and we're always ready for help throughout the course.



If necessity is mother of invention scientifically developed production is the mother of scientific research
-Arther Edwin Kennely



EESA

"Brevity is Pivotal to Clarity"
EESA VIT PRESENTS
ELECTROVISION
Your Gateway to Technical Papers!
'Webinar on how to effectively find technical papers and resources online'

Dr. Sheetal Mapare
Associate Professor, VIT

Date and Time: 6 August 2021
5.30pm onwards
Meet us on: MS Teams

For further details, visit our website:
<https://eesaofficialvit.wixsite.com/eesa>

eesa.vit
 EESA VIT
 eesaofficial.vit@gmail.com
 EESA VIT

Niharika Parab-9004008535 Prathamesh Satam-7700034746

The students were informed about the key points of a technical paper and how it should be presented. The speaker also discussed about the types of technical papers, the common mistakes a student makes during writing a technical paper and how we can effectively search for technical papers online through various websites. The students were neatly explained about the importance of technical papers for projects and higher studies through the webinar.

DEPARTMENT STAFF

Dr. SANGEETA JOSHI
PROFESSOR

TECHNICAL ADVISOR
DIRECTOR, INTERNAL QUALITY ASSURANCE CELL
SENIOR MEMBER IEEE
LIFE MEMBER ISTE
FELLOW IETE



EDUCATION QUALIFICATION:
Phd In Microelectronics, IIT Bombay 2001
WORKING EXPERIENCE:
TEACHING : 31 YEARS
RESEARCH AT IIT BOMBAY: 03 YEARS
ADMINISTRATIVE AND MANAGERIAL : 20 YEARS
TECHNICAL PAPERS PUBLISHED: 110
DOCTORAL STUDENTS GUIDED: 05
MASTERS' STUDENTS GUIDED: 17
AREA OF SPECIALIZATION:
DATABASE
VLSI TECHNOLOGY
NANO TECHNOLOGY
EMBEDDED SYSTEMS

PROF. AKHIL MASURKAR
ASSISTANT PROFESSOR

LIFE MEMBER INDIAN SOCIETY FOR
REMOTE SENSING
LIFE MEMBER, ISTE



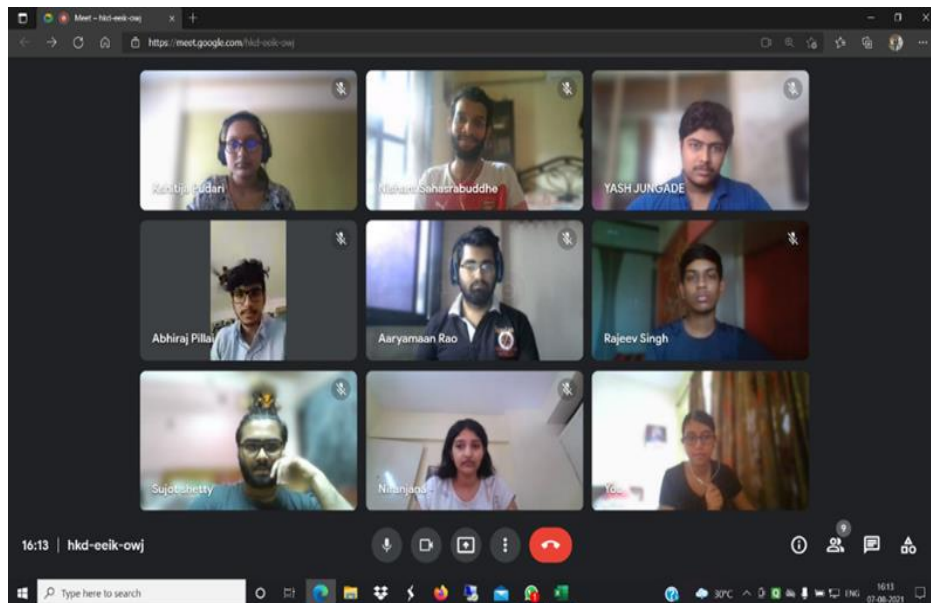
EDUCATION QUALIFICATION:
PURSUING PHD
WORKING EXPERIENCE:
12 YEARS
AREA OF SPECIALIZATION:
ANALOG ELECTRONICS
DIGITAL ELECTRONICS
VLSI TECHNOLOGY

“ Science is beautiful gift to humanity, we should not distort it
--A.P.J.Abdul Kalam ”



Interviews for core committee was conducted on Date: 7th, 8th and 9th of August, 2021. Time: 5:30 PM onwards. Platform: MS Teams

Interviews for IEEE Workforce 2021-22 was conducted on Date: 27th, 28th and 29th of August, 2021. Time: 5:30 PM onwards. Platform: MS Teams



Department updates

The Department of Electronics Engineering taken initiative to form Academic Enrichment committee, Tie up with Fintech club and Coding Club.

Dr.Sangeeta Joshi was invited to conduct two sessions in Short Term Course “Outcome Based Education for Teacher Effectiveness” conducted by UGC Human Resource Development Centre, University of Mumbai on 31st Aug , 2021.

Dr.Nayana Mahajan published the paper titled "Facial Recognition System Using LBPH Algorithm and Raspberry Pi" in “International Research Journal of Engineering and Technology (IRJET), Volume 8 Issue 6, June 2021.

Prof.Girish Gidaye was appointed as a reviewer for the international journal Computers in Biology and Medicine

Dr. Arun Chavan, Prof.Pranita Padhye ,Prof. Amaya Pethe, Dr.Nayana Mahajan and Prof. Nisy Mathew successfully completed AICTE Sponsored One Week Online Short Term Training Program on “Telecommunication Networks Phase-III” from 13 th September to 18 th September, 2021.

Dr. Arun Chavan attended the workshop conducted by AICTE ATAL Academy, ST Microelectronics and ARM Education from 25th to 27th August 2021.

All faculty members have registered for NDLI and attended the orientation on of NDLI on 3rd July 2021

“ When you are building a startup, it’s difficult. Particularly, a startup that is expanding at the rate of Tinder. You have to give 100%, and you have to be committed. Solving the problem has to be personal or else you’re going to disintegrate.” -Sean Rad, Co-founder of Tinder, Inc.

Tie up with “Uday-Fintech Education Platform by Government of Maharashtra”



Fintech startups are leading the new edge Indian economy, It is one of the thrust areas for engineering and management students. Maharashtra Information Technology Corporation Ltd , a venture of Government of Maharashtra , have recently launched Fintech Education Platform "Uday" for bringing awareness about Fintech among the faculty and students.

Virtual Industrial Visit

IQAC initiative

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Vidyalankar Institute of Technology's Department of Electronics Engineering

Presents
"Synergy"- an Industry-Academia Virtual Connect Program

Second Virtual Industry visit
"Advances in Home Automation"

About NUOS Home Automation

NUOS is a brand with a passion to create IoT products that offer solutions that are beyond smart. Products that think for themselves. NUOS is an offering born out of that drive. NUOS holistic home and office automation solutions are thoughtful and intuitive.

NUOS products are high tech and affordable. And are created right here in India, right from ideation to production. They are a realization of the dream to make a cutting-edge product that is within the reach of everyone.

Mr. Neil Savant
Founder & CEO
NUOS Home Automation - brand by Falcon Control Systems & Automation Pvt. Ltd.

Government Registered Start-up under DIPP's Start-up India Policy
Website: www.nuos.in
Mobile: 919519260401
Email: neil.savant@nuos.in

Wednesday, 8th September, 2021
3:30 to 4:30 pm

Event Platform MS Teams

Link to Join: <https://tinyurl.com/yfn9b53z>

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Vidyalankar Institute of Technology's Department of Electronics Engineering

Presents
"Synergy"- an Industry-Academia Virtual Connect Program

Second Webinar On
"Role of Electronics Engineers in Manufacturing Industries"

About The Speaker

Mr. Ananthanarayanan Iyer is an Instrumentation Engineer with more than 25 years of experience in Maintenance & Project Management in Petroleum, Petrochemicals and Infocom sector. Worked with MNCs like Reliance Industries, Qatar Petroleum, Accenture, e-Vision Industries in various global leadership roles. Certified ZED Master Trainer and Consultant. Passionate Trainer, Coach and Toastmaster - currently Head of Academics at Theia New Consultancy. Coaching MSMEs in the areas of Operational and Manufacturing Excellence as free lance consultant.

Ananthanarayanan Iyer
Head of Academics
at
Theia New Consultancy

Wednesday, 18th August, 2021
3:30 to 4:30 pm

Event Platform MS Teams

Link to Join: <https://tinyurl.com/4jn5xvfb>

Coding Club Event

VIT Vidyalankar Institute of Technology
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"In order to be irreplaceable, one must always be different." -Coco Chanel

THE CODING CREW
PRESENTS
HACKSLASH

A platform where all the smart minds can display their coding skills!

25 September 5 pm onwards

Discord

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"The Coding Crew" is a coding club for ETRX department with the motivation given by our HOD Dr. Arun Chavan sir. This is the club having same interest of coding to help all Electronics engineers get a good hold of their coding skills.

The primary goal of this club is to develop interest for coding among the core branch students by conducting events related to coding and software.

To provide a platform for the core branch students who have relevant interests in coding.

The Club is student driven with Convenor Prof. Sheetal Patil and Prof. Javed Patel.

The Team leader is Mr. Kartik Bodhankar.

UPCOMING EVENTS

- WELLNESS PROGRAM FOR SE,TE,BE in month of October
- ESSA: A technical program “ELECTROSTEER” on 18th October 2021
- IEEE – VIT has arranged a technical talk on ““The Complete Path of Becoming a Data Scientist” by Mr. Krish Naik on 3rd October 2021. The event will cover insights and pathways to become a Data Scientist. It will focus on pre-requisites required to achieve a job as Data Scientists.

“Historically pandemics have forced humans to break with the past and imagine their world a new. This one is no different. It is a portal, a gateway between one world and the next.”

-Arundhati Roy

THE
EDITORIAL TEAM

PROF. AMAYA PETHE

Chief Editor