



Vidya Vikas Education Trust's

Universal College of Engineering

(Accredited with "B+" grade by NAAC)

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coffee & CODE;

an initiative by **Department of Computer Engineering**

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Computer Department's Vision

To be recognized globally, as a department which provides quality technical education that eventually caters to helping and serving the community.

Computer Department's Mission

- 1) To develop human resources with sound knowledge in theory and practical of computer science and engineering.
- 2) To motivate the students to solve real world problems to help the society grow.
- 3) To provide a learning ambience to enhance innovations, team spirit and leadership qualities for students.



Late Mr. Manohar Parrikar

IIT B Grad
Former CM of Goa
Former Union Defense Minister

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*...We must have Zero Tolerance
towards error...*



The concept of “Teaching Assistants (T.A)” is an innovative way to encourage students for teaching and induce confidence in them. TA’s work under a teacher’s supervision to give students additional knowledge and instruction about technical subjects crucial for students, career.

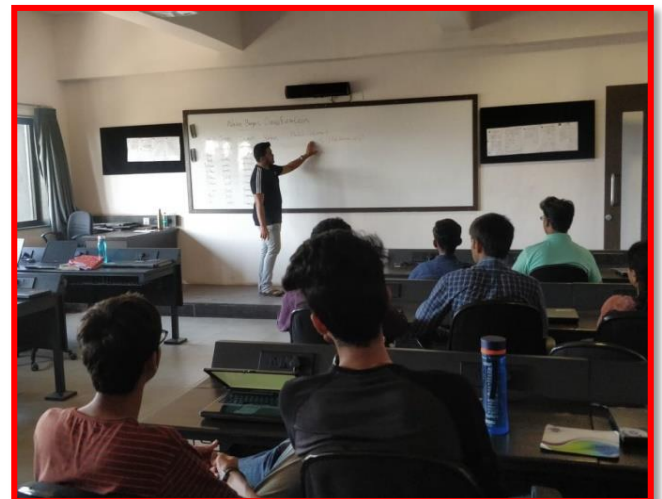


Teaching Assistants typically do the following:

- Reinforce lessons presented by teachers, reviewing material with students one-on-one or in small groups, help teachers with recordkeeping.
- Ms. Rucha Pathari under Computer department conducted teaching assistant activity about the subject **Object Oriented Programming (OOP)**.
- Mr. Nikunj Patel , student of final year conducted the lecture on topics called method overloading and method overriding in real world programming, heap and stack in java.

Mr Sridhar Iyer had conducted 3 sessions of TA:

1. “**Naive Bayes Classification Technique**” and “**Google Page Ranking Algorithm**” both were conducted by Mr. Varun Nair.
2. “**Python for everyday life**” by Mr. Sushil Kalsekar



Add-on Courses



Universal College of Engineering offers value added courses to the students that facilitate students to keep pace with trending technologies in the industry. We have connected with various organizations that will help students to get trained and improve their employability skills.

Objective:-The objective of value added courses is development of students on the various aspects that are required for career building and exploring new opportunities.

Various Courses Offered:-

Ethical Hacking and Cyber Security
Digital Marketing in association with Google
IBM Analytics in association with IBM.
Data Science and Big Data Analytics
Artificial Intelligence

UG Fellowship

This Year many of our Computer Engineering students are interested in doing UG fellowship which is offered by Vishwaniketan's Institute of Management Entrepreneurship & Engineering Technology, which is approved by All India Council for Technical Education (AICTE), New Delhi, HRD Ministry, and Government of India and also affiliated to Mumbai University. These fellowships have been proved to be an excellent opportunity for overall development, exposure to different cultures, technical and life skill development.

How to Apply ?

Interested students may visit the relevant websites and contact the nodal officer of the concerned authorities for any query. Willing students should see all details on the website (i.e. Application process, Selection method, time schedule etc.) and follow the process very particularly. They may register on www.vishwaniketan.edu.in to participate in this program.

Workshop conducted on 'prolog'



Conducted on-15th March, 2019.

Venue-lab 417

Time-11am – 1pm

Target audience-Students and Staff

CSI student's chapter of Universal College of Engineering organized Prolog seminar which was conducted on 15th March, 2019. 41 students attended this seminar that was conducted in the room no 417.

This seminar was conducted by Mrs. Vishakha Shelke. Prolog is a logic programming language associated with artificial intelligence and computational linguistics. Some applications of Prologue: intelligent data base, retrieval, natural language, understanding, expert systems, specification, language, machine learning, robot planning, automated reasoning, problem solving.

Workshop on 'responsive website'

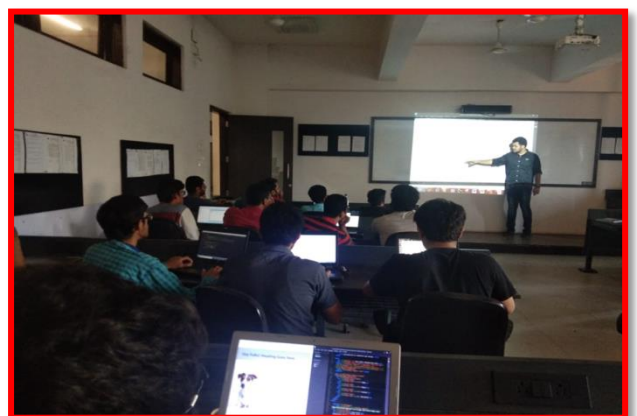
Conducted on- 20th March, 2019.

Venue-lab 517

Time-11am – 1pm

Target audience-Students and Staff

CSI student's chapter of Universal College of Engineering organized Responsive Website Designing seminar which was conducted on 15th March, 2019. About 15 students attended this seminar that was conducted in the room no 517.



This seminar was conducted by Mr. Ashutosh Mishra and Mr. Archit Nangalia. Responsive web design (RWD) is an approach to web design that makes web pages render well on a variety of devices and window or screen sizes. Recent work also considers the viewer proximity as part of the viewing context as an extension for RWD. Content, design and performance are necessary across all devices to ensure usability and satisfaction.

Seminar conducted on 'D-Link Academy Campus Connect Program-An Advantage of D-Link Global Certification to Student's Career'

Conducted on- 19/03/2019

Venue- UCOE seminar hall

Time -11:30am to 1pm

Target audience-Second year and Third year IT and COMPUTER engineering students



A seminar on 'D-Link Academy Campus Connect Program -An Advantage of D-Link Global Certification to Student's Career' was arranged by Mrs. Kanchan Dabre mam at universal College of Engineering. D-link academy community delivered a seminar on Workshop for Students with DTE Maharashtra on topic-Advantage of D-Link Global Certification to student's Career. The seminar saw more than 60 attendees from second year and third year along with senior faculties Mrs. Kanchan Dabre and Mrs. Snehal Modi followed with a Q & A session at the end of the session.

The program is based on concept of PBL-Project Based learning which is demand for today's education system to match world standard. The Centre of Excellence Lab will address the Project Based Learning Program followed by global certification to increase the employability Index. D-Link Academy delivers a comprehensive, **21st century learning** experience to help students develop the foundational ICT skills needed to design, build, and manage networks, along with career skills such as problem solving, collaboration, and critical thinking. Also the academy wish to work closely being DTE-Maharashtra as an Industry Partner to make UCOE campus a **Digital Premises for better skill learning platform.**



TA activity Session conducted on 'unity 3D'

Conducted on- 12 to 29 march

Venue- SE A and B division

Time -12:45pm to 2:45pm

Target audience-Second year computer engineering students

A TA activity session on 'unity 3D' was being conducted by a student of BE comps Mr. Jeet Patel who is a teaching assistant for Dr. Ekta Upadhyay. The session was aimed for the second year computer engineering students both A and B division. The session successfully formed a base foundation of 'game development using unity 3D' for all the students. Two sessions were being conducted on unity 3D for second year students.

Unity 3D is a commercially available multiplatform game engine used for the production of 2D and 3D video games as well as non-game interactive simulations and visualization. The first session covered all the basics of unity 3D and brief explanation about the editor interface by developing a working model of solar system simulation for both division A and B in their respective classrooms. The second session was hands on interactive session where the students learned and developed a mini game called Roller Madness and also the session covered more important topics in game development. It was a very good learning experience where students have gained basic knowledge of unity 3D and can extend their understanding in variety of ways.

TA activity session conducted on 'oracle java certification'

Conducted on- 20th and 25th March, 2019.

Venue-Respective classrooms

Time-11am-12am

Target audience-Third year Computer Engineering Students

A TA activity session on 'oracle java certification OCPJP' was being conducted by students of BE comps, Ms. Jill Kakadiya and Ms. Palak Barot under guidance of Mrs. Hezal Lopes. The session was conducted for third year computer engineering students for both A and B division. The session successfully covered all the important aspects and benefits of certification, necessary requirements and procedures needed to be oracle certified java programmer.

Java is the most accepted programming language used to create web applications and platforms. The oracle java certification remains to play an influential role in the development of java technology. The oracle java certification exams aim to measure student's understanding and skills on proposed jobs in the java industry. This session was definitely a boon for students who want to achieve a better future job opportunities as a java developer and also gain in depth knowledge of java language.



Student Achievements

Smart India Hackathon (SIH) 2019 is a nationwide initiative to provide students a platform to solve some of real life problems. Smart india hackathon 2019, or SIH, a World's Largest Hackathon, in which more than 10k teams participate to solve various social, political, medical, scientific, and technological issues of the nation India. It had too much of innovation in a single event.

Smart India Hackathon Winners

TEAM:- Cryptic Coders



Team Members:- Ayush Ladha, Jinal Darji, Neha Singh, Bharat Nisar, Kush Vaishnani, Akhil Thakkar

Faculty Name:- Mr. Aniket Kore

Nodal Center:- COEP, Pune

Problem Statement Proposed for:- Harman India, Voice Based Medical Assistant for Rural India.

The medical assistant focused primarily on women and children health issues in rural India and could be accessed in local languages like Hindi, Marathi, etc.

TEAM:- True Coders

Team Members:- Akash Bhimani, Drishti Goda, Sainath Chilkuri, Shruti Suvarna, Santoshi Bisht, Urmila Patel

Faculty Name:-Mrs. Dhvani Barot

Nodal Center:-Nagpur



As a mentor of UCOE team named "Truecoders", I can say that I had an amazing and unforgettable experience at the place. We were selected under the Ministry of Travel & Tourism and our center was Sree Buddha College of Engineering, Kerala. 36 hours of coding, 3 sessions of judgement and discussion with experts was really worth experiencing. That whole experience not only of 36 hours but will for several months will always be cherished.

TEAM:- Coding Champs

Team Members:- Jisha Chirayath, Yash Agrawal, Ayush Shetty, Mahesh Mistry , Vipul Bhoir , Mohd Tanveer

Faculty Name:-Apurva Chaudhari

Nodal Center:-Kerala

As a mentor of UCOE team named 'coding champs' I explored some cutting edge technologies related with sensors and machine learning concepts as well as IOT based systems. There was 28 teams working on different project definitions based on problems shared by different government organizations and industrial giants. The proceeding of SIH was 36 hours long. I enjoyed this coding experience of SIH.



Alumni Meet

Conducted on- 16 march,2019

Venue- UCOE seminar hall

Time -9:30-12:30

Target audience-BE students

Universal College of Engineering has organized the alumni meet on Saturday in UCOE seminar hall. The alumni meet is conducted every year in order to reconnect with alumni and celebrate their success and various achievements.15 alumni of UCoE were welcomed with great joy and pleasure.

All the Final year BE students attended the alumni meet which was conducted at seminar hall. There was an open interaction between alumni and BE students about career related topics. They discussed about placements interview, skill developments, higher education, startups, coporate jobs etc. Alumni's also educated the present students about several professional add on industrial courses in which they can pursue their career job and improve their future prospects. All the alumni shared their experience about their career life after graduation. An Alumni meet benefitted the present students to successfully plan their future and ideas, views and opinions where shared easily. The meet ended with a casual interaction with their friends, classmates and college faculties. Indeed, it was a memorable alumni meet and talk about the future!!



Industrial Visit



Universal College of Engineering had organized industrial visit at CMS Classic Marble Company and Alok Textile Solutions at Silvasa on 22nd and 23rd March 2019. 149 students of all branches from second year to final year with 6 faculty members participated in this visit. On First day 22nd March Students visited CMC Classic Marble Company. This company is a pioneering ideology in India's largest and foremost importer in the architectural world of stones. During this visit students got to know various types of stones and processing required generating final finished product. Expert Stonologists were appointed to explain students characteristic of each stone and in detail process of giving professional touch to stones producing world class quality product. Company had also allowed students to visit the marble showroom.



On the second day 23rd March we visited Alok innovative Textile solution. They are India's largest fully integrated textile company with a dominant presence in the Cotton and Polyester segments. They have focused on best-in-class technology, uncompromising quality standards and dynamic product innovation. Hence our students understood the entire process of raw cotton to different quality thread such as cotton, nylon, and polyester etc yarn generation. The yarn designed by this company goes for further processing such as dyeing, weaving and printing in small scale industries. Experts have explained in detail machine parts and their functioning. Students got benefitted to shop products designed by Alok textile industries.



On 13th of March 2019, the students of TE Computer department visited SAY iTech Pvt. Ltd. It is a start-up with more than 150 clients. They have designed major software projects from different companies and have provided software solutions for the same. The company designs websites, web apps, android and iOS applications on order.

Knowledge gained:

Beside the working of the company they also gave us a walkthrough and an overview about

"What next after Engineering?"

"Which all jobs to pick?"

"What the current market needs?"

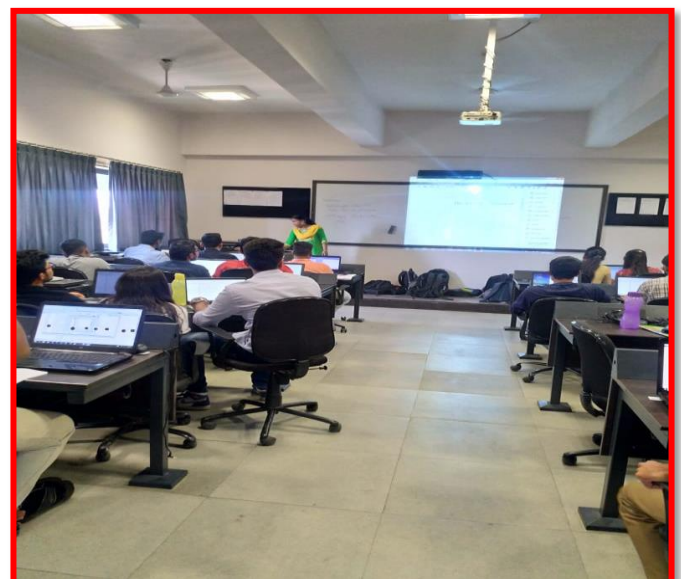
"What is freelancing?"

"What are the risks involved in Entrepreneurship?"



LaTeX workshop was conducted on 20th March, 2019 by Vishakha Shelke for BE Computer from 9. LaTeX is a high quality typesetting system which includes features designed for the preparation of technical and scientific documentation. BE Project thesis can be effectively designed using LaTeX. So a hands-on session on the topics required for thesis writing is taken in this workshop with the help of software WinEdit and MikTeX packages.

The topics covered include Typesetting technical reports, books, Control over large documents containing sectioning, table of contents, cross-references, inserting and positioning tables and figures, Typesetting of complex mathematical formulas, Automatic generation of bibliographies and indexes, Writing algorithm, formatting header footer, page numbering and paragraph formatting. Total 46 students attended the workshop including faculty Mr. Sridhar Iyer and Mr. Yuvraj Chavda.



Date: March 10th, Saturday

Venue: Universal college of Engineering, Kaman

On 10th of March, 2019, the Parents Teachers Interaction (PTI) was organized in Universal College of Engineering.

More than 100 parents registered their presence giving their precious time for the cause.

It was a great initiative taken by the H.O.D. of Computer Department Dr. Ekta Upadhyay, which helped in maintaining a transparent relationship between teachers and parents about the future engineers. The motive was generating awareness among the parents about the importance of daily attendance of students & guidance for improving their skills'.

The PTI also appreciated the academic success of students in their previous semesters. Disha Gavand from SE comps & Santoshi Bisht from TE comps secured 10 pointers in the previous semester.





A four-time chief minister of the state, Parrikar, a former Defense Minister who had been battling pancreatic cancer for over a year, never deterred him from staying true to his work. He was the biggest asset the BJP had. He was the party's poster boy. He was its low command and high command in the state.

A master strategist, who could anticipate others' moves, and a man of his own invention, Manohar Parrikar's charisma couldn't be matched by anyone. You could love him or hate him, but you couldn't ignore him.

Whether he was in government or out of it, Parrikar was synonymous with the BJP in Goa. As he took those giant steps, so did the party: From a mere 4,000 members in 1989, the year when Parrikar plunged into full-time politics, the party has grown to 4.2 lakh members—almost a third of the state's population.

Manohar Parrikar was the original Aam Aadmi who rose to become chief minister. His identity in politics, at least for those beyond the state's borders, was firmly established as a man who wore half-sleeved shirts for any occasion.

Not many know that besides being CM of Goa four times, Manohar Parrikar was an entrepreneur too. Decades before Parrikar rose to national limelight as an astute politician and a close aide of PM Narendra Modi, he worked in his father's store in Mapusa, where the seeds of his entrepreneurial journey were sown.

Parrikar was a metallurgist by training, with a BTech in metallurgical engineering from IIT-Bombay in 1978, and owned two nondescript hydraulic engineering units, employing over 20 people.

Manohar Parrikar's promotion to the top-tier of national politics shouldn't have surprised anyone. The Goa chief minister had proved he could deliver, and more importantly, had a big reputation for integrity. So, when Prime Minister Narendra Modi was on the lookout for a man to head India's Defense ministry, the search started and ended with Goa's Mr. Efficient.

Parrikar, after all, seemed a perfect fit for the Defense ministry. He ensured there was little scope for scams and scandals in the sensitive ministry, and although he did take some time to learn the ropes, he left an imprint.

He had been battling pancreatic cancer for over a year, died at his private residence in Goa. The void he has left behind will be difficult for the BJP to fill.