



NH *Bytes*

A MONTHLY PUBLICATION BY
NEW HORIZONITES

APRIL 2021



INDUSTRY INSTITUTE INTERACTION

An Industry institute interaction session with Dynafusion was organized at the department. Specialized in engineering tools for developing and testing mechatronic control systems, DynaFusion is the most preferred development partner in the automotive industry, aerospace and industrial automation. The speaker Mr. Parvathraj Patil, Technical Member discussed in detail about Controller Development procedure , Rapid Control Prototyping, Microlabbox Feature, application & Use case, dSPACE's flexible hardware systems



TRI-TECH-CUP – TECHNICAL QUIZ EVENT



The event “Tri-Tech-Cup” was conducted on 6th April, 2021. It had 3 rounds Round one was about “General Tech Quiz” ranging from code, personalities, logos and much more. Round two was about Code Debugging, predict the Output, fill the missing code. Round three was Quiz based on advanced and emerging technologies. All the rounds were conducted online on Quizizz platform.

The session started off with a brief introduction about the event and rules for all the rounds. Then we provided them the code to start their quiz. There were 47 participants for the first round, out of which we have shortlisted top 25 people for the second round. Out of 25 people we have shortlisted 15 people for the third round. Among 15 people we have announced 3 winners.

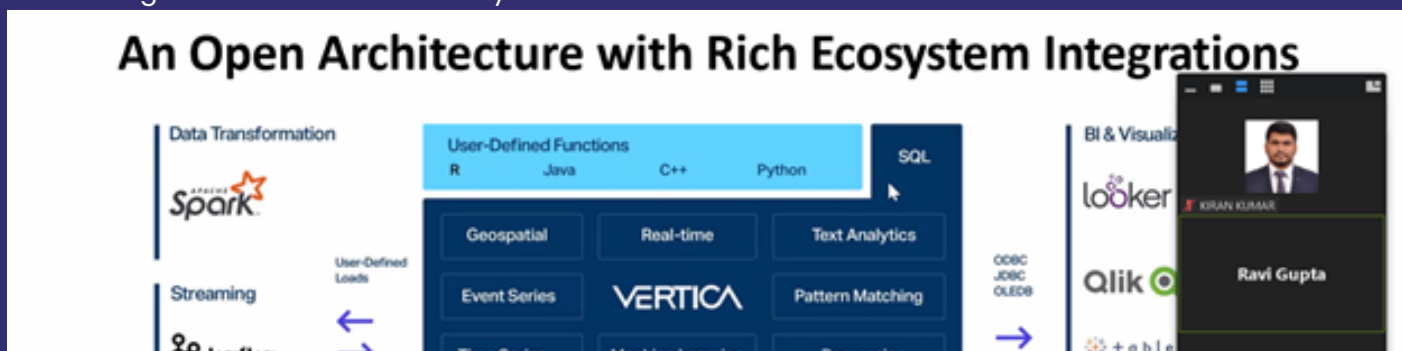
The event was well organized, interactive and all the participants really enjoyed their time and took away some key tips on how advanced technologies are changing.

INTERNATIONAL WEBINAR

The Department of Computer Science and Engineering organized an International webinar on “ Machine Learning in Vertica using Python and SQL ” under HP Centre of Excellence for the 6th sem CSE students. Resource person was Mr. Raghunath Pawar, Solution Architect at Vertica, APJ, Brisbane, Australia.

Topics Discussed were:

1. Vertica Advance Analytic Platform to analyze data anywhere and wherever needed Viz., In the Clouds, On-Premise, On Hadoop
2. Highlights on Vertica Advanced Analytical Capabilities
3. Vertica ML algorithms and sample use cases
4. VerticaPy Advantages
5. Working of AutoML on Vertica Python



INTERNATIONAL WEBINAR

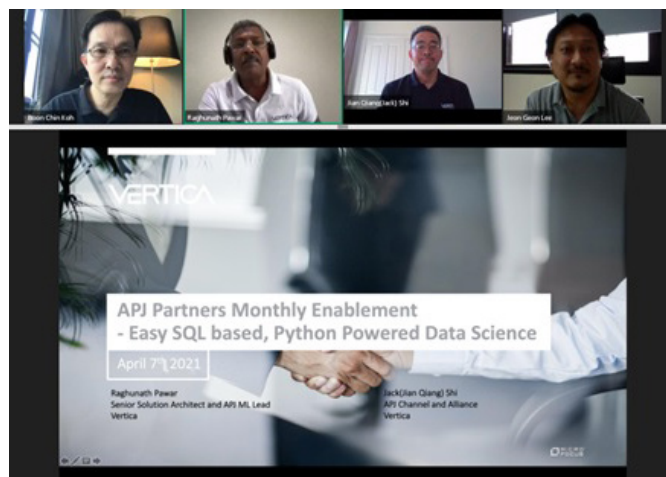
The Department of Computer Science and Engineering organized a webinar on “Vertica Using Python-A Beginners Guide” under HP Centre of Excellence for the 6th sem CSE students.

Resource Persons:

- 1.Mr.Raghunath Pawar, Solution Architect at Vertica, APJ, Brisbane, Australia.
- 2.Mr. Ravi Gupta, Principal Solution Architect, Micro Focus

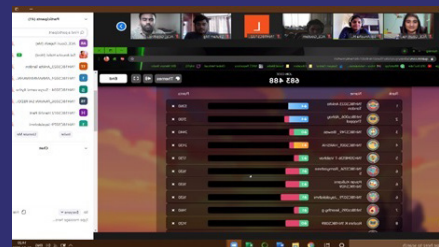
Mr. Ravi Gupta gave a brief introduction to “Vertica-Unified Analytics Warehouse”. He described about the open architecture of Vertica and its ecosystem, its performance in relation to seamless access to data and analytics, key requirements for a unified analytics warehouse and how to create a machine learning model in vertica for prediction on a large database.

Later the session was taken over by Mr. Raghunath Pawar. Mr. Raghunath Pawar and Mr. Ravi Gupta answered all the questions posed by faculty and also gave an insight on few research directions where predictive machine learning models can be used.



EXPERT LECTURE

The Department of Computer Science and Engineering organized an expert lecture on “Data Mining Algorithms” for the 6th sem CSE students. The resource Person was Ms. Deepa Dhevan, Data Scientist, Rubix Technologies, Bangalore. Around 100 students participated and benefitted from the expert lecture.



INDUSTRIAL VISIT

An Industrial Visit to SMC Corporation was held on 6th April 2021, the objective of the meeting was to visit the training centre of SMC and know the range of pneumatic products and to discuss the possibilities of further extension of the Indo-French Centre of Excellence in Electricity Automation and Energy with Pneumatic work benches. The requirements of the work benches was discussed with the sales team and requested for the quote.



Sl. No.	Members	Designation
1	Prof. Thomas BRIERE	Director, indo French centre of excellence in Electricity, Automation and energy(IFCEEAE)
2	Dr. M Mahesh	Professor/HoD-EEE & Co director IFCEEAE, NHCE
3	Prof. Binod Kumar	Head IIC, NHCE
4	Prof. Deepa V B	Senior Assistant Professor- EEE, NHCE

WORKSHOP ON ETHICAL HACKING

The i-SCRUM club of Department of Information Science and Engineering conducted an online workshop, "Workshop on Ethical Hacking" on 12th April 2021 from 2:00 pm to 4:00 pm for the 4th semester students of Information Science and Engineering Department via zoom meeting. The resource persons for this event were Mr. Sai Kiran who is currently working as senior trainer with Ether Global, Bangalore, Mr. Abhishek Shukla who is the director of Academics of India, Middle East and Africa (IMEA), and



is responsible for leading EC-Council's academic operations in information security, training, and certifications for business acceleration and Mr. BaldevKrish who is a Cisco certifications trainer with over 17+ years of Experience in IT. The session covered about the importance of cyber security, the prospects of working in the field of cyber security and importance of ethical hacking. This online session was helpful for the students to learn the latest trends in the upcoming fields.

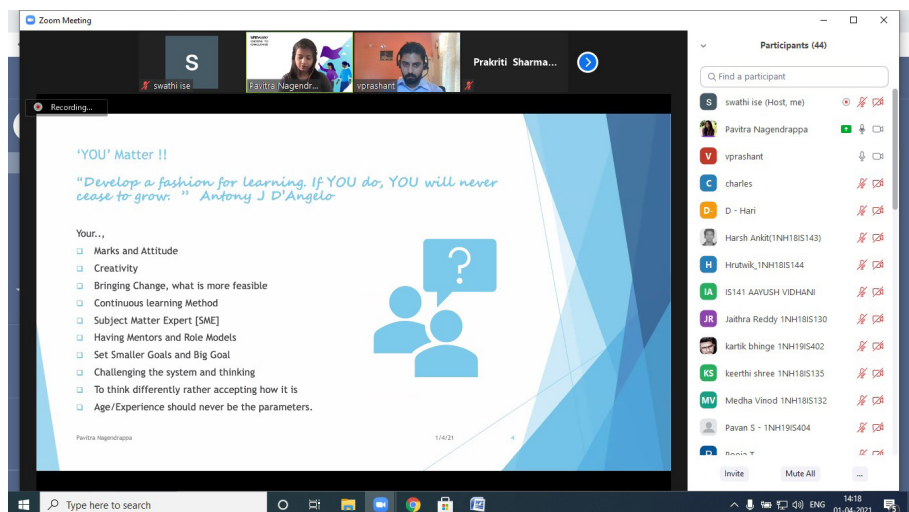
HACKATHON – CODE CRASH

NOTE club of Information Science and Engineering department has conducted a Tech based hackathon called "CODE CRASH" on 12-04-2021 from 11 am to 1 pm.

The expert guides, Thirupurasundari P, working as a Project Manager in HCL Technologies Ltd, Dr. R J Anandhi, Professor and Head of Information Science Department, Mrs. Rafega Beham, Senior Assistant Professor and Mr. Gautam, Senior Assistant Professor shared their knowledge and experience. Code Crash was a national level event and were received over 100 registrations. The event had two rounds:

- First round was a 25 questions quiz based on some fun technical questions. The top 25 participants were next for the next round.

- Second round was a coding challenge, where a problem statement was given and the participants could solve using any programming language. They were judged based on accuracy, numbers of characters used and speed.



The winners of the event are: 1. Jakka Ruthvik Kumar, 4th Sem, ISE, NHCE 2. Gondrala Sai Sharanya, 6th sem, ISE, NHCE 3. Roshini K, 6th Sem, CSE, NHC

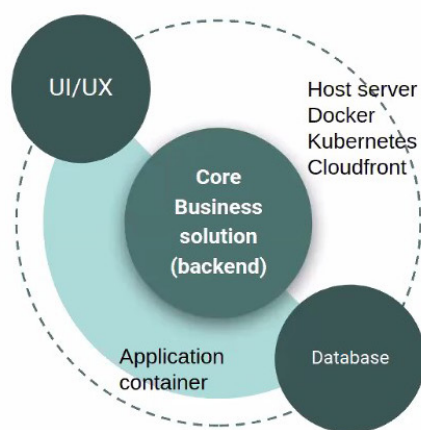
ALUMNI EXPERT TALK

Alumni expert talk series is an initiative where our successful alumni exhibit their technical expertise, confidence and get connected to their juniors.

Department of Information Science & Engineering organized an online Alumni expert talk series on 1st April, 2021., Thursday, 2:00PM IST on the topic "Campus Connect to Corporate World".

The first speaker of the event was Pavitra Nagendrappa, Colleague Support Engineer, VMware Software Pvt.Ltd, 2016 passed out Alumni, addressed students with Virtualization Concepts and the various level of certifications in VMware. Further she addressed the factors highly interlinking the college and corporate world.

The second speaker Prashant V, Project Lead, Hewlett Packard Enterprise, 2016 passed out addressed students about the importance of internship and projects, so that students will be able to sustain in Corporate World.



UTKRANTI

VMware IT Academy of Information Science and Engineering department has conducted. An online event called "UTKRANTI" on 22-04-2021 from 9 am to 1 pm.

The event consisted of three rounds namely:

ROUND 1: GEEK NATION

ROUND 2: TOWER OF PIXELS

ROUND 3: CODER'S CRUSADE

**ROUND-2 Tower Of
Pixels**

PICTIONARY

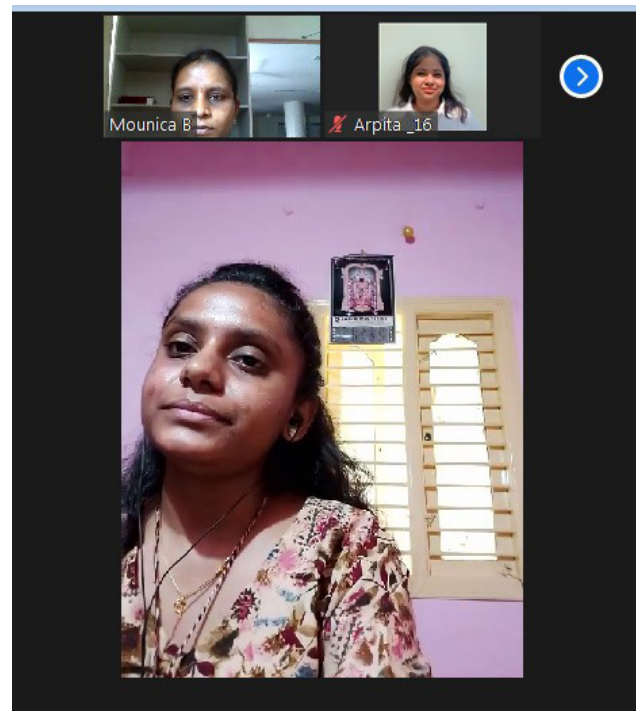


Expert Talk on

SALESFORCE IN CLOUD COMPUTING

The department of Information Science and Engineering has conducted an online expert talk on the topic "Salesforce in cloud computing" for the 6th semester students on 22nd of April, 2021. The expert speaker, Mrs. Padmashree.M, Assistant System Engineer Trainee, at TATA Consultancy Services was invited to conduct the same. The speaker Mrs.Padmashree was well versed with the topic and kept the whole session interactive by encouraging the students to share their knowledge. The following topics were covered in the session:

- What Salesforce is.
- How it is related to cloud technologies.
- How to prepare for the career path.
- About various tests that will prepare the students for their career in this field.



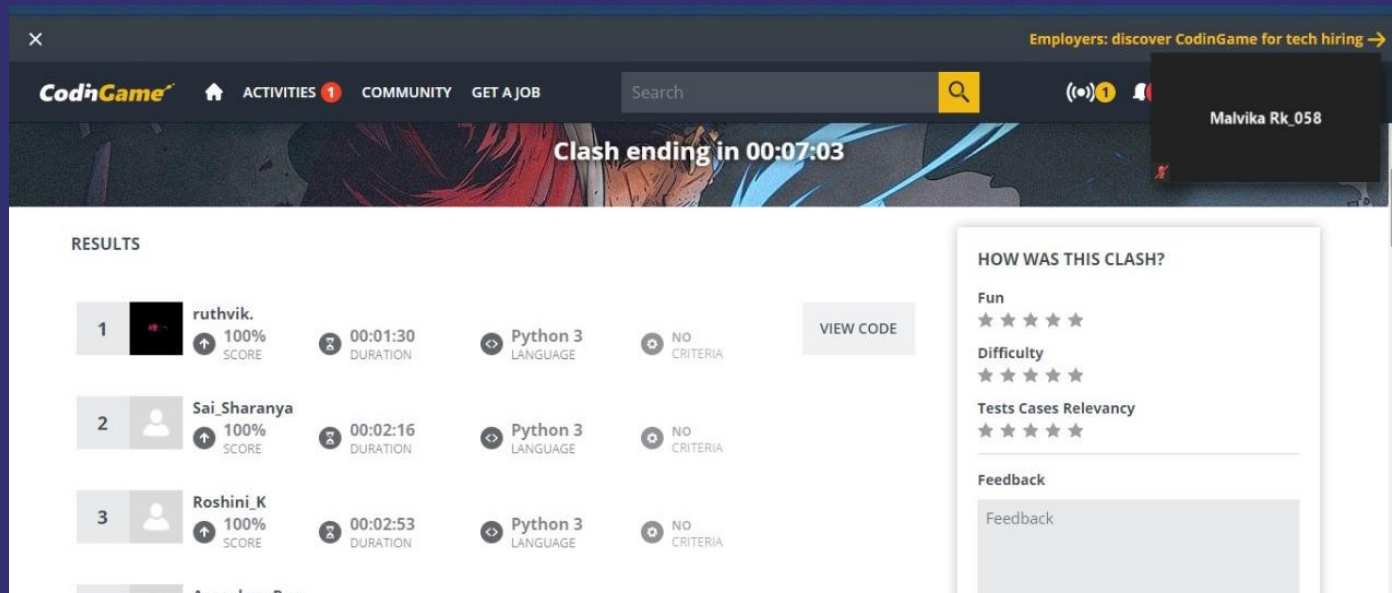
APPLICATIONS OF WEB TECHNOLOGY

The department of Information Science and Engineering has conducted an online expert talk on the topic "Applications of Web Technologies" for the 6th semester students on 20th of April, 2021. The expert speaker, Mr. P Maheshwaran, Software Engineer, Dish Network, was invited to conduct the same. The Speaker is an alumnus from the 2017 batch.

The following topics were covered in the session:

- Introduction to Web Technology
- Importance of UI/UX, the backend, database and framework in Web Technology
- Process of Web Technology Development
- Skills required to develop the Frontend and Backend

At the end of the session the students were provided good knowledge about the applications of web technology.



FUTURE SCOPE AND ADVANCEMENT IN VLSI DESIGN (ONLINE WORKSHOP)

Online Workshop on Future Scope and Advancement in VLSI Design in association with IETE and MTS. The Session was delivered by Mr. Vaibhav, Co-Founder and Director Engineering, Frenus Tech Pvt Ltd. Bangalore. It includes the advancement in VLSI Design. The Speaker interacted with the students about the overview of VLSI industry and to build up the career in VLSI. Mr. Praveen of NHCE Dept. of ECE (2020 Passed out) shared his experience and opportunities in VLSI domain. The Workshop also covered the future scope of VLSI Domain. Around 50 Eighth Semester students had participated in the online workshop. e-Certificate has been provided after the end of the session.

FUTURE SCOPE AND ADVANCEMENT IN VLSI DESIGN



Mr. Vaibhav

Co-Founder and Director Engineering,
Frenus Tech Pvt. Ltd.

Coordinator

Dr. Piruthiviraj P
Associate Professor

Convenor

Dr. Sanjeev Sharma
HOD-ECE

MARKET IDENTIFICATION OPPORTUNITIES THROUGH MARKET RESEARCH



The Department of Management Studies had organized the Industry expert lecture on 1st April 2021.

The speaker of the session was Mr. Manohara N Nadig, Founder and Managing Partner of Manasvi Insights and Analytics. The speaker emphasized the importance of Market research. The need to identify the market opportunities keeping the consumer as an ultimate goal. Good consumer research helps the business to choose the products, tailor the marketing and sales tactics in the market based on reliable and accurate information. It is also important to understand the purchasing behaviour and attitudes with regards to brands and products. Ultimately, marketing research provides information that reduces risk and uncertainty and increases the chance of business success.

INDUSTRIAL VISIT

An industrial visit was conducted by the Department of Management Studies for 1 MBA students. The visit was to Mahatma Gandhi Institute of Rural Energy and Development. MGIRED is located in Bengaluru and was established in the year 2000 with assistance of Ministry of New and Renewable Energy (MNRE), Government of India and the Rural Development and Panchayat Raj Department, Government of Karnataka. In this industrial visit, the students got to learn about renewable energy, non-renewable energy, the process of converting solar energy into electrical energy and the techniques for converting solar energy into electrical energy. The students also go to watch and try some unique devices that can be used to convert solar energy into electrical energy. The students had sessions on rural welfare and development programmes. They also had a session on how to minimize the wastage of resources, what techniques can be used to use the resources



efficiently. They also visited the museum took a tour of the whole place (MGIRED). The students enjoyed the tour and the sessions throughout the day. The visit was very helpful to the students and they got to know about the rural energy and development programmes.

ROLE OF PERSONALITY AND COMMUNICATION

A National Webinar on -The Role of personality and communication in our life was organized by the Department of Hospital Administration and Management on 24th April 2021 by Dev Samaj College for Women, Ferozepur. The guest lecture for the national webinar was Dr. Priyameet Kaur Keer, Associate Professor from the Department of Management Studies of New Horizon college of Engineering, Bangalore.

The session was on the importance of personality development and communication that influences the behavior of an individual towards goal attainment. Effective communication skills play a crucial role in honing one's personality. It helps an individual expressing his thoughts in the best possible way.

DEV SAMAJ COLLEGE FOR WOMEN
FEROZEPUR CITY-152 002

NATIONAL WEBINAR
ON
Role of personality and communication in our life
24th April 2021 at 11.00 - 12.00 noon

Organised by:
DEPARTMENT OF HOSPITAL ADMINISTRATION & MANAGEMENT

Google Meet link - <https://meet.google.com/nsh-krw-rsz>
Registration Link - <https://forms.gle/Hnbc7709gU258009G7>

Registration Details:

- Registration is free and a registration is mandatory for participation.
- Webinar will be on a pre-registered platform.
- Please fill your email ID correctly as you will receive notifications on the registered email ID.
- Participants are requested to mute their audio and video during the sessions.
- Link for joining the webinar will be shared on your registered email ID and WhatsApp group.
- Certificates will be issued to the registered participants only.

DR. PRIYAMEET KAUR KEER
Associate Professor
Department of Management Studies
New Horizon College of Engineering
Bangalore

CHIEF PATRON
Shri Nirmal Singh Dhillon
Secretary, Dev Samaj
Chandigarh, INDIA

EVENT DIRECTOR
Dr. (Mrs.) Ramesha Sharma
Principal,
DSCW, Ferozepur City

CO-ORDINATOR CUM MODERATOR
Dr. Soniya Gill
Assistant Professor
Dept. of B.A.M., DSCW

PEOPLE & PERFORMANCE MANAGEMENT

Sonam Gupta is presenting

Meeting details

(17)

Add people

IN CALL

- Pavithra Salanke (You)
- Anjali C S
- Daisy Gera
- geetha shree
- Hema Hyndavya J
- kavya princes

Sonam Gupta is presenting

"It is not the strongest or the most intelligent, who survives but those who can best manage change." – Charles Darwin

In order to be adaptive during these trying times, Department of management studies organised a Guest lecture on topic "People and Performance Management "for HR specialisation student on 24-04-2021. The session started with introduction of Ms. Sonam Gupta. It was informative and interactive session. The Guest Speaker for the session was Ms. Sonam Gupta, she has 15 years of strategic HR experience worked in companies such as Accenture, Genpact, Tech Mahindra and Tavant, she is currently creating multimillion dollar impact strategic integration for fortune 10 companies.

The aim of the guest lecture series is to equip students with the latest culture, knowledge and practices in the modern human resources operation. Speaker explained on how documentation plays a vital role in organisation and the good impact of defining the rating scale used in organisations. The role of HR in tracking employee's performance through evaluation. and how importance performance management in any organisation. As well as outcomes of performance management.

After delivering her thoughts and experience she encouraged students to clear their doubts and clarified many doubts. It was also a great initiative taken by the faculties of HR department for conducting this wonderful session of knowledge sharing and gaining virtually especially during this pandemic.

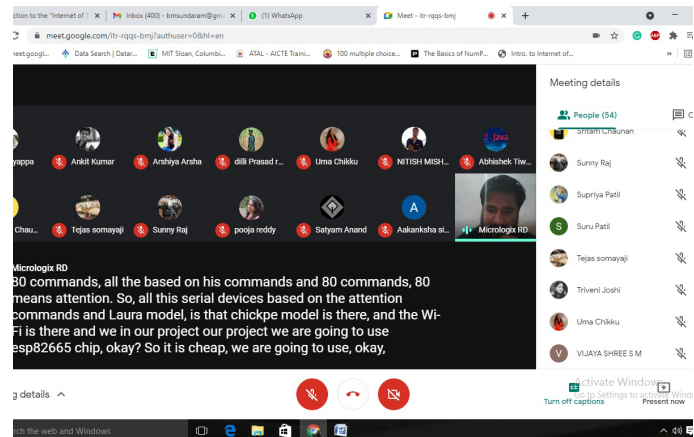
The vote of thanks was given by Sukrutha, HR student

A HANDS-ON WORKSHOP ON "THINGSPEAK – IOT ANALYTICS"

Profile of the Guest: Mr. Shubham Trivedi, Subject Matter Expert at Skyfi Labs.

ThingSpeak is IoT Cloud platform where you can send sensor data to the cloud. You can also analyze and visualize your data with MATLAB or other software, including making your own applications.

Mr. Shubham started discussing about the embedded systems, wireless network systems, RFID, IOT part of master slave communication, 80 means attention commands, Zigbee technologies, BLE (Bluetooth Low Energy devices) Microcontroller and microprocessor differences, Sensor Technology, and Smart irrigation IOT system – case study.



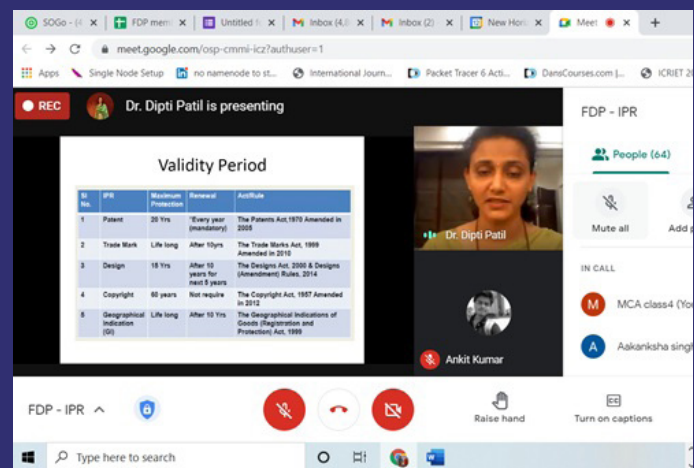
FDP ON INTELLECTUAL PROPERTY RIGHTS – WAY TOWARDS MAKE IN INDIA

An FDP session was hosted on 12th April 2021 with the theme being Intellectual Property Rights – Way Towards Make in India. The session was organized by Dr. Sreekanth R Associate Professor, Dept. of MCA, NHCE. The Guest Speaker for the session was Dr. Dipti Patil, Registered & Certified Patent Attorney.

The FDP on IPR covers the following.

What is patent, Patent Process, Invention and Innovation, Patent procedure in India, List that can be patented and non-patentable. Patents, Trademarks, Design, Copyright, GI.

Google patent, Patent scope, Patent Process in india, Patent filing process in india. E-filing and offline filing of patents.



EXPERT CUM MOTIVATIONAL TALK ON "WHY ENTREPRENEURSHIP – TOWARDS MAKE-IN INDIA"

The Dept. of MCA, New Horizon College of Engineering conducted an expert lecture cum motivational talk on "Why Entrepreneurship" on 16th of April 2021. 70 plus MCA students attended the expert lecture and got benefitted. The session began with an introductory address on the speaker by Dr. K.G. Madhwaraj, Professor, MCA Dept.

Mr. Karmjitsinh Bihola addressed the students about the importance of entrepreneurship and its challenges faced in today's world. He gave real-time examples on the steps that needs to be followed while starting an entrepreneurial company. The most important highlight was that he related entrepreneurship with software development especially agile software development.

Finally, the Vote of Thanks was delivered again by Dr. K.G. Madhwaraj, Professor, Dept of MCA.

The MCA Dept would like to thank our Management, Principal and our HOD for permitting this expert lecture in our department.

Innovation Desk is presenting

Organized by: **NEW HORIZON COLLEGE OF ENGINEERING**

Session by: **innodesk**

Department of Master of Computer Applications

WHY Entrepreneurship { Towards MAKE-IN INDIA }

By Karmjitsinh Bihola,
Founder, Innodesk Designovation Services
Design Thinker, Innovation Strategist, Start-up Ecosystem Enabler

एक कदम #आत्मनिर्भर भारत की ओर... 16th April, 2021

Meeting details ^

Microphone, Video, Chat, Raise hand, Turn on captions, Innovation Desk is presenting

Satyendu Panda and 47 more

10:06 AM

Participants: Innovation Desk, Satyam Anand, Bittu Sharma A, Aakanksha singh, Sunny Raj, Priya H, Raj Michaels, Sneha More, Gita rani Patra

INTERNATIONAL CONFERENCE ON EMERGENT CONVERGING TECHNOLOGIES AND BIOMEDICAL SYSTEMS, (ETBS-2021) ORGANIZED BY: UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY KURUKSHETRA UNIVERSITY, KURUSHETRA, HARYANA, INDIA

REC

pruthvi raju Garikapati

DR S V N SRINIVASU

UIET (Conference)

Luxmi Sapra

sumita goyal

Priya

Panchal Pawan

Ashok K

nizam jam

Meeting details ^

Microphone, Video, Chat, Raise hand, Turn on captions, Present now

3:13 PM

You

Dr. K.G. Madhwaraj, Professor, Dept of MCA presented a paper titled "IMPROVED SPARSE PLSR AND RUN-TO-RUN ALGORITHMS FOR TRAFFIC MATRIX PREDICTION IN SOFTWARE DEFINED NETWORKS" at the international conference on the 29th of April 2021. The conference received 325 papers out of which only 60 were selected. This conference was sponsored by Springer and this paper will be published in Lecture Notes in Electrical Engineering, a journal indexed with Scopus database.



PUBLISHER & EDITORIAL TEAM

Publisher: Dr. Mohan Manghnani

Chairman, New Horizon Educational Institution

Editorial Board:

Dr. Manjunatha, Principal, New Horizon College of Engineering

Dr. Bodhi Satvan, Principal, New Horizon College, Marathalli

Dr. Sunita Hangal, Director, New Horizon College, Kasturinagar

Dr. Sunita Hangal, Principal, New Horizon PU College, Kasturinagar

Dr. Savita Puri, Principal, New Horizon College of Education

Mr. H. N. Surya Prakash, Registrar, New Horizon College of Engineering

Prof. Gurucharan Singh, Director - Training & Placement

Mr. Adarsh Navale, HOD - Branding

Mr. Harish Prabhakaran, Head - Digital Marketing

Ms. Manjula V, Director - HR

Editor: Dr. K.G. Madhwaraj, Professor, Department of MCA

Alumni Coordinator: Mrs. Jincy C. Mathew

Student Editor: Mr. Md. Yasin, V Sem, MCA

Mr. Narendar Nath Jha V Sem, ISE

Designer: Mr. Charan Theja

Photographer: Mr. Ashok S

