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a teacher
TAKES A
hand
OPENS A
mind
& TOUCHES A
heart

"Education
is not a PROBLEM.
Education
is an OPPORTUNITY."

Lyndon B. Johnson

THE SECRET OF A
SUCCESSFUL LIFE
ISN'T THE SUCCESS
BUT HAPPINESS

Happy
Diwali.



phesMsg.com

Webinar on 'ARDUINO FOR BEGINNERS'

Dt.14/7/2021, 2.00pm to 5.00pm.

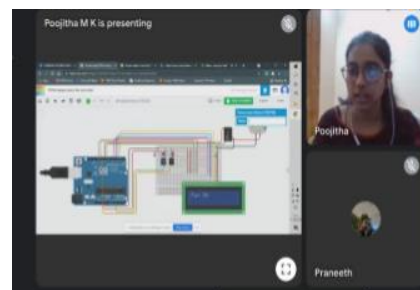
This program was arranged in the motive of sharing the knowledge and practical experience of **Ms. Poojitha. M.K**, who has teaching experience in an **IIM-Bangalore incubated EdTech startup**. The overall organization and deliverance of the webinar was helpful and satisfied the participants. The Speaker of the Session discussed About "Why Arduino?" by sharing the existence of its simple and accessible user experience, Arduino has been used in thousands of different projects and applications. The Arduino software is easy-to-use for beginners, yet flexible enough for advanced users. It runs on Mac, Windows, and Linux. Teachers and students use it to build low cost scientific instruments, to prove chemistry and physics principles, or to get started with programming and robotics. Designers and architects build interactive prototypes, musicians and artists use it for installations and to experiment with new musical instruments.

Arduino also simplifies the process of working with microcontrollers, but it offers some advantage for teachers, students, and interested amateurs over other systems:

- Inexpensive - Arduino boards are relatively inexpensive compared to other microcontroller platforms. The least expensive version of the Arduino module can be assembled by hand, and even the pre-assembled Arduino modules cost less than \$50
- Cross-platform - The Arduino Software (IDE) runs on Windows, Macintosh OSX, and Linux operating systems. Most microcontroller systems are limited to Windows.
- Simple, clear programming environment - The Arduino Software (IDE) is easy-to-use for beginners, yet flexible enough for advanced users to take advantage of as well. For teachers, it is conveniently based on the Processing-programming environment, so students learning to program in that environment will be familiar with how the Arduino IDE works.
- Open source and extensible software - The Arduino software is published as open source tools, available for extension by experienced programmers. The language can be expanded through C++ libraries, and people wanting to understand the technical details can make the leap from Arduino to the AVR C programming language on which it is based. Similarly, you can add AVR-C code directly into your Arduino programs if you want to.
- Open source and extensible hardware - The plans of the Arduino boards are published under a Creative Commons license, so experienced circuit designers can make their own version of the module, extending it and improving it.

Good number of interested participants, from Electronics, Electrical and Mechanical streams, were benefitted from the valuable discussion and eventually helped them to work on Arduino based projects.

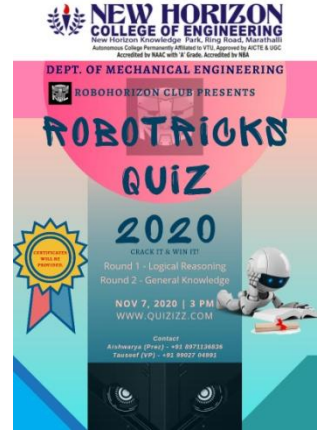
NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
ROBOHORIZON CLUB
Presents
Arduino for Beginners
SPEAKER
Poojitha M K
Learning Management Specialist,
Sapientury Pvt Ltd,
In Collaboration with:
SAPIENTURY
Code: [Join here](#)
Saturday, 11th Sept 2021
5:00 PM - 6:00 PM
Student Co-Ordinator:-
Tauseef Ahmed (President): 99027 04991,
Ajay Sampath (Vt): 95918 65976



RoboTRICKS Quiz

Dt.7/11/2021, 3.00pm

Robohorizon Club, Department of Mechanical Engineering organized a quiz competition “ROBOTRICKS QUIZ”. The competition was witnessed by 188 participants from various domains in engineering. The questionnaires framed were based on Automation Technologies and regulated in two rounds. Round 1: Logical Reasoning and Round 2: General Knowledge & Technical. The first round was administered and the top 30 participants were selected, thereby eliminating the rest. The top 30 participants progressed to the final round. The final round became a highlight of the competition as the students were actively participating with competitive spirit and the output witnessed was mind blowing. The final round was even more challenging and the top 3 highest scored were considered as winners and the rest were awarded with certificates.



Parent Teacher Meeting 2021

Dt.20/11/2021, 10.30am

A parent Teacher Meeting for III Semester B.E was held on 20th November 2021 at 10.30 a.m. Agenda of the Meeting was to Develop a Plan where the Teacher – Parent together can address the students to work through his difficulties and also to discuss the overall development of the Department. It was a great interaction between the Head of the Department and Parents for the progress of their children. He discussed the upcoming events in the Departmental level and also gave an Introduction to Industry collaborated Laboratories that would help for the Placements. For better Communication and Updating the Status of Students, Class Teachers shared the Contact numbers of the Counselors. Parents came to know about the Institution rules and regulations, methodologies of teaching & learning for the overall welfare of students.



ATAL FDP On Implementation of Emerging Waste To-Energy Technologies - An Opportunity and The challenges On Energy Recovery Systems

<p>About the Institute The Government College of Engineering is an Autonomous college affiliated to Government Engineering College, Dharwad. It is one of the top Engineering Colleges in India as per the ranking in the world with 50+ years of experience. Government College of Engineering is an ISO 9001 certified institute. The college campus is situated in the IT corridor of Dharwad. The college is one of the best institutes in the region. It has a strong infrastructure with state-of-the-art facilities. The college has a rich tradition of providing quality education to its students. The college is committed to providing a world-class education to its students. The college is committed to providing a world-class education to its students.</p> <p>About the Department The Department of Mechanical Engineering is accredited by the National Board of Accreditation (NBA). The department is one of the best departments in the region. It has a strong infrastructure with state-of-the-art facilities. The department is committed to providing a world-class education to its students. The department is committed to providing a world-class education to its students.</p>	<p>Chief Patron Dr. Mohan Manghanni Chairman - NHES Dharwad</p> <p>Patron Dr. Manjunatha</p> <p>Advisory Committee Dr. Amarjeet Singh Dr. Girija Srinivasulu Dr. Shridhar Kurse Dr. Priyabrata Adhikary</p> <p>Co-ordinators Dr. Ashok Kumar Prof. Manoj B C</p> <p>Organising Committee Dr. Manoj B C Dr. Manoj B C Dr. Manoj B C</p>	<p>NEW HORIZON COLLEGE OF ENGINEERING Dharwad</p> <p>ACITE Training and Learning (ATAL) Academy Online Faculty Development Programme (FDP)</p> <p>Implementation of Emerging Waste-To-Energy Technologies - An Opportunity and the Challenges On Energy Recovery Systems</p> <p>Department of Mechanical Engineering</p> <p>15th Nov 2021 - 19th Nov 2021 www.newhorizonindia.edu</p>	<p>Overview of the ACITE Training and Learning (ATAL) FDP ACITE Training and Learning (ATAL) FDP in the field of technical education will help participants to gain knowledge on implementation of Emerging Waste-to-Energy Technologies and their Opportunity and Challenges On Energy Recovery Systems for sustainable development.</p> <p>The Objectives of the ACITE Training and Learning (ATAL) FDP Faculty members / Research scholars (PhD Students) from industry are going to be clear about: • To effectively reduce fossil fuels consumption usage by energy from managed solid waste (MSW). • To reuse the waste for energy conversion and generation. • To apply energy generation potential from biochemical and thermo-chemical processes using generic models. • To apply waste to meet the environmental challenges and mitigate different energy resources. • To analyze the waste to energy processes technology development, evaluation and validation, implementation, and economical analysis. • To overcome the problems caused by the power demand uncertainties. • Evaluating the planning, risk management, control systems, and chemical process systems. • To optimize hybrid system components, enhance efficiency, cyber security, reliability, and profitability of the assets over their lifetime. • To design and assure the production free atmosphere from green energy.</p>	<p>Who Can Apply: The ACITE Training and Learning (ATAL) FDP is open to the faculty members and Research Scholars of ACITE approved colleges and industry professionals.</p> <p>Resource Persons: Industry experts from IT, ESE, NI and Research expert from substantial experience will also share their perspective in the field of Emerging Waste-to-Energy Technologies and their Opportunity and Challenges On Energy Recovery Systems.</p> <p>Course Content • Energy Systems & Thermal Systems • Sustainable Mechanical Fluid Waste Management • Emerging Waste To Energy Technology And Facilities • Recyclable Waste and Fuel for Process, Storage, Waste management • Cyclic processes and quantum estimate of the potential for CO₂ reduction and life cycle savings • State and future of waste to energy • Heat and process, material, chemical, economical and management challenges • Use Heat Exchangers well utilization • Alternative Fuel for Engines • Waste plants in Energy • Energy from waste: Ethical • Integrated environmental protection measures, R&D systems and process • Engineering • Supply and demand side of energy management.</p>	<p>Registration The participants can download brochure available on the New Horizon College of Engineering website (http://www.newhorizonindia.edu/engnewswriting/mechanicalworkshop2021) https://dataacademy.acite-india.org/participant/workshop</p> <p>The number of participants will be limited to 200. The selected applicants will be intimated by e-mail on or before 10th November, 2021.</p> <p>Note: The certificates will be issued to those participants who have attended the program and have qualified with 80% marks in the test conducted at the end of the program.</p> <p>Important Dates Last date for online registration through ATAL FDP web page is 05th November, 2021. Selected participants will be intimated through Email, on or before 10th November, 2021.</p> <p>Address for communication Program Co-ordinator Dr. K. Gopel, Associate Professor, Department of Mechanical Engineering 9040308888 Email: drgopel@newhorizonindia.edu@gmail.com</p>
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SAP ERPsim Subcontinent Student Competition

Five students from Department of Mechanical Engineering, New Horizon College of Engineering participated in SAP ERPsim subcontinent (India, Sri Lanka and Bangladesh) student competition conducted by SAP University Alliances from **23rd November to 26th November, 2021**. The ERPsim Manufacturing game was an Entrepreneurship Resource Planning (ERP) simulation game with SAP S/4 HANA system. New Horizon College of Engineering secured 7th place out of 17 teams which participated in the competition. In addition to getting a participation certificate, the students have been awarded free sponsored SAP certification course by SAP worth 125 euros.



Webinar on "The World We Lead Tomorrow"

THE BEST RUN **SAP** **next-gen** Club
NEW HORIZON COLLEGE OF ENGINEERING

SAP NEXT-GEN WEBINAR
An exclusive session for SAP Next-Gen Students on
" THE WORLD WE LEAD TOMORROW "

Speakers

Christian Klein
CEO,
SAP SE

Paul Marriott
President,
SAP Asia Pacific Japan

Faculty Coordinator
Puneeth H V
Asst. Professor,
ME Dept. NHCE
Contact no.: 9844537644

Student Coordinators
Karan V M & Krishna P
SAP Club,
ME Dept. NHCE
Contact no.: 9900674507 / 9066254093

18th November 2021 @ 1:30pm (IST)
Scan the QR Code and Register for the Webinar
or use this Link - <https://webinars.sap.com/api/the-world-we-lead-tomorrow-ajpc-2021/en/registration.aspx>

Dt.18/11/2021, 1.30pm to 2:15pm

The Department of Mechanical Engineering in association with SAP-Next GEN. CLUB conducted the webinar on "The World We Lead Tomorrow" for the students, scholars and teaching faculties.

This session discussed the impact of recent SAP technology in the current market environment. Mr. Christian Klein, the session's speaker, began the session with a few basic concepts used in technology, relating them to best-fit real-life examples such as Amazon, Starbucks, and Toyota, which are essential for motivating the participants. He discussed emerging SAP trends. He described how SAP has built models for day-to-day applicability over the decades, forecasting to make proactive business decisions, and using data concepts to represent data for easy understanding.

He emphasized the importance of work purpose and empowering people to work toward it for better career opportunities in India and the global market, as well as gaining practical mastery over SAP applications through its vast platform. Mr. Christian Klein also shared his inspiring personal experience as an intern at SAP and how he rose through the ranks to become SAP's CEO.



(Mr. Christian Klein)

&

(Mr. Paul Marriott)

Mr. Paul Marriott, our next speaker, projected on comprehending theoretical concepts and relating to the practical aspects of ERP, as well as discussing SAP's commitment to innovation and entrepreneurship. He introduced the SAP Learning Hub to the students and encouraged them to register. This program was designed to share the knowledge and practical experience of Mr. Christian Klein and Mr. Paul Marriott, who have decades of SAP experience. The webinar's overall organization and delivery were beneficial and satisfying to the participants. The webinar's goal was met with around 100 participants who benefited from the valuable discussion and ultimately learned how to gain and apply knowledge for their future endeavours.

Topics covered:

1. Purpose of using SAP & its evolution
2. Importance of purpose of work and to empower people to work towards it
3. Personal experience of Mr. Christian Klein since his start as an intern at SAP & how he has worked towards becoming the CEO at SAP
4. SAP's commitment towards innovation & entrepreneurship
5. Introduction of SAP learning hub & its registration for students. Followed by Q & A session.

Webinar on 'Application of Machine Learning'

Dt.22/05/2021, 10.00am to 11:00am

The Department of Mechanical Engineering in association with ROBOHORIZON CLUB conducted the webinar on "Application of Machine Learning (ML) in Marketing Analytics" for the students, scholars and teaching faculties.

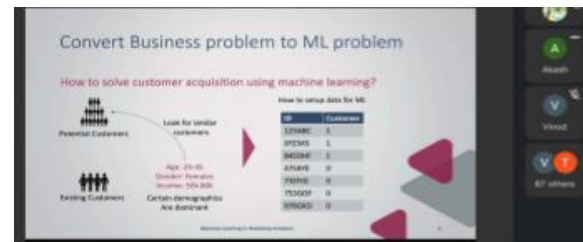
The impact of recent technology in Data Analytics in present marketing environment was discussed in this session.

The Speaker of the Session **Mr. Akash Hongal** discussed the basic concepts used in the technology relating with best suitable real life examples like Hotstar & E-commerce platforms, which are essential for the understanding of technology. He inspired the audience by lively interacting on topics such as new trends in applying Data-driven, Machine Learning approaches for business decisions and incorporation of Artificial Intelligence, Big Data, and Machine Learning applications. He discussed about analyzing structured and unstructured data using different tools and techniques, developing and understanding of descriptive and predictive Analytics, building models for day-to-day applicability, performing Forecasting to take proactive business decisions, using data concepts to represent data for easy understanding. He emphasized on Business Analytics career opportunities in India and global market and gaining practical mastery over applications of machine learning through a hands-on project. He projected on comprehending the theoretical concepts and relating to the practical aspects of artificial intelligence. He insisted on modeling algorithms for deep learning and clustering systems.

This program was arranged in the motive of sharing the knowledge and practical experience of Mr. Akash Hongal, who has years of experience in Data Analytics. The overall organization and deliverance of the webinar was helpful and satisfied the participants. The objective of the webinar has been achieved with around 100 participants who were benefitted with the valuable discussion and eventually help them to implement knowledge in their respective research works.

NEW HORIZON COLLEGE OF ENGINEERING 50th
 DEPARTMENT OF MECHANICAL ENGINEERING
ROBOHORIZON CLUB
 Presents
Webinar on APPLICATION OF MACHINE LEARNING in MARKETING ANALYTICS
 Meeting ID: 934 2866 0840 | Saturday, 22nd May 2021 | 10:00 AM – 11:00 AM
 Passcode: 230021
 Student Co-ordinator: Ashwarya Jacob (President), 8571 38836; Tauseef Ahmed (VP), 99027 04991

SPEAKER
Mr. Akash Hongal
 Senior Data Scientist at Actna, United States of America



"RO-BOOT"

Dt.19/11/2021, 9:00am to 12:00pm

The Department of Mechanical Engineering in association with ROBOHORIZON CLUB conducted an event called Ro-Boot! – 'Survive or get booted'

A tech related event that tested participants knowledge and gave them a platform to showcase their ideas as well! This competition was witnessed by 48 participants from various Engineering branches of NHCE.

DEPARTMENT OF MECHANICAL ENGINEERING
ROBOHORIZON CLUB
 Presents
RO-BOOT!
 Survive or get booted!
Round 1 - Brains on Board
Round 2 - Spin and Win
 IIT Lab, Mechanical Department | Friday, 19th Nov 2021 | 9:00 A.M.
 For any queries contact:- Tauseef Ahmed (President), 99027 04991; Jemima (Treasurer), 98865 02320



'Best Performing Professor' award winners from from Indian Technology Congress Association



Other Highlights

- ☑ Dr. Priyabrata Adhikary Received Best Project award on the occasion of Teachers Day 2021 from KSCST for project titled **"Design and Simulation of Dual Axis Solar Tracking Panel for Rural Area"**
- ☑ Dr. Gopal K, Dr. Srinath M K, Dr. Nagendra J, Dr. Bopanna K D, Mr. Ravi Kumar M, Mr. Puneeth H V, Mr. Sajeeth S Received **Best Performing Professor** award from Indian Technology Congress Association on the Occasion of Indo-Serbia Engineers Day Celebration"

Forthcoming Events



Editorial board: Dr. Shridhar Kurse, Dr. Srinath M K, Prof. Shiva Prakash S, Prof. Puneeth H V, Prof. Manjesh B C, Prof. Santhosh A N, Mr. Yukesh Narayan (7th Sem), & Mr. Praveen (7th Sem)

Advisory Committee: Dr. C P S Prakash (Principal, Dayananda Sagar College of Engineering) Mr. Deepak Kamath (Technical Head of Continental India Ltd. Bangalore)
New Horizon College of Engineering
Ring Road, Near Marathalli, Bellandur Post - 560 103, Bangalore, Karnataka, India