



**Department of  
Electrical & Electronics Engineering**

## **CURRENTS NEWSLETTER JANUARY-JUNE 2022**

**[www.newhorizonindia.edu](http://www.newhorizonindia.edu)**

Outer Ring Road, Bellandur Post, Near Marathahalli  
Bengaluru-560103, Karnataka, India

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# Ucreate Club organized TechPlay



U-Create club of the Electrical and Electronics department conducted an event TECHPLAY ON 13TH JANUARY. The session was hosted by Harshitha. R of the 7th Semester and started with a Welcome Note to our contestants, to all the students of the 3rd and 5th semesters students, and to the faculty of the electrical and electronics department. The event was preceded by a short talk by prof. Kodandapani of the electrical and electronics department. In his talk, he emphasized the importance of Innovation in the Electrical Domain. After which the event started with 30 enthusiastic participants. The event ran in Three rounds where in the first round they have to pick and speak on an electrical topic, the shortlisted members were moved to the second

round. In which they had a circuit to block. A circuit was given and was asked to decode it. This was followed by an elimination round. The third round had similar to the second round where the participants had to debug a code which was given by the ucreate members. Basically, it consist of a code that had errors and the shortlisted participants had to debug the code. which successfully led to the end of the three rounds of TECHPLAY. The participants from various departments actively participated in the event and had a great fun learning session. The students from other branches than the electrical branch got great exposure to Electrical Domain. At the end of this knowledge-oriented day, we came up with three brilliant Participants as winners decorating first, second and third place for whom the prizes were distributed by the faculty coordinator of the U-Create club prof. Kodandapani sir. The event ended with prize distribution and a vote of thanks. The inquisitiveness of all the participants led them to learn all the important aspects of electrical projects which will definitely help them to boost their technical skills indeed this was also an event where the participants used this opportunity to evaluate their knowledge

# Specific Orientation cum Q& A session



**NEW HORIZON**  
COLLEGE OF ENGINEERING

Department of Electrical and Electronic Engineering

In association with



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)



IEEE IES Bangalore Chapter



IEEE  
Industrial  
Electronics  
Society

New Horizon College of Engineering  
Geo-Code SBC66131B

Organizing

**A National Workshop  
on**

**Specific Orientation cum Q&A session  
ON**

**Patent Drafting and Filing Procedures**

Hosted by

**NHCE-Institution's Innovation Council & IPR CELL**



**Start Time**

2:00 pm

March 11, 2023

**Finish Time**

4:00 pm

March 11, 2023

**IEEE IES NHCE Student Branch Chapter  
Inaugural Ceremony**



The Inauguration of IEEE IES Student Branch Chapter (Geo Code: SBC66131B) of New Horizon College of Engineering, Bengaluru was held on 11<sup>th</sup> March 2023 at Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru through. The program began with a welcome address by the Dr.Sujitha S, Associate Professor & HoD, EEE Department of NHCE. Dr. Vinoth Kumar K, IEEE IES SBC Advisor introduced the biography of Chief Guest. The Chief Guest of Inaugural ceremony will be Mr. Vishal Anand A G, Chair, IEEE IES Bangalore Chapter Section & Principal Engineer, Bloom Energy (I) Pvt Ltd, Bengaluru delivered the inaugural speech. He emphasized the mission of the IES student branch chapter and how this could help the academia in solving problems related to energy and also stressed that power electronics is

the key for integrating renewable energy into the grid and the importance of power electronics in energy generation, management and conservation. Dr. Vinoth Kumar K, IEEE IES SBC Advisor presented the information about IEEE IES NHCE SBC activities and proposed the Office Bearers of IEEE IES NHCE for the year 2023. The proposed office bearers were accepted by Dr. Mohan Das, Associate Professor, EEE, NHCE and seconding by Mr. Vishal Anand A G, Chair, IEEE IES Bangalore Chapter Section & Principal Engineer. The Presidential address was delivered by Dr. Sujitha S, Head of department Electrical and Electronics Engineering, NHCE. And the overview about IEEE IES was delivered by Dr. Shefali Jagwani Vice Chair IEEE IES Bangalore Chapter, and finally the vote of thanks was proposed by Mr. Peerzada Anzar Azmat Chair IEEE NHCE. The Inauguration was graced with the presence of Dr.Sanjeev Sharma , Dean Academics of NHCE and Dr.Aravinda K,

Professor & Head of Department, ECE ,NHCE and Dr. Sumit Soman Chair IEEE Sensors Council Bangalore Chapter and Mr. Chandrashekar ,Vice president Ambee. The event was made more colorful by the active participation of under graduate students and faculties from Department of Electrical and Electronics Engineering, New Horizon College of Engineering and other college faculty members were present at the audience. Altogether the IEEE IES NHCE SBC Inauguration was a great success and all the members are very excited in taking forward this society to greater heights.

## National **Workshop** on “New paradigm in Renewable Energy – Microgrids, EV and Hydrogen”



The IEEE IES NHCE Student Branch Chapter from Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru is organizing the National Workshop on “New paradigm in Renewable Energy – Microgrids, EV and Hydrogen” on 11th March 2023, Wednesday, between 10:00 AM to 04:00 PM in association with IEEE Industrial Electronics Society Bangalore Chapter. . The objective of the programme is to bring the researchers and academic experts from reputed institutes of our country to a collective gathering for exchanging and sharing the knowledge about the recent developments and research challenges in new paradigm in Renewable Energy – Microgrids, EV and Hydrogen.

### Start Time

10:00 am

March 11, 2023

### Finish Time



4:00 pm

March 11, 2023

# National **Workshop** on Specific Orientation cum Q&A Session ON Patent Drafting and Filing procedures



**NEW HORIZON**  
COLLEGE OF ENGINEERING

Department of Electrical and Electronic Engineering

In association with



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)



IEEE IES Bangalore Chapter



IEEE  
Industrial  
Electronics  
Society

New Horizon College of Engineering  
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Organizing

**A National Workshop**  
on  
**Specific Orientation cum Q&A session**  
**ON**  
**Patent Drafting and Filing Procedures**

Hosted by  
**NHCE-Institution's Innovation Council & IPR CELL**

The IEEE IES NHCE Student Branch Chapter from Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru is organizing the National Workshop on “Specific Orientation cum Q&A Session ON Patent Drafting and Filing procedures” on 11th March 2023, Wednesday, between 02:00 PM to 04:00 PM in association with IEEE Industrial Electronics Society Bangalore Chapter. The objective of the programme is to bring the researchers and academic experts from reputed institutes of our country to a collective gathering for exchanging and sharing the knowledge about the Patent Drafting and Filing procedures.

**Start Time**

2:00 pm

March 11, 2023

**Finish Time**

4:00 pm

March 11, 2023



**NEW HORIZON**  
COLLEGE OF ENGINEERING

Department of Electrical and Electronics Engineering

Inaugural Ceremony of

**IEEE Industrial Electronics Society NHCE Student Branch Chapter**

IEEE  
**Industrial Electronics Society**  
Geo-Code is SBC66131B

**CHIEF GUEST**

**Mr. Vishal Anand A G**  
Chair, IEEE IES Bengaluru Chapter &  
Senior Principal Engineer  
Bloom Energy (I) Pvt Ltd, Bengaluru, India

## **One Week Self Sponsored WORKSHOP ON “RECENT TRENDS IN ENERGY STORAGE AND ELECTRIC VEHICLE TECHNOLOGY”, 20th March – 24th march 2023. on Hybrid Mode**

The Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru is organizing the National Workshop on “One Week Self Sponsored WORKSHOP ON “RECENT TRENDS IN ENERGY STORAGE AND ELECTRIC VEHICLE TECHNOLOGY”, 20th March – 24th march 2023. on Hybrid Mode. The objective of the programme is to bring the researchers and academic experts from reputed institutes of our country to a collective gathering for exchanging and sharing the knowledge about the recent developments and research challenges in new paradigm in Electrical Vehicles, Battery Management System and Energy Storage.

Self-sponsored Five Days Workshop  
ON

## RECENT TRENDS IN ENERGY STORAGE AND ELECTRIC VEHICLES TECHNOLOGIES

SCOPE  
20<sup>th</sup> March -24<sup>th</sup> March 2023



**Sustainable Transformation of Energy Eco System with Smart Technologies.**

Battery – EV Integration  
Battery Charger for EV  
Controllers and Convertors  
Energy Storage Technologies  
Issues and Opportunities

**Comprehensive Inputs with Design, Architecture, Operation of ES & EV**

Battery – Management  
AI for ES and EV  
Advances in ES and EV  
Career opportunities in ES & EV

**CHIEF PATRON**  
Dr. Mohan Manghnani  
Chairman,  
New Horizon Educational Institution

**PATRONS**  
Dr. Manjunatha  
Principal

Dr. Sanjeev Sharma  
Dean-QASDC

Dr. Anandhi R J  
Dean-Academics

**Event Convener**  
Dr. S Sujitha  
Associate Professor & HOD  
Dept. of Electrical and  
Electronics Engineering

**Event Coordinators**

Dr. Mohan Das R  
Associate Professor  
Dept. of Electrical and  
Electronics Engineering  
9786584737

Mr. Vinod Kumar S  
Senior Assistant Professor  
Dept. of Electrical and  
Electronics Engineering  
9751015185

Day/Date	Session -1	Session-2	Session-3	Session-4
	9:30am to 11:00am	11:15am to 12:45pm	1:30pm to 3:00pm	3:15pm to 4:45pm
Day-1/ 20-03-23 Monday	Inaugural Session Shree. K. Jeykishan Kumar Engineering officer, CPRI Chief Guest	Key Note Address Shree. K. Jeykishan Kumar Engineering officer, CPRI	Design of EV battery and charger Dr. D. Sreenivasa rao NIT Warangal	Battery chargers for Electrical vehicles Dr. D. Sreenivasa rao NIT Warangal
Day-2/ 21-03-23 Tuesday	Electromagnetic- Mechano-metallurgical aspects governing Electric vehicles Dr.Arungalai Vendan Professor, Dayanda Sagar University, Bengaluru	Power Electronics Converter in Electrical Vehicle application Dr. Nalamati Chandra Sekhar Technical Specialist Automotive (Transportation) unit, L&T Technology Services (LITS), Bengaluru	Artificial Intelligence in Electrical Vehicles Dr. Sujitha S Associate Professor and Head/EEE New Horizon college of Engineering Bengaluru	Battery Management Systems Dr.R.Mohan Das Associate Professor/EEE New Horizon college of Engineering Bengaluru
Day-3/ 22-03-23 Wednesday	Grid Impacts with EV Integration Dr.V.Arangarajan Professor/EEE New Horizon college of Engineering Bengaluru	Design and optimization of EV Drive train Dr.Agalya.V Professor and Associate Head R&D New Horizon college of Engineering Bengaluru	Development and trends in electric vehicles and charging infrastructure Dr.B.Gunapriya Associate Professor/EEE New Horizon college of Engineering Bengaluru	Analysis of parameter estimation of an electric bicycle using IOT with data analytics technique Dr.K.Vinoth Kumar Associate Professor/EEE New Horizon college of Engineering Bengaluru
Day-4/ 23-03-23 Thursday	Design thinking and innovation Dr. J Joshua Daniel Raj Senior Assistant Professor/EEE New Horizon college of Engineering Bengaluru	Role of BLDC motors in Electrical vehicles Ms. M. Karthika SeniorAssistant Professor/EEE New Horizon college of Engineering Bengaluru	Converter Design Mr. Kodandapani D Senior Assistant Professor/EEE New Horizon college of Engineering Bengaluru	Impact of Large Scale Integration of Electric Vehicle charging in the Distribution System-II Mr. Sunil S. K Senior Assistant Professor/EEE New Horizon college of Engineering Bengaluru
Day-5 24-03-23 Friday	Industrial Visit		Valedictory Session	

## The Institute

New Horizon College of Engineering is an Autonomous college affiliated to Visvesvaraya Technological University (VTU), approved by the All India Technical Education (AICTE) and University Grants Commission (UGC). It is accredited by NAAC with 'A' grade and National Board of Accreditation (NBA). New Horizon College of Engineering is located in the Heart of the IT capital of India, Bengaluru. The college campus is situated in the IT corridor of Bengaluru surrounded by MNC's and IT giants.

## The Department

The main objective of the Workshop is to inquire Knowledge in Battery Management System, Charging systems Storage Devices, Power Electronics Converter and Electrical Motors. Electrical Vehicles are Reliability, affordability, driving range, range prediction, charging station availability, overall trip time and especially convenience of long range travel and comfort under all ambient conditions and traffic situations. No fuel required so you save money on gas, Environmental friendly as they do not emit pollutants Lower maintenance due to an efficient electric motor Better Performance.

## Objective

Welcome to the Department of Electrical and Electronics Engineering (EEE) at New Horizon College of Engineering (NHCE), Bengaluru. EEE is one of the best branches of engineering and one among the oldest departments of NHCE - Bengaluru started in 2001. The EEE Department has been playing a vital role in producing engineers and technologists of high calibre ever since it was established in the year 2001. The Department is accredited by NBA. The Vision of EEE Department is to Create contemporary Engineers, Innovators and Entrepreneurs to make a better nation and in turn a better world.

## Outcome

At the Outcome Participants will be able to find the Challenges in Battery Management Systems, Electric Motor used in Electrical Vehicle, Charging Systems, Power Electronics Converters used in Electrical Vehicles.

## REGISTRATION DETAILS

Student	Faculty	Working Professional
₹500	₹1000	₹1500

ACCOUNT PARTICULARS: NHCE, Indian bank  
A/C No: 484700078  
IFSC: IDIB000N112

**LAST DATE FOR REGISTRATION**  
13-03-2023

After paying the fee, fill the google form which is mandatory.

<https://forms.gle/QB4WahCQG6S4H6u5>

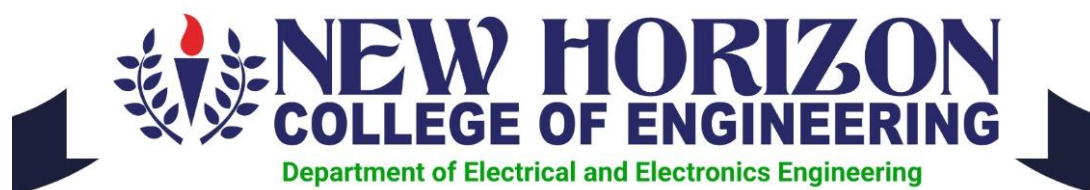


SCAN THIS QR CODE



## Design Thinking & Innovation – An Alumni Talk





WORKSHOP ON

## DESIGN THINKING & INNOVATION



### Bhuvaneshwari M

Design Thinking Team  
Skill and Career Development  
Assistant Professor  
SNS Institutions  
Coimbatore, Tamilnadu

FOR III & FINALYEAR STUDENTS

📅 25 March, 2023, Saturday

🕒 11:00 AM – 12:00 PM, IST

📍 ONLINE MODE

Alumni Talk is organized by the Department Of Electrical & Electronics Engineering for the III, VI and VIII Semester Students on 25/3/23 at 11AM in Online Mode. The session is going to be engaged by Ms. Bhuvaneshwari M, Design Thinking Team, Assistant Professor, SNS Institutions, Coimbatore, TamilNadu

#### Start Time

11:00 am

March 25, 2023

#### Finish Time

1:00 am

March 26, 2023

### Navigating Life After Graduation – An Alumni Talk



ALUMNI TALK ON

## NAVIGATING LIFE AFTER GRADUATION



### Arunanshu Chakraborty

Senior software Engineer II  
Carelton Global Solutions India,  
Bangalore  
2016 – Alumni

6TH SEMESTER STUDENTS

- 📅 28 March, 2023, Tuesday
- 🕒 02:00 PM – 03:00 PM, IST
- 📍 FALCONRY HALL

Alumni Talk is organized by the Department Of Electrical & Electronics Engineering for the VI Semester Students on 28/3/23 at 2PM in the Falconry Hall. The session is going to be engaged by Mr. Arunanshu Chakraborty, 2016 Alumni, and currently working as the Senior Software Engineer, Carelton Global Solutions India, Bangalore.

#### Start Time

2:00 pm

March 28, 2023

#### Finish Time

5:00 pm

March 28, 2023

# National Level Seminar on “Study and Work in Germany – the land of ideas”

The IEEE IES NHCE Student Branch Chapter from Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru is organizing the National Level Seminar on “Study and Work in Germany – the land of ideas” on 10<sup>th</sup> April 2023, Thursday, between 11:00 AM to 12:00 PM in association with IEEE Industrial Electronics Society Bangalore Chapter at Falconry Hall, NHCE Bengaluru. This lecture provides an overview of Study and Work in Germany

## Start Time

11:00 am

April 10, 2023

## Finish Time

12:00 pm

April 10, 2023

# BUILDATHON Students Technical Event



IEEE IES NHCE Student Branch Chapter of Electrical & Electronics Engineering Department, NHCE is planning to organize the Students Technical Event “BUILDATHON” on 11<sup>th</sup> April 2023. The event is targeted to B.E/B.Tech Students of NHCE. The programme details are given below.

The whole aim behind the event is to help the participants get familiarized with basic

electrical core components, concepts, as well as inspire constructive dialogue on trending topics in the technology

field. Along with improving their technical knowledge, participants will be able to elevate their soft skills such as time management, communication skills, and decision making, to ensure an all-round development it will also be a hands-on session along with a competition.

The details of the events are as follows:

Day 1: The first day of the event contains two rounds i.e., Treasure Hunt & Circuit Designing

Round 1: Treasure Hunt: This Round consist of treasure hunt where the event organizing members will be hiding a set of components and the participants seek to gather all items. Its gonna be an elimination Round the fastest ones will be shortlisted for the Round 2

Round 2: Circuit Designing: The Round 2 will be Circuit designing Round,Where the shortlisted participants will be taught to design a circuit in the circuit stimulation software.

Later on they will be given a set of circuits to design in a certain amount of time .One who gets this in the earliest will be considered as winner.

#### OUTCOME

- 1.Students will be introduced to the electrical and electronics components.
- 2.Designing in a stimulation software will be taught.
- 3.It will also be a hands-on session along with a competition.

Venue: B215

#### **Start Time**

10:00 am

April 11, 2023

#### **Finish Time**

4:00 pm

April 11, 2023



## Distinguished Lecture Programme on “Inverter topologies for drives and grid tied applications”



The IEEE IES NHCE Student Branch Chapter from Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru is organizing the Distinguished Lecture Programme on “Inverter topologies for drives and grid tied applications” on 13th April 2023, Thursday, between 10:00 AM to 12:00 PM in association with IEEE Industrial Electronics Society Bangalore Chapter at Falconry Hall, NHCE Bengaluru. This lecture provides an Inverter topology for drives and grid tied applications.

### Start Time

10:00 am

April 13, 2023

### Finish Time

12:00 pm

April 13, 2023

## Distinguished Lecture Program on “One-Cycle Control and Its Application for Stabilizing Power Grids with High Renewable Penetration


**NEW HORIZON  
COLLEGE OF ENGINEERING**  
 Department of Electrical and Electronics Engineering  
 IEEE Power Electronics Society NHCE Student Branch Chapter (Geo-Code is SBC66131)  
 &  
 IEEE Power Electronics Society Bangalore Chapter





Jointly Organizing

**IEEE PELS Distinguished Lecture**

**One-Cycle Control and Its Application for Stabilizing Power Grids with High Renewable Penetration**



**Dr. Keyue Smedley**  
 Distinguished Lecturer -  
 IEEE Power Electronics Society  
 &  
 Professor  
 Department of Electrical Engineering and  
 Computer Science  
 University of California  
 Irvine, CA 92697, USA



12<sup>th</sup> May 2023, Friday



IST, 09:30 AM – 11:30 AM



Google Meet Link :  
[meet.google.com/iby-ocfx-nvt](https://meet.google.com/iby-ocfx-nvt)

**Organizing Committee**

Ms. Anitha A Assistant Professor Coordinator	Dr. Vinoth Kumar K Advisor – IEEE IES NHCE SBC Organizing Secretary	Dr. Sujitha S HoD EEE Convenor
Dr. R.J. Anandhi Dean Academics	Dr. Sanjeev Sharma Dean QASDC	Dr. Manjunatha Principal

Registration Link : <https://forms.gle/NNrgh8CmaPeD9VK26>

Last Date of Registration : 11<sup>th</sup> May 2023

Free Registration, E – Certificates will be provided



**Contact :**

Ms. Aamna Nafiza  
 IEEE PELS NHCE SBC Chair  
 (+91 9591554317)

Ms. Harshika  
 IEEE PELS NHCE SBC Vice-Chair  
 (+91 9523728875)

IEEE Power Electronics Society NHCE Student Branch Chapter of Electrical & Electronics Engineering Department, NHCE in association with IEEE PELS Bangalore Chapter is planning to organize a Distinguished Lecture Program on “One-Cycle Control and Its Application for Stabilizing Power Grids with High Renewable Penetration” for the benefit of students, research scholars and faculties of NHCE and other External Institutions through Virtual mode. The objective of this programme One-Cycle Control and Its Application for Stabilizing Power Grids with High Renewable Penetration – One-Cycle Control (OCC) is a nonlinear control technique for switching converters. It achieves pulse-width modulation (PWM) by comparing the average value of a switched variable to a reference to ensure equality in each switching cycle. OCC enables precise control of a converter’s dynamics in one switching cycle, making it suitable for solving complex control equations. Precision, speed, universality, and simplicity are the most notable features of OCC. In fact, OCC is by far the fastest control reported for power converters.

One worth-noting example of OCC is its ability to realize four-quadrant universal control of three-phase inverters, which allows an inverter to perform power factor correction (PFC) rectification, inverting, dynamic VAR compensation (DVC), active power filtering (APF), or any combination of these functions. Using OCC, these complex control tasks can be achieved with a

simple control circuit, offering ultrafast and powerful power conversion for modern grids, electric vehicles, more electric aircraft, and other areas of applications.

In this presentation, Dr. Smedley will explore the application of the OCC dynamic VAR compensator (DVC) to address the increasing instability of power grids in high renewable penetration scenarios. The present power grid is already under significant stress due to lagging infrastructure updates in response to the growing demand for electricity. This issue is compounded by the intermittent and rapid transients of renewable energy sources. For instance, in circuits with a decent amount of solar penetration (even 10-15%), voltage changes can occur rapidly due to passing clouds, causing systems to switch on and off frequently. The traditional grid equipment for voltage regulation will wear out much more quickly, making the adoption of renewables an expensive prospect. VAR compensation is a well-established Flexible AC Transmission System (FACTS) method for stabilizing voltage.

However, to handle the rapid transients of renewable energy, much faster speed is required. The OCC method has demonstrated exceptional VAR speed for mitigating the impact of intermittency in renewable energy output and other disturbances. OCC-DVC provides a solution to enhance the grid's flexibility and resilience.

**Start Time**

9:30 am

May 12, 2023

**Finish Time**

12:30 pm

May 12, 2023

# Expert Lecture on “Electrolyzers and the future of Hydrogen Economy”

The poster is for an event organized by the IEEE IES NHCE Student Branch Chapter, Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru. It features the college's logo at the top, followed by logos of IEEE PES NHCE, IEEE Industrial Electronics Society, and IEEE IES Bangalore Chapter. The main title is "EXPERT LECTURE ON ELECTROLYZERS AND THE FUTURE OF HYDROGEN ECONOMY". The speaker is Mr. Vishal Anand A G, Chair of IEEE IES Bangalore Chapter Section & Director of Engineering at Bloom Energy (I) Pvt Ltd, Bengaluru, India. The event is on Friday, 26th May 2023, from 2:00 PM to 4:00 PM IST, at venue B201. The organizing committee includes Dr. Vinoth Kumar K (Advisor), Dr. Sujitha S (HoD), Dr. R.J. Anandhi (Dean Academics), Dr. Sanjeev Sharma (Dean QASDC), and Dr. Manjunatha (Principal). Coordinators are Mrs. Karthika M and Mr. Kartheek Vankadara. Contact information for Ms. Harshika and Mr. Shashank Joshi is provided, along with a registration link and date.

**NEW HORIZON COLLEGE OF ENGINEERING**  
Department of Electrical and Electronics Engineering

**IEEE IES NHCE**  
Student Branch Chapter

**IEEE PES NHCE**  
SBC

**IEEE Industrial Electronics Society**  
Society

**IEEE IES Bangalore Chapter**

**IEEE POWER ELECTRONICS SOCIETY**  
Bangalore Chapter

**Organizing**  
**EXPERT LECTURE ON**  
**ELECTROLYZERS AND THE FUTURE OF HYDROGEN ECONOMY**

**Mr. Vishal Anand A G**  
Chair, IEEE IES Bangalore Chapter Section &  
Director of Engineering, Bloom Energy (I) Pvt Ltd,  
Bengaluru, India

**26<sup>th</sup> May 2023, Friday** **IST, 2:00 PM - 4:00 PM**

**venue : B201**

**Organizing Committee**

**Dr. Vinoth Kumar K**  
Advisor – IEEE PES NHCE SBC  
Organizing Secretary

**Dr. Sujitha S**  
HoD EEE NHCE  
Convenor

**Dr. R.J. Anandhi**  
Dean Academics NHCE

**Dr. Sanjeev Sharma**  
Dean QASDC NHCE

**Dr. Manjunatha**  
Principal NHCE

**Coordinators :**  
Mrs. Karthika M, Sr. Assistant Professor, EEE, NHCE  
Mr. Kartheek Vankadara, Assistant Professor, EEE, NHCE

**Contact :**  
Ms. Harshika  
IEEE PES NHCE SBC Vice-Chair  
(+91 9523728875)

Mr. Shashank Joshi  
IEEE IES NHCE SBC Chair  
(+91 9916147248)

Registration Link <https://forms.gle/k3TCPhfJxurkbxb9>  
Last Date of Registration : 25<sup>th</sup> May 2023  
Free Registration, E – Certificates will be provided

IEEE IES NHCE Student Branch Chapter, Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru organizes the Expert Lecture on “Electrolyzers and the future of Hydrogen Economy” on Friday, 26<sup>th</sup> May 2023, from 02:00 PM to 04:00 PM in association with IEEE IES Bangalore Chapter. Mr. Vishal Anand A G, Chair, IEEE IES Bangalore Chapter Section & Director of Engineering, Bloom Energy (I) Pvt Ltd, Bengaluru, Karnataka, India will be the resource person for the event.

## Start Time

2:00 pm

May 26, 2023

## Finish Time

4:00 pm

May 26, 2023



# “Empowering Nation Empowering Earth” – Green Energy Marathon (An Awareness campaign) by Green Energy Club and Jalaposhan NGO



IEEE Industrial Electronics Society | IEEE IEO | 75 Azadi Ka Amrit Mahotsav | IEEE POWER ELECTRONICS SOCIETY Bangalore Chapter | IEEE PEELS | IEEE NPCE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



GREEN ENERGY CLUB &  
JALAPOSHAN NGO

*Jointly Presents*

**“EMPOWERING NATION,  
EMPOWERING EARTH”**



**GREEN ENERGY MARATHON**  
(AWARENESS CAMPAIGN PROGRAM)

**CONVENOR**  
**Dr SUJITHA.S**  
HOD- EEE

**FACULTY COORDINATOR**  
**Mr. VINOD KUMAR S**  
Senior Assistant Professor

**FOR REGISTRATIONS**



**Student Coordinators**  
VAISHNAVI D : 79755 24650  
SRINIVAS : 89715 96709

**Date:** 07/06/2023

**Time:** 9:00 AM onwards

**Venue:** Jakkur lake

The department of Electrical & Electronics Engineering is organizing an event by The Green Energy Club and Jalaposhan NGO – “Empowering Nation Empowering Earth” – Green Energy Marathon (An Awareness campaign) at Jakkur lake on 07.06.2023 from 9am onwards.

**Start Time**

9:00 am

June 7, 2023

**Finish Time**

4:00 pm

June 7, 2023

# Industry 4.0 Revolution Workshop Beyond Automation



The department of Electrical & Electronics Engineering is organizing a hands-on workshop in association with Green Energy Club and CODENPLAY Robotics “Industry 4.0 Revolution Workshop” Beyond Automation at The Schneider Centre of Excellence, NHCE on 10.06.2023 from 9AM onwards. Resource Person- Dr. Manikandan P Chief Technology Officer CODENPLAY Robotics Bengaluru will share insightful thoughts.

**Start Time**

9:00 am

June 10, 2023

**Finish Time**

5:00 pm

June 10, 2023

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## *ACHIEVEMENTS*

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### **MAGNOVITE**



**Students won the competition “OHM-AZING BUILDATHON” in the intercollegiate fest “MAGNOVITE” at Christ University, Kengeri**

Two teams of EEE department participated in an intercollegiate fest “MAGNOVITE” at Christ University Kengeri both teams won the competition “OHM-AZING BUILDATHON”

Team 1 (First Price Rs.7000)

Participants :

Dheeresh Vijay Devadiga

Tejashree T

Dony Snehit P

Harshika

Team 2 (Second Price Rs.3000)

Participants :

Dayas A Dixen

Tantapureddi Haritha

Harshitha K

## INFINITY



The students of Electrical & Electronics Engineering, NHCE had participated and won 3 prizes (11,000/- cash prize total) in an intercollegiate fest “INFINITY” at Jain University, Bengaluru on 18th April 2023.

Mr. Dheeresh Vijay Devadiga (1NH21EE402), 6th semester EEE, won First Price (Cash amount of Rs.3000) in the event Electro Socket.

Mr. Dheeresh Vijay Devadiga(1NH21EE402), Ms. Tejashree (1NH20EE118), Mr. Dony Snehit P (1NH20EE035), Ms. Haritha T (1NH20EE117), 6th semester EEE, won First Price (Cash amount of Rs.4000) in the event Escape Room.

Mr. Dheeresh Vijay Devadiga (1NH21EE402) and Mr. Dony Snehit P (1NH20EE035), 6th semester EEE won First Price (Cash amount of Rs.4000) in the event Electrothon.



## VERTECHX



Six students of 6th semester EEE Department participated in the Intercollegiate Event VERTECHX organized by MVJ College Of Engineering in the event CIRCUTRIX. They participated as 2 teams and won cash prize of Rs. 7500 and Rs. 4000 each.

### **Team 1 –**

1. Dheeresh Vijay Devadiga (1NH21EE402)
2. Tejashree T (1NH20EE118)
3. Dony Snehit P (1NH20EE035)
4. Haritha T (1NH20EE117)

### **Team 2 –**

1. Dayas A Dixen (1NH20EE029)
2. Harshitha K (1NH20EE039)

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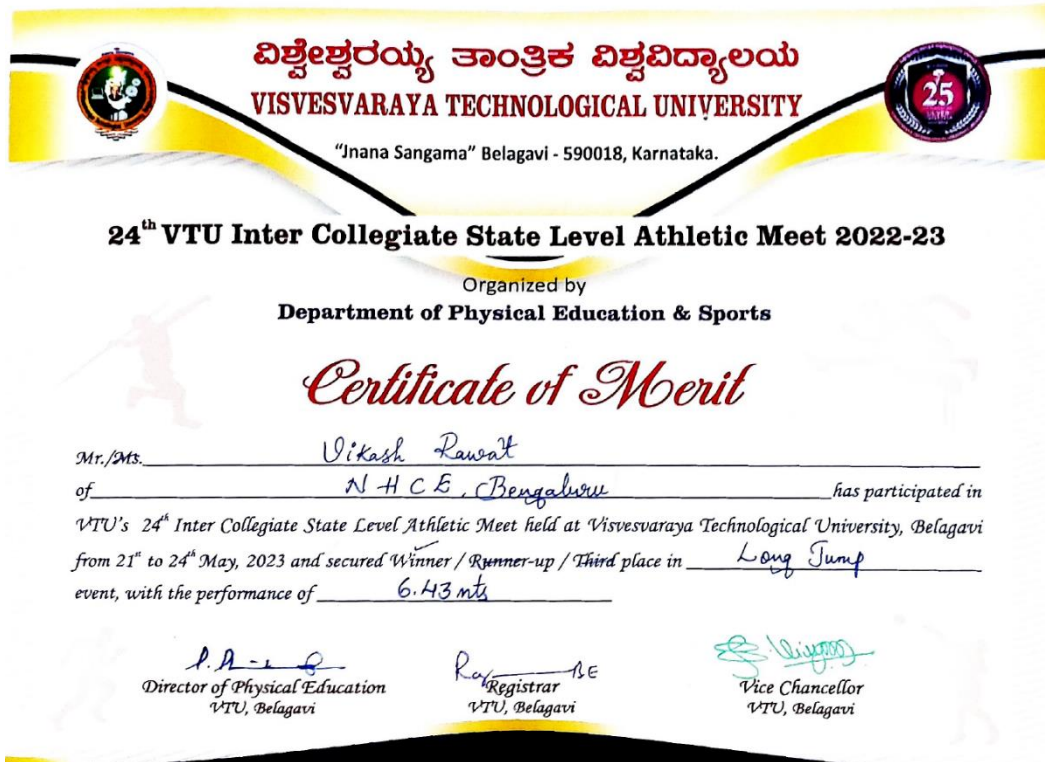
## *SPORTS ACHIEVEMENTS*

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### **LONG JUMP**



**Vikash Rawat**  
6th semester EEE department  
First place in Long Jump in the  
24th VTU State - Level annual athletics meet  
held at VTU Belagavi



### Cricket Zone Tournament



Date: 02/03/2023-14/03/2023

Location: Bangalore

Achievement: Runner up in Cricket Zone Tournament, VTU.



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Achievement: Runner up in Cricket Zone Tournament, VTU