

NEW HORIZON EDUCATIONAL INSTITUTION BENGALURU HAS SET AN EXAMPLE BY DONATING 5 CRORE RUPEES TO PM CARES FUND!



POST
CARD

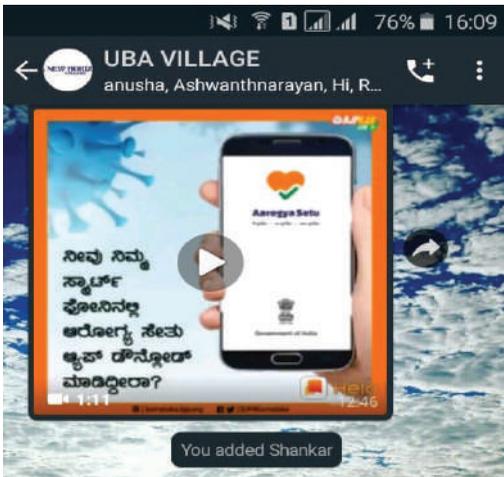
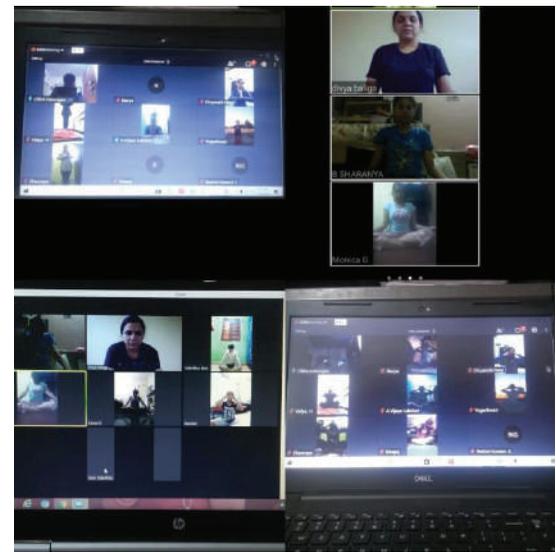
THANK YOU
DR. MOHAN MANGHNANI
FOR YOUR CONTRIBUTION
TOWARDS THE SAFETY
AND WELL BEING OF THE SOCIETY!



WE CARE.

Each staff member of New Horizon College of Engineering has contributed their 1 day salary to the PM CARES Fund to fight the COVID-19 pandemic.

We're in it together!



*Fund donated to government for COVID-19 by Founder and Chairman of New Horizon Educational Institution and each staff member of NHCK has contributed their 1 day salary.

*Principal of NHCK and UBA coordinator meeting with UBA team and came out with Awareness Programs from students of NCHK and faculties.

*Yoga programs for students and faculties.

*Counselling Support during Lockdown was arrange for the students' parents and employee.

* Created WhatsApp Groups for the adopted Villages sharing the information and awareness to the villagers.

<https://www.instagram.com/nhck.degreeofficial/>

<https://www.youtube.com/watch?v=rJ9ucLv15PQ&t=26s>

<https://www.youtube.com/watch?v=7FDBQijcHRY&t=51s>

Our students awareness campaign on covid 19 Corona virus, students educate to Follow easy Precautionary measures, and help yourself ...





Special Placement Readiness Discussion for the 2017-2021 batch

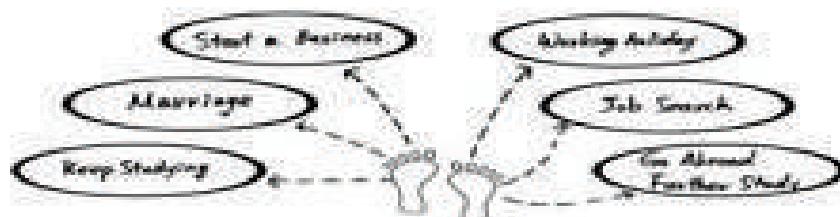
Dept of Computer Science and Engineering arranged a special placement readiness discussion on the topic Design Thinking and Placement Strategic Planning for the 2017-2021 batch on 04-Mar-2020. The guest for this discussion was Mr. Vinay Khande, a certified Ethical Hacker and CCNA certified professional working as Associate Consultant in Allstate Solutions Pvt Ltd. Topics were categorized in 5 stages:

1. Aptitude tests
 - a. what we are tested for
 - b. core subjects
 2. Group discussion
 - a. clarity of thought
 - b. communication skills
 - c. comprehension
 3. Panel interview
 - a. preparation tips
 - b. interview mistakes
 4. Tech round
 - a. coding challenges
 - b. interview strengths
 5. HR interview
 - a. common questions
 - b. things in order
- Background research



WEBINARS

CAREER COUNSELING CELL ORGANISES "ONLINE WEBINAR"



Trusted for Success

Presents



CAREERS OPPORTUNITIES AFTER GRADUATION

Online Webinar
30 April, 2pm onwards

As you have been limited to home, we thought why not reach you virtually and help you with guidance related to career opportunities after graduation.

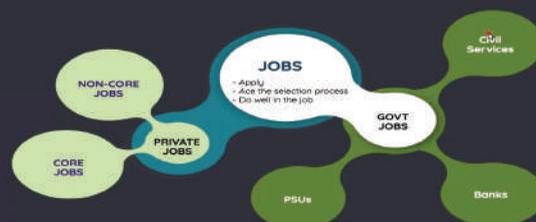
The speaker for the session will be **Swadhin Sahu**, an alumnus of IIT Madras and IIM Lucknow. He has been associated with IMS for the last 3 years and is currently heading our branch at Jayanagar. The session shall be followed by a Q&A section.

To provide the needed guidance and direction to choose a right career

An insightful Webinar on Career Guidance was held for the students of II and III year B.Com and BBA by Department of Commerce and Career Counselling Cell. Career decisions play a pivotal role in shaping the future growth and development of students. In today's environment of multiple options, knowing about choices available helps students in their decision-making process.

Mr. Swadhin Sahu, Head of IMS Jayanagar enlightened the students on various career choices. He covered broad areas of choice available for the student's right from being an Entrepreneur or looking for a Government jobs or private jobs. He also spoke about professional courses like CA, CS, CFA and many more.

GET A JOB – uuuhhh ! Which job ?



Enlightening on Various Jobs- Government or Private Jobs

. He highlighted the importance of identifying career milestones and charting the career path as per the individual needs. He also informed the students about the opportunities available for future growth.

GOVT JOBS – Why? Where?

- WHY
 - The foremost advantage is job security
 - Payment and perks are handsome, in case of Government employees.
 - Pension schemes are provided, in some cases
 - Government employees get numerous holidays
- WHY NOT
 - Possibility of discouraging work environment
 - Payment, in the long run, are comparatively lower
 - Transfer to unfavourable locations
 - Lack of accountability – with regards to most stakeholders
 - Sense of discontentment

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Speaker explains the pros and cons of a Government job

Entrepreneurship is known to be a driving force behind economic growth in recent years. Some of the world's most popular products and everyday items were created by entrepreneurs. They started off as simple ideas that needed a well-organized plan and funding to see it off toward success. There are wealthy business owners that started off with an idea and little or no money.

ENTREPRENEURSHIP

PROS	CONS
<ul style="list-style-type: none"> ○ Work for yourself ○ Freedom in workplace ○ Limitless potential ○ Meet like-minded professionals ○ Control over your work 	<ul style="list-style-type: none"> ○ Never ending TO-DO list ○ Always on call ○ Higher involvement and increased stress ○ Untold sacrifices – personal, financial

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ENTREPRENEURSHIP



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Speaker enlightening the students on Pros and Cons of being an Entrepreneur and gives examples of few Entrepreneurs

In his interaction, he spoke about the Skills required by a successful Entrepreneur. He further encouraged the students to follow their passion according to their skills.

ENTREPRENEURSHIP

- ★ A recent study, "Entrepreneurial India," by the IBM Institute for Business Value and Oxford Economics found that 90% of Indian start-ups fail within the first five years.
- ★ And the most common reason for failure is lack of innovation — 77% of venture capitalists surveyed believe that Indian startups lack new technologies or unique business models
- ★ India filed 50,055 patents applications in 2018-19, while China filed 1.54M and USA filed 597k patent applications
- ★ Over 70% of the patents filed in the country are by MNCs; Indian companies and academia share the remaining 30%.
- ★ Currently, India ranks 52nd on the Global Innovation Index (GI) list, behind Vietnam, Ukraine, Chile and other countries
- ★ India has the ingredients needed to become a global driver of innovation, including market potential, talent pool and an underlying culture of frugal innovation, but "relative weaknesses exist in the indicators for business environment, education expenditures, new business creations and the creative goods and services production."

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Speaker shows the current statistical figures on Entrepreneurship

BCom Jobs

- Specialized Professional Careers
 - Chartered Accountant
 - CPT, IPSS, CA Finals (Including articleship)
 - Company Secretary
 - Chartered Financial Analyst
- Certification based Careers
 - Certified Cost Accountant
 - Certified Management Accountant
- Compensation and Taxation
 - Tax Accounting
 - Corporate Salary Accounts
- Banking and Insurance roles in
 - Commercial Banking
 - Financial Modeling

BBA Jobs

- Managerial Roles in
 - Project Management
 - Product Management
 - Operations, Logistics and Supply Chain
- Consulting Roles
 - Business Analyst
 - Market Research
- Strategy and Business Development roles in
 - Sales
 - Account Management
 - Marketing
- Finance, Banking and Insurance roles, viz.
 - Credit Analyst
 - Wealth Management
 - Derivatives and Commodities Trader

Speaker enlightens the students on higher course for B.com nad BBA students

The session even enabled the students to gain insight about the admission process that is followed for students looking for higher education courses outside India. He also clarified doubts and questions raised by the students.

HIGHER EDUCATION - Abroad

Masters Related Information

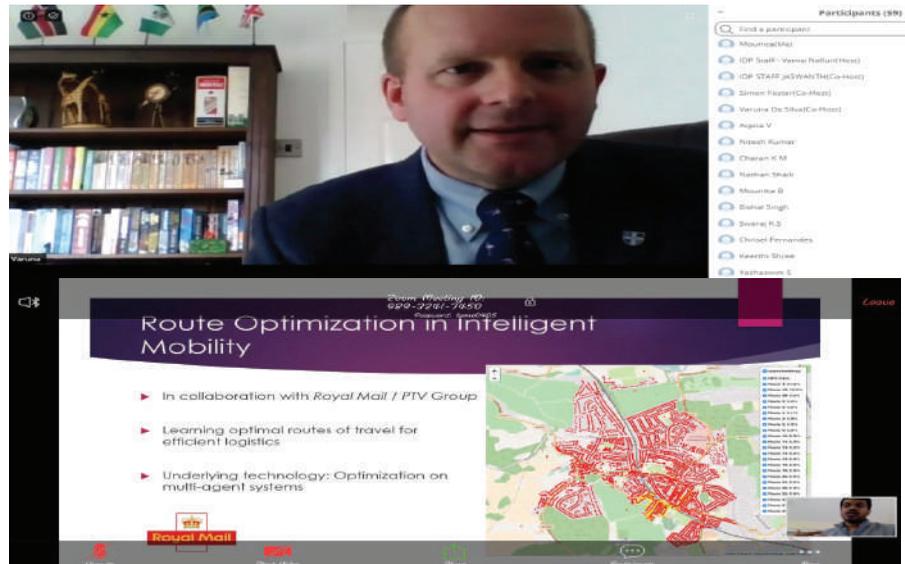
MS Destinations				
<ul style="list-style-type: none"> • USA - GRE/GMAT + TOEFL / IELTS • Singapore - GRE/GMAT • Germany - GRE + TOEFL / IELTS + 2nd level German lang certification (preferred) • Sweden / Switzerland / Netherlands / Denmark / Norway - GRE + TOEFL / IELTS • UK (MSc) / Canada / Australia - IELTS 				
US	Canada	Australia	Singapore	UK
3 Years	Course Duration + 1 Yr	2 years	6 months	3 months
Germany	Sweden	Switzerland	Netherlands	
1 Year	1 Year	1 Year	1 Year	

Speaker enlightens on with higher education abroad

The session enabled students to clear doubts regarding master related information like GRE, GMAT, TOEFL, IELTS etc. He discussed on the techniques in various sections like reasoning, Quantitative aptitude, English, General Awareness etc. Students found this session as informative as well as interactive as it enabled them to know about various exam patterns. This Webinar enabled the students to dispel the doubts and qualms regarding their career.

Webinar on "Latest trends in machine learning"

The department of Information Science and Engineering has conducted Webinar session on the topic "Latest trends in machine learning" for the 4th and 6th semester students on 4th May, 2020. The expert speaker Dr. Varuna De Silva Professor at Loughborough University, London was invited to conduct the same. Speaker is multi-skilled professional with experience in the IT industry specialized with Machine learning, Database, Coding languages and Agile Techniques.



Glimpses of the event

Unlock Your Potential

Objectives:

1. To enlighten the student community the importance of skill development during the critical time.
2. To enable the students to strengthen their carrier goals
3. To help students understand the importance of healthy life style
4. To inculcate the habit of optimism and developing good habit

A guest talk was arranged for II, IV and VI Sem BBA students on topic "Unlock Your Potential" to help them understand the importance of utilizing the lockdown period to improve their overall skillsets, which helps them to meet the requirements of competition.

It was a very interactive session, where the quest asked the students few of the questions like – what are their opinion towards a lockdown? How are they spending the time? How are they keeping themselves occupied?

The speaker also threw light on how the pandemic situation might get worse in the upcoming months of June and July by updating the status of conformed covid-19 cases in India. He also brought to the knowledge of students as to how lives and livelihood has changed during the lockdown period and the measures of state and central government to protect the welfare of its citizens. He also emphasized the status of insufficient medical aids and infrastructure which is making an havoc condition. He also quoted the disheartening situation of migrants and poverty ridden communities.

The speaker then surprised our students with the fact that, the lockdown period is enjoyed the most by " student community". And how government is constantly making an effort to keep the students connected to their curriculum. The tentative plans of government to conduct the classes and examination was also

stressed upon.

Then the most important part of the session was to broaden the knowledge of the student community with respect to the overall impact of the pandemic on the world economy in terms of job opportunities and the future employability of the age group of 21-24 was highlighted with facts and figures. Later, he spoke on the existence of Technical education much earlier than the lockdown, which are the universities serving through virtual platform .and he also emphasised as to how this technical education

The student community was also emphasizes on the healthy lifestyle and habits that can make them more carrier focused and to be optimistic in order to tackle the crisis period. Some of the motivating books like " 7 Habits of highly effective people", " Think and go rich", How to win friends and influence people", were introduced to the students.

Overall, the session really enlightened the reality to the students, and the students queries were answer with lot of patience and dignity.

WORKSHOPS



Online Workshop
on
**“Power Train
and
Electromagnetic
Transients”**
18th & 19th May, 2020

Organized by
Department of
Electrical and Electronics Engineering

In Association with
pwsim
SOLUTIONS FOR ELECTRIFICATION
www.newhorizonindia.edu

Dr.Ramkumar, S, HOD EEE and department has Organized a two-week FDP programme namely “Research Perspectives on Power Converters, Controls and Hybrid Integration of Renewable Energy Sources”, from Feb 17, to Feb 28,2020.

Dr.Ramkumar, S, HOD EEE and department has Organized a STTP namely “The Role of IoT in Renewable Energy Resources Integration to Electricity Grid”, from Feb 17, to Feb 21,2020.

ORGANIZED

Prof. Satish Kumar.D and Prof. Mohan Das department of Electrical and Electronics Engineering, NHCE-Bangalore, organized Two days Online Workshop, on 18th& 19th May-2020, in association with PWSIM Engg. Solutions Pvt Ltd.

Resource Persons are from PWSIM Engg. Solutions Pvt Ltd.

Workshop Delivery: GoToMeeting + YouTube Live

Topics Covered during this Workshop: Concepts of Power System, Electromagnetics and Power Electronics using these software: EMTP, JMAG, PSIM, POWER Forge (Hands-on)

Number of Participants attended this virtual Workshop: 438.

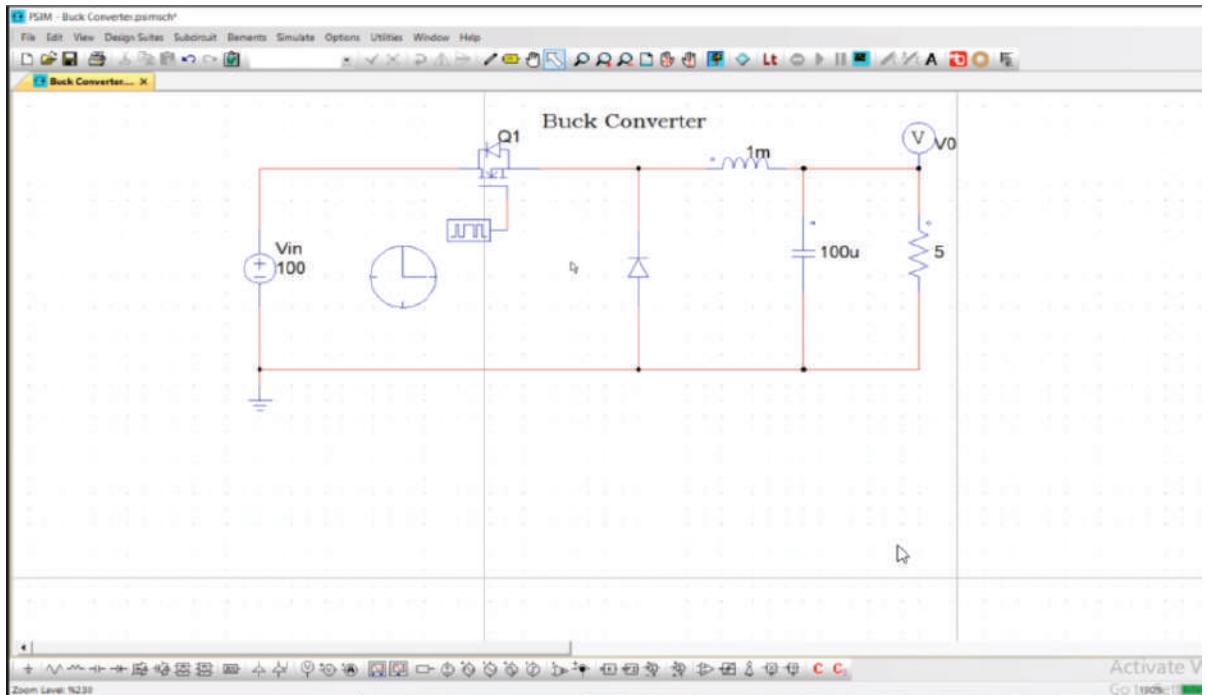


Photo: Hands on Virtual Training for Buck Converter Simulation Using PSIM Software

STAFF ARTICLES/ PUBLICATIONS

Dr.Ramkumar, S, HOD EEE has published “Crowded Plant Height Optimization Algorithm Tuned Maximum Power Point Tracking for Grid Integrated Solar Power Conditioning System,” IET Renewable Power Generation, vol.13, no.12,2019, pp. 2137-2147.(Impact Factor 3.605).

Dr. Ramkumar S,HOD EEE has published “Power Quality Analysis of Three Phase Voltage Source Inverter using various SVPWM switching schemes”, International Conference on Innovative Research in Engineering, Management and Sciences (ICIREMS 2019), Bengaluru, 19-21 Dec. 2019.Proceedings of the Conference will be published in a Scopus Indexed Journal.

Dr. Ramkumar S,HOD EEE has published “Implementation of Double Loop Controller Tuned Super Lift Luo Converter and Unipolar Inverter for Solar Fed Grid Application”, International Conference on Innovative Research in Engineering, Management and Sciences (ICIREMS 2019), Bengaluru, 19-21 Dec. 2019.Proceedings of the Conference will be published in a Scopus Indexed Journal

International Journal of Scientific Research in Science, Engineering and Technology © 2020 IJSRSET | Volume 7 | Issue 2 | Print ISSN: 2395-1990 | Online ISSN : 2394-4099 DOI : [https://-](https://doi.org/10.32628/IJSRSET207241)

doi.org/10.32628/IJSRSET207241 “Design and Development of Cleaning System for Cups Using PLC” Mr. Vinod Kumar S, R. Mohan Das Department of Electrical & Electronics Engineering, New Horizon college of Engineering, Bengaluru, Karnataka, India

Intelligent controller based on emotional learning of the brain for the PMBLDC motor drive system in industrial applications – Dr.B. Gunapriya published in e-Proceedings of First International Conference on Automation, Signal Processing, Instrumentation and Control-iCASIC-2020 organized by School of Electrical Engineering at Vellore Institute of Technology, Vellore.

Impact of Anti-Windup PI controller on BLDC Motor Drive System- Dr.B. Gunapriya has published in e-Proceedings of First International Conference on Automation, Signal Processing, Instrumentation and Control-iCASIC-2020 organized by School of Electrical Engineering at Vellore Institute of Technology, Vellore.

Dr.B.Gunapriya's research paper has been accepted in BIOSCIENCE BIOTECHNOLOGY RESEARCH COMMUNICATIONS Special Issue entitled, "Advancement of Electrical, Information and Communication Technologies for Life Application", 15.05.2020

STAFF ACHIVEMENTS

Dr. Ramkumar S, HOD EEE has submitted a research proposal on title "Artificial Intelligence (AI) based Reconfigurable PV-Battery AC Micro Grid System for rural and Smart City Electrification" to Vision Group on Science And Technology (VGST), Department of Information Technology, Biotechnology & Science & Technology, Karnataka Government Secretariat (Grant Value: 30 Lakhs)
Status: Under peer review

Dr. B. Gunapriya has participated in the Online Webinar and online Examination organized by Atal Incubation Centre-Pondicherry Engineering College Foundation titled "How to Conduct Online Class to Students" followed by an

online Examination conducted on 09-04-2020 and secured "S" Grade.

Prof. Muni Prakash has Participated and scored 90% in a "National level Technical E Quiz on Electrical & Electronics Fundamentals" organized by Sir Issac Netwon College of Engineering & Technology on 26/05/2020.

Prof. Muni Prakash has Participated and secured good marks in a "Online Technical Quiz in Electrical Engineering (CT, Electrical Machines, Control Systems, T&D)" organized by RVS College of Engineering and Technology on 27/05/2020.

STAFF ATTENDED FDP / WEBINARS/ WORKSHOP DETAILS

Prof. Mohan Das and Prof. Vinod Kumar S has attended Five days FDP "Technological Advancement in Power System Control, Power Controllers, Drives & E-Vehicles - TAPPAD 2020" from 27.04.2020 to 1.05.2020 at Dr. NGP Institute of Technology Coimbatore.

Prof. Mohan Das has attended FDP on "4.05.2020 and 06.05.2020 at Jeppia Institute of Technology Chennai. Also Emerging trends in industrial Automation date 01.05.2020 by Sri Eshwar College of Engineering Coimbatore.

Prof. Vinod Kumar S has attended five days FDP on "Role of IOT, Embedded, Electric Vehicle & power converters for Smart world" from 18.05.2020 and 22.05.2020 at St. Joseph's college of Engineering Chennai

Prof. Satish Kumar. D - has attended ATAL Online FDP on "Artificial Intelligence" - 30/04/2020 to 04/05/2020.

Prof. Rashmi N, has attended national level FDP on Decoding examination during and post COVID 19 on 8.5.2020 organized by Skillslate, via online Zovy studios, Pune

Prof. Deepa V Bolanavar, has attended FDP Research opportunities in Electrical Engineering and its Applications from 18.5.2020 to 23.5.2020 organized by P.S.R College of Engineering Sivakashi, via online.

Prof. Muni Prakash has attended a FDP on "COVID - 19 **Pandemic:** Strategies for Effective Work Life Balance of Academicians" organized by Karpagam College of Engineering on 4.5.2020. Also on Introduction to Nanosensors organized by IEEE IAS SBC Jawaharlal College of Engineering as a part of COMET, an SBC initiative of IEEE IA/IE/PELS Joint Chapter Kerala on 05/05/2020, via online.

WORKSHOP ATTENDED

Prof. Rashmi N and Prof. Mohan B.S has attended two days Workshop on "Research Methodology" organized by Cambridge Institute of Technology, campus from 13/03/2020 to 14/03/2020.

Dr. B. Gunapriya, has participated online FDP ON 'Project Proposal Writing' held during 08-09, May 2020, Velammal Engineering College, Chennai.

Dr. B. Gunapriya has attended short term course on Renewable Powered EV- Station- Sponsored by NaMPET PHASE III - CDAC and organized by NIT CALICUT on 10.03.2020 to 14.03.2020

Dr. B. Gunapriya has participated 5 days' on line workshop on "Design Analysis and Application for power electronics

converter" from 11th to 15th May 2020. BMS COLLEGE, BANGALORE. Also participated IGEN ENERGATHON -Virtual Conference ENERGATHON 2020, 2nd May 2020. 9.30am to 23.06 pm

Prof. Satish Kumar. D has participated online Workshop on "Book & Article Publishing and SpringerLink Platform Demonstration" on 22/04/2020 and also attended International Tech Conclave (ITC-2020) from 26/04/2020 to 30/04/2020.

Prof. Muni Prakash has attended an online workshop on "Writing a Competitive Research Grant Proposal" organized by SJC Institute of Technology, with collaboration of IEEE Bangalore section on 27/04/2020.

Prof.Satish kumar, Prof.Rashmi N, Prof.Mohan B.S has attended Webinar on "Research paper writing for scientific journals" on 22.5.2020 presented by Dr.Ramesh, Vice principal, KIT college, Coimbatore.

Prof. Deepa V Bolanavar, has attended Art of writing research paper on 13.5.2020 organized by M.A.M College of Engineering and Technology Thiruchinapalli, via online.

Prof. Deepa V Bolanavar, has attended Energy 4.0 and the

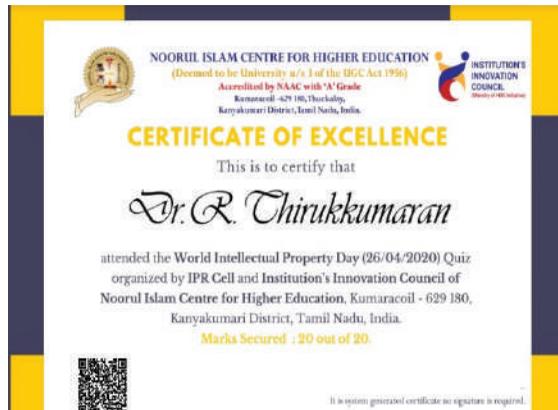
way forward Post COVID on 16.5.2020 and Substation Automation System on 17.5.2020 organized by Amrita Vishwa Vidhyapeetham Bangalore, via online.

Prof. Muni Prakash has attended Webinar on "Emerging Trends on Industry Automation" organized by Sri Eshwar College of Engineering on 01/05/2020. Also on "Smart Grid" conducted by IEEE SB Jawaharlal College of Engineering & Technology on 29/04/2020.

Achievements

Faculty Achievement

Computer Science Department Faculty Member Dr. Thirukkumaran has secured 20/20 in World Intellectual Property Day Quiz conducted by IPR Cell and MHRD Institutions Innovation Cell of NI University.



Student Achievement

Fourth semester Computer Science and Engineering students have won I(Ms. Kundana), II(Ms. Madhura) and III position(Ms. Yagna) (in a row) in the programming contest Blind coding organized by Dept of Computational and Data Sciences, IISc, Bangalore during the Open Day 2020 on 29-Feb-2020.



"Lowe's Campus Challenge 2020"



LOWE'S announced its first ever campus hackathon challenge in Feb. 2020

Around 1000 teams from across the country including NIT's and top Engineering institutions participated in the challenge comprising of 3 rounds.

22 teams including 5 teams from NHCE were shortlisted for the final round. 4 teams were finally selected. Proud to share that 2 teams from NHCE are amongst the winners. NHCE bagged the 2nd place (Rs. 1 lakh cash prize) and 3rd place (Rs. 50,000 cash prize).

The students, Nithya, Ashwin and Karthik from ISE Department have won the 3rd place.

Our students have taken NHCE to the next level in this All India Lowe's India Campus Challenge 2020. Hearty congratulations to the winning teams who have made NHCE proud.

Lowe's Campus Challenge 2020. LOWE'S is a Fortune 50 product company. LOWE'S announced its first ever campus hackathon challenge in Feb. 2020. Around 1000 teams from across the country including NIT's and top Engineering institutions participated in the challenge comprising of 3 rounds. 22 teams including 5 teams from NHCE were shortlisted for the final round. 4 teams were finally selected. Proud to share that 2 teams from NHCE are amongst the winners. NHCE bagged the 2nd place (Rs. 1 lakh cash prize) and 3rd place (Rs. 50,000 cash prize). Second place winners were 1. Divya S 2. Lakshmi M S 3. Aishwarya Kadali .Below 2 teams of CSE 3rd year reached the top 22 final list out of 1000 team.

Team 1:
Akshay
Anurag
Abishek

Team 2:
Jehan
Aayush
Bishal

students of 3rd year CSE branch.
Team LAD Hackers - 2nd prize



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