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A MONTHLY NEWSLETTER BY

NEW HORIZON COLLEGE OF ENGINEERING

JAN 2021



YEARS OF EXCELLENCE IN EDUCATION

Alumni Talk

BUSINESS INTELLIGENCE-DATA WAREHOUSING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Presents

ONLINE ALUMNI TALK

BUSINESS INTELLIGENCE-DATA WAREHOUSING

CONVENOR
Dr. Sanjeev Sharma
HOD-ECE

COORDINATOR
Ms. Ishani Mishra
Senior Assistant Professor

16th Jan 2021 @10:30AM - 11:30AM

SPEAKER
ABHIJAN MITRA
BI Application Developer @ NTT DATA
(NHCE, Batch 2014-2018)

Development, Continuous Integration, Continuous Testing, Agile Techniques, Metrics, Monitoring, Alerting, Reporting, Data Warehouses, Lakes, Data Sandboxes, Data Science Tools, Reports, Dashboards, Models, Business Intelligence Tools, Data Catalogs, Auto ML Platforms, Embedded BI, Computing Infrastructure, Data Lineage, Data Governance, Data Collaboration, Data Security, Transformation, Container Management Software

Department of Electronics and Communication Engineering conducted an International online alumni talk on **"BUSINESS INTELLIGENCE-DATA WAREHOUSING"** on 16 th January 2021. The speaker, Abhijan Mitra, is an alumni of ECE department (Batch-2014-2018). He is currently working as BI Application Developer @ NTT DATA GDS with 2+ years of experience. He majorly works with data, business data, interpreting and modeling it according to the business requirements and creating useful and meaningful visualizations for the business end-users using Data Virtualization Tools. The audience was III sem students. The session started with introduction to business intelligence i.e transformation of raw data into meaningful and useful information for business purposes. The alumni discussed about business management issues, data warehousing, operational source systems and data access tools. Students interacted with alumni at the end of the session by taking suggestions and clarifying doubts on data warehousing. The session was overall very informative.

5 Days Workshop

Research Conclave on Power Electronics

The Department of Electrical and Electronics Engineering has organized 5 days Workshop. This workshop is to kindle the research minds towards innovation. This Conclave also intends to provide an opportunity for young researchers in the field of Electrical Engineering for adoption and enhancement of recent advancements and Research in Power electronics. The online workshop is going on with good feedback from the participants.

SPEAKERS OF CONCLAVE

- OPTIMIZATION TECHNIQUES IN ELECTRICAL ENGINEERING**
Dr. A. Soundarajan
Associate professor,
PCC College of Technology, Coimbatore
- RESEARCH ASPECTS IN POWER QUALITY**
Dr. C. Subash kumar
Associate professor,
PCC Institute of Technology & Applied Research, Coimbatore
- IoT & SECURITY FOR SMART GRID APPLICATION USING POWER ELECTRONICS**
Mr. S. Subramaniam
Head, Engineering & Design,
Power projects, Chennai
- DESIGN OF HYBRID DISTRIBUTED GENERATION FOR EV CHARGING**
Dr. M. M. Rajan Singaravelan
Assistant Professor,
IIT Tirunelveli
- RECENT TRENDS IN POWER ELECTRONICS & DRIVES**
Dr. P. T. Posh
Assistant professor,
Kannur University, Coimbatore
- RESEARCH CHALLENGES IN RENEWABLE ENERGY SYSTEMS**
Dr. V. Karthikeyan
Assistant professor,
NIT Calicut
- "MULTILEVEL INVERTER" RESEARCH PERSPECTIVES**
Dr. M. Kalliammoorthy
Associate Professor,
Dr. Mahalingam College of Engineering & Technology,
Pollachi
- POWER ELECTRONICS-A LINCHPIN TO MATERIAL FINISHING PROCESS**
Dr. Arunaglaandhan
Associate Professor,
Dayananda Sagar University, Bangalore
- POWER TECHNIQUES-A RESEARCH PERCEPTIVE**
Dr. E. Chandrasekaran
Professor, Coimbatore Institute of Technology, Coimbatore
- RESEARCH OPPORTUNITIES IN WIRELESS CHARGING SYSTEMS IN ELECTRICAL VEHICLES**
Dr. C. Bharatiraja
Associate Professor,
SRM Institute of Science & Technology, Chennai

ABOUT RESEARCH CONCLAVE :
The research conclave is organized to kindle the research minds towards innovation. It aims to provide a gateway for scholars to get the ideas to pursue their research successfully. The conclave also intends to provide an opportunity for young researchers in the field of Electrical Engineering for adoption in EV charging, Electrical vehicles and renewable energy systems.

ELIGIBILITY:
This programme is open to the faculty members of Electrical and Electronics Engineering, Research Scholars, People from Industry and allied branches of Engineering & Basic Science Departments of AICTE approved Engineering Colleges.

'Research is to see what everybody else has seen and to think what nobody else has thought.'

Note: E-certificate will be issued to the participants who have attended the program for all sessions.

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U-Create Club

Logo Design Competition

The Department has initiated a new student club called **"U- Create"**.

To stimulate lateral thinking, inculcate creative and innovative thoughts among the young budding engineers for the enhancement of society. As the club is a new initiative from the department. The club needed a logo, to exemplify the club objective. In this regard, a Logo Design competition was scheduled for a week in the month of January 2021. Winner prize amount of 500 rupees.

The participants of the Logo Design Competition are listed below

- 1) Ms. Sanskriti Agarwalla
- 2) Ms. Likitha J
- 3) Mr. Ashu Anand
- 4) Mr. Hemanth GN
- 5) Ms. Harshitha R
- 6) Ms. Rachna Palli
- 7) Mr. Abhisek Bedant

The department shortlisted the winner as Ms. Rachna Palli from 2nd Year EEE. The prize amount Rs. 500/- was handed over to the winner on 19th January 2021 by Dr. M. Mahesh, HoD, Dept of EEE. On behalf of the U-Create Club, The faculty Coordinators Dr. A. Singaravelan and Mr. Mohan BS thank all teaching staff, club members, and participants for making this event a grand success.

NEW HORIZON COLLEGE OF ENGINEERING

Logo Design Competition for U-Create Club

The winner Ms. Rachna Palli from 2nd Year EEE.

The prize amount Rs. 500/- was handed over to the winner on 19th January 2021 by **Dr. M. Mahesh, HoD, Dept of EEE**. On behalf of the U-Create Club, the faculty Coordinators **Dr. A. Singaravelan** and **Mr. Mohan BS** thank all teaching staff, club members, and participants for making this event a grand success.

UCreate Club

UCreate Club

AICTE Sponsored(STTP)

THE ROLE OF IOT IN RENEWABLE ENERGY SOURCES DRIVING ELECTRICAL POWER GRIDS

The Department of Electrical and Electronics Engineering organized **AICTE Sponsored STTP Phase-3** for six days. The IoT devices in renewable energy management are used to monitor and control manually or automatically to manipulate the electricity production. The objectives achieved in the STTP are:

- the knowledge on IoT based renewable energy management and on the Smart Grid automation using IoT.
- the latest technology on the power demand & management using IoT.
- the research tools used for the implementation of recent trends on renewable energy management & utilization, which inspired the participants to do research on the IoT focusing on the Electricity grids.



The faculty members of Engineering Institutions, Universities, Research Scholars, Industry persons attended online STTP sessions at Morning 10AM to 12PM and Afternoon Session 2PM to 4PM via Google meet app.

The Organizers Mr.Satishkumar D, Dr.Prabhakaran and Mrs. Rashmi N are successful in conducting this STTP with positive feedback and all the participants were provided with the E-certificates.

Smart Grid Technologies for Energy Efficiency & Active Demand Side Management Phase II : The Role of Smart Grids on Loss Reduction and Rural Electrification

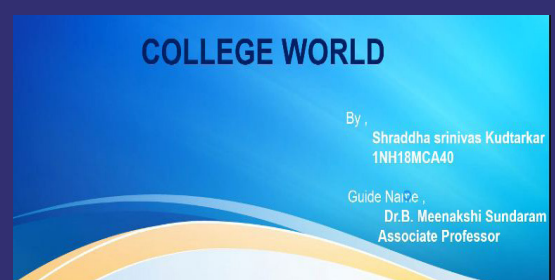
The Department of Electrical and Electronics Engineering organized an AICTE Sponsored Online Short-Term Training Program for six days.

It was conducted in a grand successful manner with a positive impact from all the participants. Around 12 resources persons from various prestigious institutions in and around India have delivered their lectures on the area of Smart grid on loss reduction and rural electrification. This Short-Term Training Program acted as a platform to train the trainers on Smart Grid Technologies to help the students to have successful careers in the Smart Grid industry.



Mini Project Exhibition

The mini project exhibition was carried out to showcase the project developed by 3rd and 5th sem MCA students.



National Engineering Leadership Cadre for Public Service / Corona Safe Engineering Fellowship



Apurva Nagar, third semester student of Information Science and Engineering Department selected to National Engineering Leadership Cadre for Public service / Corona Safe Engineering fellowship, a national program to identify the top students in software engineering for an industry-led training to become full-stack developers and volunteer as the national engineering leadership cadre for public service.

He is one amongst the top 24 Indian students selected from 50,452 participants country wide. Hearty Congratulations to our young achiever

Short Term Training Programme

Department of Mechanical Engineering, New Horizon College of Engineering, organized an AICTE sponsored Short Term Training Programme on "Hybrid Renewable Energy systems and Waste to Energy".

Day 1 session 1 speaker Dr. M S Ganesha Prasad, Dean, Professor and HoD-ME, NHCE shared his view about R&D and technological innovation in energy sectors in india for sustainability & employability. Day 1 session 2 speaker B. Rathnakara shastri , explained thermal heat pump and water solutions.

Day 2 session 1 speaker Dr. Y Rajashekar gave insights on Hybrid energy systems, day 2 session 2 speaker Dr. A. Immanuel Selwynraj spoke about Studies on solar hybrid steam injection gas turbine cycle for indian conditions,

Day 3 session 1 speaker Suresh Nanjaiah spoke about wind energy and wind solar hybrid power generation, Day 3 session 2 speaker Prasanna S Joshi spoke about solar roof-top solutions.

Day 4 session 1 speaker Dr. Raju. B. R. spoke about energy system and waste to energy challenges, Day 4 session 2 speaker Dr J Prasanth Ram spoke about PV modeling and its re-configuration schèmes, Day 5 session 1 speaker Prof. M Ravi Kumar spoke about parameters effecting the setting up of the wind turbine.

Day 5 session 2 speaker Mr. Avinash K R spoke about new dimension to solar powered irrigation, Day 6 session 1 and 2 speaker Dr. Suresh H Jagnamshetty spoke about site matching of wind turbine generators. So

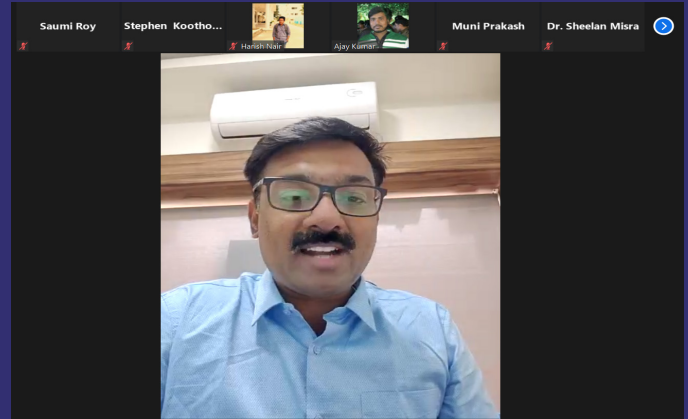
6 days STTP program was useful to research scholars and faculties from NHCE and also various institutes.

NEW HORIZON COLLEGE OF ENGINEERING 50th Golden Anniversary
Department of Mechanical Engineering
Presents
AICTE
AICTE SPONSORED ONE WEEK SHORT TERM TRAINING PROGRAMME
on
“HYBRID RENEWABLE ENERGY SYSTEMS AND WASTE TO ENERGY - THE CHALLENGES AND SUSTAINABLE DEVELOPMENT”
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Scan for More Details
28th December 2020 - 02nd January 2021

Business Post Pandemic

A Sector-wise Analysis and Management

A Session on Business Post Pandemic was organized by Department of Management studies as a part of foundation programme for the 1st semester students. Mr. Vasanth Adithya.J practicing advocate at the High court of Karnataka and founder of Kreetam Law Associates was the expert speaker of the session. He spoke about sector wise analysis and management ethics in the corporate world and explained students about legal issues concerning with different sectors. All queries were answered through Q&A session .The Session was very helpful for students to understand the corporate world post pandemic.



Marketing in Digital Era

A guest lecture on Marketing in Digital Era organized by the Department of Management Studies was conducted by Mr. Adarsh Navale. He is working as a Head PR Department, New Horizon College of Engineering at present. His area of expertise are Branding Marketing and PR.

The session was conducted as a part of the Foundation program for the 1st Semester Students in order to address them the need and relevance of marketing in the current scenario of digitalized world.

He indulged students to areas of study such as:
Digital Marketing
Social Media

The lecture will not just benefit students in understanding about Marketing in the current digital era but also exploring the various career opportunities that they could look forward to in near future.

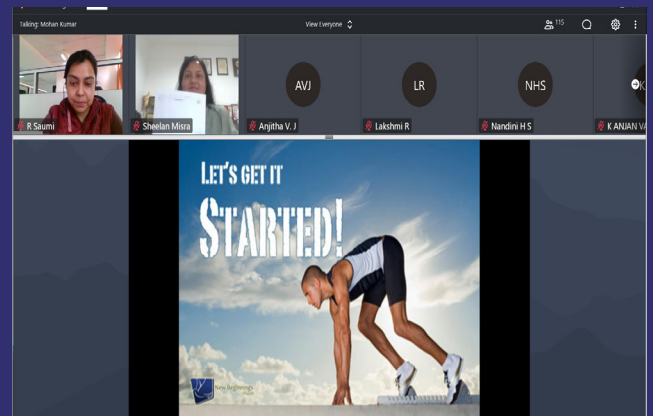


Business Analytics

With Industry Expectations

The Session on Industry expectations on Business Analytics was organized by Department of Management Studies as a part of the Foundation program for the 1st semester students.

Mr. Mohan Kumar was the expert speaker for the session. He is working as a Practice Head for Wipro limited. His areas of expertise is in digital technologies ,deeply engaged with competency development and enabling hyper scale cloud practices, a Campus Ambassador and holds pre-placement talks. He introduced students with Business Analytics, Bigdata and its implementation in different sectors . The session was quite informative and motivated the students to exploit the various opportunities that they could look forward in the near future.



Harvard Business School

Online Certification for Alumni

New Horizon College of Engineering in collaboration with Harvard Business School Online, A Unit Of Harvard Business School (HBS), Boston – US, offers students and Alumni an exceptional and enriching learning experience. In view of this, Department of Management Studies addressed its Alumni on the certification course offered by Harvard Business School.

The speaker for the session was Dr. Samir Karkhanis, CEO of Yangpoo Education. The session was organized with an objective of gaining data literacy and hands-on practice interpreting data and implementing analyses in Excel. The speaker also emphasized how business analytics will help to demystify data and strengthen one's analytical skills. The certification course would begin with basic descriptive statistics and progress to regression analysis and apply fundamental quantitative methods to real business problems.

The poster is titled "STUDENT PRIVILEGES" in large, bold, black letters. Below it, in a red banner, is the text "INVITATION" followed by "How Harvard Business School Online can help you #StayRelevant". Underneath, it says "Know about exclusive benefits and scholarships for New Horizon Students". The poster features two circular portraits: Sheelan Misra on the left and Dr. Samir Karkhanis on the right. Below each portrait is their name and title. At the bottom left, it says "POWERED BY Yangpoo Executive Education". At the bottom right, there is a red button that says "Register Now". Logos for New Horizon College of Engineering and Harvard Business School Online are at the top.

NEW HORIZON COLLEGE OF ENGINEERING 50th Anniversary

In collaboration with **Harvard Business School Online**

STUDENT PRIVILEGES

INVITATION

How Harvard Business School Online can help you #StayRelevant

Know about exclusive benefits and scholarships for New Horizon Students

Sheelan Misra
Head - Department of Management Studies,
New Horizon College of Engineering

Dr. Samir Karkhanis
CEO,
Yangpoo Education

POWERED BY **Yangpoo** Executive Education

[Register Now](#)

MBA Induction Programmer 2020–21

A journey of a thousand miles begins with a single step. The new beginning for all MBA students started on the very first day of induction program on 18th January, 2021. The dignitaries present on the occasion were Dr. Manjunath, Principal, NHCE, Chief Guest Mr. Jacob Jose, Managing Director, Methods (India) Private Limited and Dr. Sheelan Misra, Prof & Head – MBA, NHCE. The Induction Programme began with registration followed by welcoming dignitaries.

With a hope that darkness, the enemy of knowledge disappears and the world enlightens with wisdom, our Induction program began with lighting of the lamp. The objective of this program was to acclimatize the students to the new environment and get them acquainted with the institution culture.

As an integral part of Induction programme and to furnish exposure to industrial environment, The speaker addressed the students emphasizing on the key to realize a dream is to focus not on success but significance, and then even the small steps and little victories along your path will take on greater meaning. The Speaker

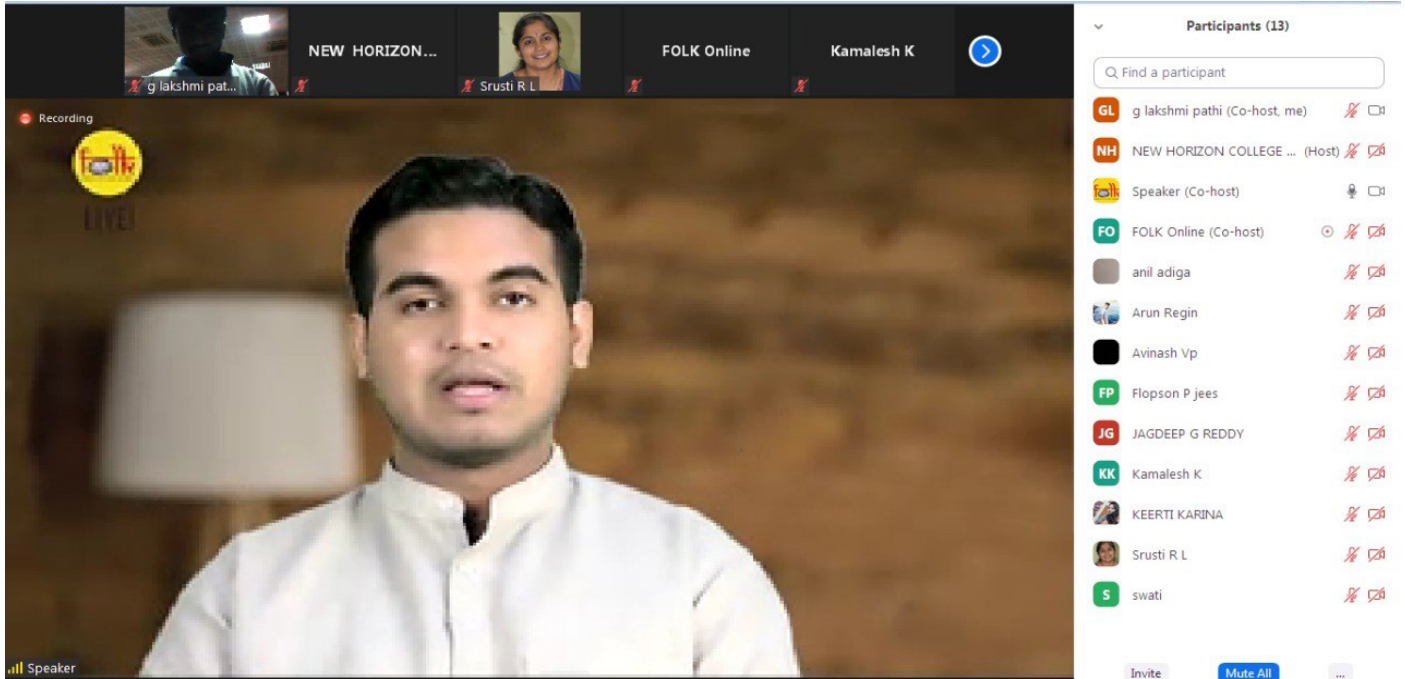
highlighted on his leadership journey and the various dimensions of industry.

Dr. Sheelan Misra, Prof & Head – MBA addressed 1st sem students by giving an overview of the 2 year PG programme. Programme concluded with National Anthem.



Value System and Ethics

A session on value system and ethics The session was organised by the department of management studies as a foundation program for the 1st semester students. Sri Vallabha Chaitanya dasa, a youth guide at Akshaya Patra Foundation and digital marketer in folk bangalore which is a young wing of Iskcon. The speaker addressed the students on values and ethics in life , teachings of krishna depicted in Bhagavad Gita. The session was overwhelming and passionate for the young minds to grow as a better person. It was also informative and the students thoroughly enjoyed it.



Be A Hero Inspirations from Swami Vivekananda

The Department of Management Studies organized a Guest Lecture, Be A Hero – Inspirations from Swami Vivekananda on his 158th Birthday Anniversary also observed as **“National Youth day”**.

The guest speaker was Mrs. Meera Balaganesan Co-ordinator from Disha Bharat.

The speaker has more than 13 years of experience in IT Industry and a certified soft skills trainer and inspired 145+ students through her immense knowledge and wisdom from Swami Vivekananda's life stories.

- The objective of the program was to spread the powerful thoughts of Swami Vivekanand among young students.
- The expert speaker Mrs. Meera Balaganesan illustrated various life principles of Swami Vivekanand to motivate students with his creative thoughts and presentation.
- The students were made aware of the relevance and strength of principles of Swami Vivekanand even in the present times.

This program helped us in knowing his life and his contribution towards his nation at a global level , a Great Indian Sage, A Scholar and A Philosopher who inspired the Youths of NHCE with great motivation to accept the challenges of life and make progress.



Future Skills Prime

A MeitY and NASSCOM Skilling Initiative

The session on Future skills Prime .A MeitY and NASSCOM skilling initiative was held by the department of Management studies to help students enhance their skills. There were three eminent speakers in the session Ms. SRIDEVI SIRA National lead at Future skills Prime for Academia NASSCOM , Ms Swathi Saini National Program Co-Ordinator education and skilling NASSCOM and Mr. Dinesh Kumar panigrahi, Regional head at IT-ITES, sector skills council at NASSCOM addressed the students and gave information about Future skills Prime initiative and how students can use it to enhance their skills. The session was informative and helpful for the students to enhance their skills in different fields.



Road Map for becoming a Potential Management Professional , Etiquettes and Resume Building



This session was conducted by Mr. Binod Kumar Singh and Mr. Anis Mirza, from HRD Department. They had an experience of 30 years, helping every student to improve their resume building capability. The aspect of resume was later followed by

- Career objective
- Professional qualifications
- Computer proficiency
- Internship/Project
- Skills
- Hobbies and Activities
- Personal details

They mentioned about DO's and DONT's and also sample e-mail letters after short listed. They concluded with clarifying queries.

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