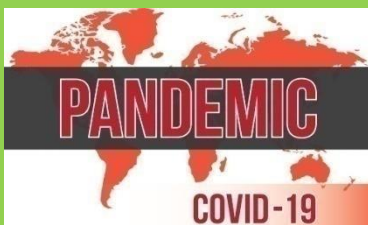


In this issue

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Your attitude is like a price tag, it shows how valuable you are.

Education is the most **POWERFUL WEAPON** which you can use to change the **WORLD**.



TECHORIZON 2020



New Horizon College of Engineering organized **National Level Project exhibition TechHorizon 2020** from **22nd to 29th June 2020**. Mr. Rajendra Y D, from UniABROAD, Overseas Education Consultants was Guest of Honour. Around **200+** final year engineering projects were participated in **ONLINE project exhibition**. Good number of institutes from state as well as outside Karnataka were part of this mega event. Jury members were from the reputed organizations and NHCE alumni association.

Online Alumni Talk

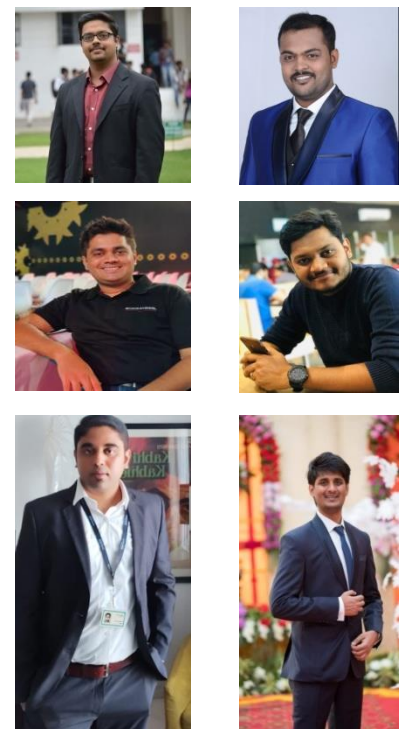
on

“Past, Present and Forecast of Job Opportunities at the effect of COVID – 19”

The Webinar on **“Past, Present and Forecast of Job Opportunities at the effect of COVID – 19”** was conducted by Department of Mechanical Engineering, NHCE dated on **06th June 2020**. The webinar started at 11:00 AM. Dr. M. S. Ganesha Prasad, Dean, Professor & HoD – ME welcomed the Alumni and participants. All the alumnus introduced to themselves and shared their experience of getting a job and the way they groomed in getting into their respective position. Explained the current scenario regarding job market and as giant companies are planning to shift their manufacturing units from China to India there is a great opportunities for Mechanical Engineering aspirants. Suggested students what to and how to prepare themselves as per the requirement of job market.

Students were very much involved and there was a healthy discussion between alumni and the students regarding the opportunities for higher studies here after and many more.

At last alumni's expressed that they were happy for being apart of this event and the webinar was finally concluded by Prof. Manjesh B C, Sr. Asst. Professor & Alumni Officer.



Technology is the word that describes something that doesn't work yet

How to customize online learning for different kinds of students?

Dr M S Ganesha Prasad, Dean, Professor & Head of Dept. of Mechanical Engineering, New Horizon College of Engineering says there is considerable difference between learning styles of students in offline mode and online mode. He delves deep into how can teachers customize their classes to improve learning curve.

By D Tejaswi

Teachers have a great mission to ignite the minds of the young said Dr A P J Abdul Kalam, Former President, Govt. of India. Inspiring young minds may be possible if one can synchronise with the learning frequency/ understanding frequency of Young minds. Younger generations can be inspired either through online or offline teaching / engaging them with reasonable time. One of the studies says that to build strong knowledgeable society students are to be engaged either through online or offline at least thirty three percent per week time.

Learning management system (LMS) is a system which allows teachers and students to connect either asynchronously or synchronously with interaction between teacher and students occurring intermittently with a time. An online classroom is an environment created through use of any LMS system either in real time or with offline chat/messaging services.



During this pandemic period, across India all the higher education institutions engage students only through online mode of teaching. With this method of getting connected to student's community, faculty members must know how best they can transfer their knowledge to student's community. Learning efficiency of a student will increase only if faculty member synchronise with his / her teaching style with students frequency.

If we take any course particularly for engineering programs, normally the course will be completed around 55 Hrs. This may be applicable during offline teaching. But during online teaching, either experienced or inexperienced faculty may complete the same course with little more time. This is mainly to understand the learning progress of the students. As faculty members need to take good number of quizzes or need to collect good number of online assignments for understanding students learning ability. Depending on the surprise quizzes faculty can take a call, whether they can slowdown or maintain standard teaching time in LMS.

There is good number of surveys conducted by reputed agencies in understanding different types of students. These categories are done on the basis of their learning styles. There is considerable difference between learning styles of students in offline mode and online mode.

During offline mode, the learning can happen from Faculty - to - student, student - to - student (peer learning that is either through peer support groups, peer teaching, peer tutoring, or peer-assisted learning).

For an average student learning through Faculty will happen at least 80 percent and learning from student - to - student will be of 20 percent.

Planning & Execution of Project Work for Under Graduate Studies An Overview: Dr....

Articles The Education Paper - July 29, 2020

0

For under graduate programs each and every student during their final year needs to do a project work. The final year project is the final phase of the degree program - it gives students a chance to demonstrate all they have learned until final year. To evaluate their project students submit final reports of their progress and final results to the respective authorities, and give in- person presentations and demonstrations of their work. The project report is an important document for the students for next few years (at least 5 to 6 years), because most of the best higher education institutions / Research organizations in India and abroad will definitely look into the contents before allotting the competent projects during their higher studies / research work. Also during recruitment good number of "product based companies" in India and abroad definitely tries to understand the value addition of a student in doing the final year project. Students can also use this document to submit to the funding agency if they wanted to start their own start-up initiatives. So by considering these futuristic opportunities students must and should give maximum commitment in executing the project.


A project is complete only when it starts working for the owner, rather than owner working for the same. In starting any project of their program the leader of the team has to involve the team members as much as possible and being the team leader he / she needs to respect the ideas and views of the other members of the team. As mentioned by Amy Poehler "As you navigate through the rest of your life, be open to collaboration. Other people and other people's ideas are often better than your own."

Amy Poehler might be better known as a comedian and actress, but what she has to say about teamwork applies to project management. Project of any type or any scale is a collaborative art. When we believe an actor or laugh at a comedian, it's not just a good script and fine direction that elicits a response. It's that the people who bring the words to life are doing so as a team. There are no stars. There is only the whole experience made successful through ego-less teamwork.


Brainfeed Higher Education Plus - July 2020

Webinar


SPEAKERS



Prof. Gangadhar Immedi
Asst. Professor
Department of ISE, NHCE



Prof. Vinayak Balehittal
Asst. Professor
Department of ME, NHCE



DEPARTMENT OF **MECHANICAL ENGINEERING** &
DEPARTMENT OF **INFORMATION SCIENCE AND ENGINEERING**

Presents,

INTRODUCTION TO DATA SCIENCE & MACHINE LEARNING

CONVENERS

Dr. M.S. Ganesha Prasad
Dean & Head
Department of ME, NHCE

Dr. R. J. Anandhi
Professor & Head
Department of ISE, NHCE

COORDINATOR

Prof. Santeek A N
Sr. Assistant Professor
Department of ME, NHCE
Ph: +91 8792104434

E-CERTIFICATES WILL BE PROVIDED FOR THE REGISTERED PARTICIPANTS

DATE: 22 JUNE 2020 | TIME: 09:00 AM to 05:00 PM

REGISTRATION LINK: <https://forms.gle/2wLq6XIUD8jpPFLr5>

AGENDA

INTRODUCTION TO DATA SCIENCE & MACHINE LEARNING

TOPIC	DETAILS	DURATION
INTRODUCTION	Need for Data Science, Applications, companies specialized in the domain, Machine Learning and its Classification	9.30 - 9.45
PYTHON FOR DATA SCIENCE	Basics of Python, NumPy, Pandas, matplotlib. [Hands - on]	9.45 - 10.50
PROBABILITY	Probability theory, Normal Distribution, Z-Distribution. [Hands on]	10.50 - 11.00
STATISTICS	Central tendency and Dispersion [Hands on]	11.15 - 11.45
SIMPLE LINEAR REGRESSION	Model Building, Estimation of parameters using Ordinary Least Squares Method, Interpretation of Regression Coefficients, Validation of Model, R - Square and Residual Analysis. [Hands - on]	11.45 - 1.00
MULTI LINEAR REGRESSION	Model Development. [Hands - on]	1.45 - 2.15
DECISION TREE	CART and C4.5 Introduction, Entropy and Gini Gain Computation, Decision Tree Control arguments, Loss, Miss-Classification Error and Response Rate, Confusion Matrix and AUC. [Hands - on]	2.15 - 3.00
NAIVE BAYES CLASSIFIER	Model Development. [Hands - on]	3.15 - 4.00
CLUSTERING	Hierarchical Clustering, Distance Computation, Euclidean Distance, Agglomerative Clustering, Non-Hierarchical Clustering, K-Means algorithm, Optimal No. of Clusters. [Hands - on]	4.00 - 4.45



Vantrikruthi
Aug 2020

BoS Meeting

Date: 2-07-2020

Time: 10:30 AM To 2:00 PM

BoS meeting for the **Mechanical Engineering** Department was conducted at IIoT lab at ME-dept, NHCE. The VTU nominee was **Dr. H K Rangavittala**, Professor, BMS College of Engineering and the college of nominee was **Dr. Shanamukh Nagaraj**, Professor and Dean-Academics, RV College of Engineering. The nominees attended the BoS meeting through online mode. The meeting was successfully held with all the attendees.



Department of **Mechanical Engineering**, NHCE planned to setup Centre of Excellence for Non-conventional Energy Resource. In this regard, **The windmill power generating unit of 1kW capacity** is successfully installed on the Department building (Sardar Vallabhbhai Patel block). It is used to power the sodium vapour lamps at the S V P block.

Windmill Installation



Forthcoming Events



Editorial board: Dr. M. S. Ganesha Prasad, Dr. Srinath M K, Prof. Shiva Prakash S, Prof. Puneeth H V, Prof. Manjesh B C, Prof. Santhosh A N, Mr. Harish (5th Sem), & Mr. Sonic Somanna (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,

Vantrikruthi
Aug 2020