"Yukthi V3.0" @ MCA-NHCE

Chief Guest Mr. Deepak and the Guest of honor, Mr. Shailendra Bisht have gave the inaugural and Special Address in the Theme of Socio Technical Transition in Agriculture. After their address the First Look of JISCA (Journal of Information Science and Computer Applications) is launched with a video and live demonstration of the E-Journal. Dr. V Ilango , proposed the presidential Address. Dr. Suresh A Shan , delivered the Expert talk. He explained the possibilities and benefits of technical application in the field of agriculture.

The Afternoon session began with paper presentation event in which all the registered students presented their papers in the Falconry Seminar hall.

Students from different college like Kristu Jayanthi College, Jyothi Nivas College, GVIT, and Oxford and from New Horizon College of Engineering were presented their papers. A total number of 221 papers were received and 144 papers were shortlisted for oral presentations and were presented by the students.

The symposium began at 9:30 am and continued to 5:00 pm which included the inauguration, the launch of JISCA (Journal of Information Science and Computer Applications), paper presentations by the students and the valedictory before the singing of the national anthem.

Content:

The Inaugural function symposium was started at 9:30 am with the invocation song followed by lighting the lamp by the guests. Prof. Kavitha.S.N., Convener of Yukthi V3.0 proposed the welcome address and she narrated the overview of Yukthi.

The first copy of the yukthi-v3.0 proceedings was released by Chief Guest Mr. Deepak and first copy was received by Guest of honor Dr. Suresh A.San, Head-Business Information System- Mahindra and Mahindra Ltd. Mumbai and the Guest of honor, Mr. Shailendra Bisht.

Chief Guest Mr. Deepak and the Guest of honor, Mr. Shailendra Bisht have gave the inaugural and Special Address in the Theme of Socio Technical Transition in Agriculture. After their address the First Look of JISCA (Journal of Information Science and Computer Applications) is launched with a video and live demonstration of the E-Journal. Dr. V Ilango , proposed the presidential Address. Dr. Suresh A Shan , delivered the Expert talk. He explained the possibilities and benefits of technical application in the field of agriculture.

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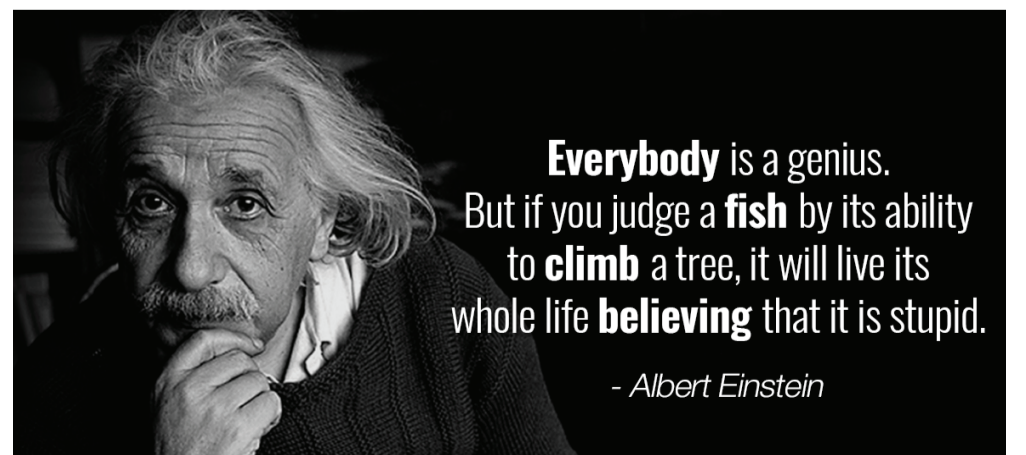
The Valedictory began with an address by the convener who spoke about a few of the diverse topics presented during the symposium, following up with the presenting of Certificates to the various students.

Dr. R. Chinnaiyan , proposed Vote of Thanks and the function ends with National Anthem.

Outcome

- The students were given an opportunity to gain feedback and a small step into the right direction for further pursuit in their respective fields of research.
- Many of the students had their research work validated, providing acknowledgement for their hard work and effort put into accurately pursuing their field of interest.
- All of the students who attended the symposium received a good amount of knowledge and insight into different fields from listening to the other students presentations.

Report By
Prof.Kavitha.S.N
Student Committee (Yukthi-v3.0)

Everybody is a genius. But if you judge a **fish** by its ability to **climb** a tree, it will live its whole life **believing** that it is stupid.

- Albert Einstein

TCS TECH BYTES IT QUIZ 2018

The Board of IT education standard(BITES) and TCS jointly organizing Engineering IT quiz-"TCS Tech Bytes" for engineering students every year. The Quiz would serve as an alternative platform to enhance awareness and confidence levels of the aspiring engineers while bringing them in sync with the current developments in the technology domain through an interactive and engaging quiz platform. "TCS Tech Bytes" strives to provide a better understanding of IT as technology today is an enabler in diverse fields – be it engineering, medicine, law, sports, science, movie, music, government, automobile, and telecommunication. The Quiz is open to BE students of all streams and will be held in Karnataka. We are authorized to send 10 Best teams (2 members per team) for the same.

For this, NSS Club conducted the first round of the quiz for selecting 10 best teams by written test on 22nd February 2018 at Library.

The 10 Best Teams are:

Sl.No.	Name	USN	SEM	DEPT
1	Md. Anas	1NH16EE728	IV	EEE
	SAGAR	1NH16EE048	IV	EEE
2	SUHAS HK	1NH15EE752	VI	EEE
	PRADEEP D N	1NH15EE712	VI	EEE
3	RAMAN KUMAR	1NH16EE739	IV	EEE
	PRANJAL KUMAR DEEP	1NH16EE73	IV	EEE
4	SWATHI U	1NH15CS137	VI	CSE
	VARSHA S	1NH15CS142	VI	CSE
5	SRINIVAS R	1NH17CS753	II	CSE
	SARAVANA KUMARAN B	1NH17CS743	II	CSE
6	MAHESH M	1NH16EE029	IV	EEE
	YATHISH K	1NH16EC121	IV	ECE
7	T MUKESH BABU	1NH15EE062	VI	EEE
	SIBASISH	1NH15EE054	VI	EEE
8	VASANTH KUMAR	1NH16EE755	IV	EEE
	VELU M	1NH16EE756	IV	EEE
9	VIBHAV V GIRI	1NH17IS129	II	ISE
	MD.GHASSAN	1NH17EC052	II	ECE
10	NIVEDITA RAVI	1NH15EE732	VI	EEE
	ATHUL DAS	1NH15EE704	VI	EEE

The winners are participating in the regional level on 21st March 2018 at SJBIT, Bangalore. Congratulations to all the winners!!!!!

BITSMUN – 2018

New Horizon College of Engineering MUN team participated in BITSMUN 2018 at BITS Pilani, Goa. We competed against more than 300 delegates, both Internationally and across the country. To give a gist, it was an intense three day debate on Internation affairs the ranged on topics like Atomic Energy, Prevention of Nuclear accidents, Refugee crisis in Rohingya minorities and issues pertaining to the tension in Syria and Middle Eastern Nations.

Amidst all of this NHCE team bagged 6 awards.

Ms. Sania – Best Delegate(UNHRC)

Mr. Zaid – Best Delegate(UNGA DISEC)

Mr. Joseph – Special Mention(UNGA DISEC)

Ms. Bhavana – Special Mention(International Atomic Energy Agency)

Ms. Anushma – Honourable Mention (International Atomic Energy Agency)

Mr. Varun Makhija – Verbal Mention (UNGA DISEC)

On behalf of management, Principal, and all the staff members wish Hearty Congratulations to all the students!!!!!!!!

A Seminar on "Data Science & AI"

Seminar titled "Data sciencence & AI" was conducted by the Departtmment of Master of Computer Applications on 1414th February 2018, here on Falconry Semmi inar Hall at NEW HORIZON COLLEGE OF ENNGINEERING.The session was held one & hourhour long,where the resource person presented thehe introduction and a brief insight into the ddaata science, neural network mechanism & AI.

Profile of the Guest:Mr Romeo Kienxler is cucurrrently working as chief Data scientistt iin IBM Watson.

Objectives:

• To provide thehe students with an insight into the Data sci ieence mechanism in various fields

• To sow the seeeed of neural network technology into studeudent nts brain which is trending topic&& which helps for their future

The session was started by MrMr Romeo & he gave an immense knowledge on on Data science, he discussed about "Ten sort flowow, Linear regression" and its implementation on in deep learning, then he spoke about neurall network, how its implementations are immmportant in present scenario. He told about LSTM M memory and data science implementation uusising python

& also implementations using free opopen source software's. He gave an idea for aalll students how we can learn it and implement, thehe debugging mechanisms& how recognitionon algorithms formed in neural network & its impleemmentation as face recognition password in IPPhonehone.

Interactive Session:

It was fabulous interactive session as we ever have in seminars, all the students & professors have made it very resourceful. The doubts posed like how data science plays role in political science, how data science helps in space research, what will be the importance of power AI in educational field & what could be the future of Neural networks. The answers for all these doubts mesmerized us, it gave deep insight into the topics& remained in the mind.

Outcome:

• The students were given an insight into the impact of data science in present world & its implementation

• The students left over with thought of evolving the future generations of these technologies

My Page

Seminar on
Power Learning and Deep AI

The session began with a brief introduction of Mr. Chekuri given by RijiAnandan, after which the seminar was handed over to Mr. Chekuri. He then beganthe seminar with a few questions regarding what the audiences understanding is about AI and deep learning, then briefly moving on to the introduction to what a cognitive landscape is, the terms and relationship between AI, Machine Learning and Neural Nets.

He then continued the seminar by providing a brief glimpse into the various Use Cases for Deep Learning and AI, following which he moved on to the concept of the different Phases in Machine Learning which were the Training Phase and the Inference phase. Mentioning about how the Training Phase is a time consuming process which also requires a large amount of Computational power whereas the Inference phase does not require a lot of time nor computation, meaning it can even be deployed a 1000ft underwater without much problems and could even run on any device like a Smartphone or even a Smartwatch.

He then continued to provide an insight into the various classifications of Machine Learning Techniques, following which he provided a detailed look into Linear Regression and the Gradient Descent Algorithm, structure of a Tenser Flow Program. He also gave an explanation on Classification (Logistic Regression) for a brief duration wherein he spoke about how the Gradient Descent Algorithm can be modified to fit in Logistic Regression. He then continued with an insight into Softmax Regression which is a multinomial logistic regression.

 Mr. Chekuri then proceeded with an introduction into Artificial Neural Networks with a description on the cost function which is used, following which he spoke about the concept of Back Propagation and how it is a simple concept which was introduced by Geoff Hinton. He then proceeded to speak about the Democratization of Deep Learning and the impact of having deep learning be an open source platform which has contributed vastly to its rapid evolution and development. Following which he spoke about the different layers in the regular AI infrastructure stack and then proceeded to show the differences in performance in terms of the regular AI stack and the PowerAI stack.

 He then continued to talk about the various ETL tools and gave an insight into Distributed Deep Learning and how the computation time can be reduced by sharing the performance load from a single system to multiple systems. Mr. Chekuri then provided a case study as the implementation of a cognitive computing solution in order to better manage their operational workflow and management.

 He then proceeded to talk about the requirement of very large amounts of data for a Deep AI to be effective and accurate in predicting the results, following which he spoke about the Convolutional Neural Network while also giving an insight into the different CNN's like LeNet (1990), AlexNet (2013), ZF net (2013), GoogLeNet(2014). He then continue the seminar with a brief description into Transfer Learning and lastly talking about Overfitting, where in overlearning the dataset can cause the accuracy of the data to go askew.

Outcome:
- The students received a detailed look into the working of AI and deep learning.
- The students were able to have their questions answered of the various concepts that they were curious about.
- The students also learnt about the importance of Power AI as an infrastructure.

Quantitative Aptitude #26

1. Find the odd man out. 2, 3, 5, 9, 12, 17, 23

A. 12   B. 9

C. 23   D. 2

Answer : Option B

Explanation :

2

$2 + 1 = 3$

$3 + 2 = 5$

$5 + 3 = 8$

$8 + 4 = 12$

$12 + 5 = 17$

$17 + 6 = 23$

ie, 8 should have come in place of 9

2. Find the odd man out. 3, 8, 18, 38, 78, 158, 316

A. 38   B. 158

C. 316 D. 8

Answer : Option C

Explanation :

3

$3 \times 2 + 2 = 8$

$8 \times 2 + 2 = 18$

$18 \times 2 + 2 = 38$

$38 \times 2 + 2 = 78$

$78 \times 2 + 2 = 158$

$158 \times 2 + 2 = 318$

Hence, 316 is wrong and 318 should have come in place of that

3. Find the odd man out. 5, 6, 14, 45, 185, 925, 5556

A. 5556   B. 925

C. 185 D. 6

Answer : Option C

Explanation :

$5 \times 1 + 1 = 6$

$6 \times 2 + 2 = 14$

$14 \times 3 + 3 = 45$

$45 \times 4 + 4 = 184$

$184 \times 5 + 5 = 925$

$925 \times 6 + 6 = 5556$

Hence, it is clear that 184 should have come instead of 185

4. Find the odd man out. 23, 27, 36, 52, 77, 111, 162

A. 162 B. 111

C. 52   D. 27

Answer : Option B

Explanation :

$23 + 22 = 27$

$27 + 32 = 36$

$36 + 42 = 52$

$52 + 52 = 77$

$77 + 62 = 113$

$113 + 72 = 162$

Hence, 113 should have come in place of 111

Dr.R.Chinnaiyan, Professor /MCA-NHCE

NEW HORIZON COLLEGE

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Recognized under section 2 (f) of the UGC Act, 1956
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TRENDS

TRANSCENDING THE **R**EALMS TO **E**NRICH THE **N**ATION'S **D**EVELOPMENTAL **S**TRATEGIES
-Future Prospects

28th April 2018

Venue: Shaheed Hemu Kalani Block,
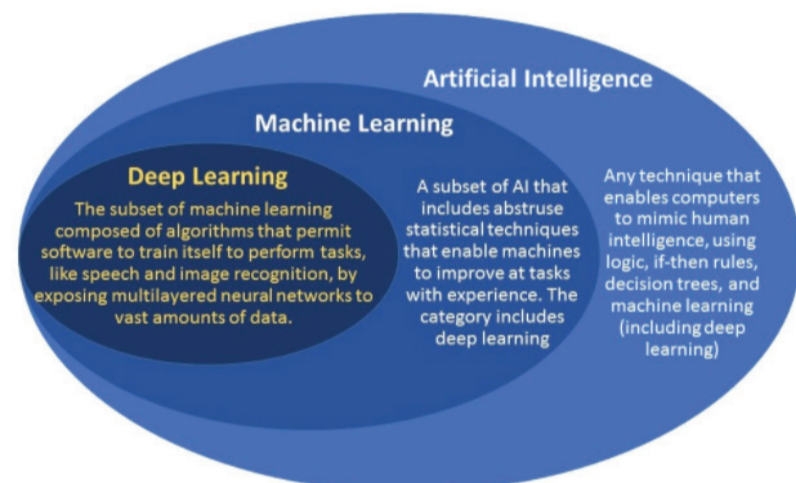New Horizon College, Marathalli
Bangalore

Deep Learning

Machine-learning technology powers many aspects of modern society: from web searches to content filtering on social networks to recommendations on e-commerce websites, and it is increasingly present in consumer products such as cameras and smartphones. Machine-learning systems are used to identify objects in images, transcribe speech into text, match news items, posts or products with users' interests, and select relevant results of search. Increasingly, these applications make use of a class of techniques called deep learning.

Deep learning (also known as deep structured learning, hierarchical learning or deep machine learning) is a branch of machine learning based on a set of algorithms that attempt to model high level abstractions in data. In a simple case, you could have two sets of neurons: ones that receive an input signal and ones that send an output signal. When the input layer receives an input it passes on a modified version of the input to the next layer. In a deep network, there are many layers between the input and output (and the layers are not made of neurons but it can help to think of it that way), allowing the algorithm to use multiple processing layers, composed of multiple linear and non-linear transformations.

Applications of Deep Learning
1.   Colorization of Black and White Images.
2.   Adding Sounds To Silent Movies.
3.   Automatic Machine Translation.
4.   Object Classification in Photographs.
5.   Automatic Handwriting Generation.
6.   Character Text Generation.
7.   Image Caption Generation.
8.   Automatic Game Playing.

Artificial Intelligence

Machine Learning

Deep Learning
The subset of machine learning composed of algorithms that permit software to train itself to perform tasks, like speech and image recognition, by exposing multilayered neural networks to vast amounts of data.

A subset of AI that includes abstruse statistical techniques that enable machines to improve at tasks with experience. The category includes deep learning

Any technique that enables computers to mimic human intelligence, using logic, if-then rules, decision trees, and machine learning (including deep learning)

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Dear Parents,
Hari Om!

ADMISSION NOTICE FOR PLAY GROUP, NURSERY, LKG AND UKG FOR THE SESSION 2018-19

Registration forms for admission for the academic year 2018-19 to **Play group**, **Nursery, LKG and UKG** can be downloaded from the website: www.newhorizonvidyamandir.in from 30th September 2017 onwards.

Registration forms can also be obtained from New Horizon Vidya Mandir or New Horizon Gurukul from 5th October 2017 onwards **(Timings: 9.00am to 4.00pm).**

Filled in registration forms to be submitted **only** at New Horizon Vidya Mandir. Parents can see the campus after the submission of registration forms on **5th, 6th and 7th October 2017.**
 (Timings 9am to 12pm/1.30pm to 4pm)

Cost of prospectus and registration fee: Rs. 500 /- (mandatory for all applicants)

Submit the filled in registration form with the following:
1. The latest passport size photograph of the child
2. Photocopy of the birth certificate
3. Aadhar copy of the child

Note: For those in the sibling category, please submit the filled in form on 5th October 2017 only. In case you do not apply on time, the preference in admission will not be given and your child's admission will be considered in general category.
 For Play group: The child should complete 1 year 11months as on 1st June 2018.
 For Nursery: The child should complete 2 years 8 months as on 1st June 2018 and for other classes the corresponding age is taken into account for admission.

PRINCIPAL
(Usha Vasudevan)

Behind the Scene

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