

**A Report on
One Day National Webinar
on
Application of Artificial Intelligence across Industry Domains
Organized by
Department of Information Technology
04 JUNE 2021**

Title: One Day National Online Webinar on
“Application of Artificial Intelligence across Industry Domains”

Date of Event: 04 JUNE 2021. Time: 03:00 PM – 05:00PM Hrs (IST)

Resource Person:

Mr Hanu Yedluri, Founder & CEO of instaemi.com, brainlabs.ai etc.,

Hanu is a seasoned leader with more than 22 years of experience in Fintech, Leading Tech, Wealth tech, Edtech & Legal Domain. He has a vast expertise in Data Analytics, Product Design, Operations & Process Automation. He worked for Global companies like Bank of America, Merrill Lynch and Orlans Associates.

Description of the Program:

IT department planned to organize a series of webinars on emerging technologies for faculty and research scholars to improve the research potentiality in this region. As the part of series of webinars department of Information Technology organized one-day national online webinar on “Application of Artificial Intelligence across Industry Domains”. This webinar has received an overwhelming response. 267 out of 362 registered participants turned up during the session. Faculty members, research scholars, students from of various educational institutions and industry people have participated and made it grand success.

Dr. Bulla Premamayudu, Program Coordinator, introduced the resource person Mr. Hanu Yedluri and welcomed all the delegates and participants to the webinar. He conveyed, the motivation to conduct, the objectives and goals of this webinar. He requested Dr K V Krishna Kishore HoD IT, to start the webinar and for his opening remarks.

Dr. Kolli Venkata Krishna Kishore, Head of the Department, Information Technology & Dean Library and IT services welcomed the resource person in his opening remarks. He expressed AI is nothing but a Human Machine, which acts like human by learning, understanding such that a decision maker. In this context, he explained the advancements of AI and how it became as part of human life through mobile navigator, virtual assistant like Alexa and Cortana etc., He expressed that it has acquired its roll in different domains like Business AI, Life-Saving AI, Entertainment AI etc., He requested Mr Hanu Yedluri to take over the session and enlighten the insights of AI to all participants.

Mr.Hanu Yedluri has explained what is Artificial Intelligence , Industry perspective , Types of AI, What are the skills are required, Roles of Artificial Intelligence , Impact of AI on Business and Technology , How AI Applications are used in education and banking, What Supervised Learning, Supervised Machine Learning, Unsupervised Machine Learning, Reinforcement machine learning, What is deep learning , Difference between Deep learning and Machine learning with various factors, Common models used for different problem category , Regression, Classification and Cluttering and Data services in DS Vs AI, AI Vs ML, ML Vs DL.

Mr. Sivakoteswararao Chinnam, Program Coordinator thanked the resource person for his valuable, outstanding, and overwhelming presentation. He expressed this webinar has given insights of applicability of Artificial Intelligence in different business domains like Fintech, Health Care and E-Learning etc., He thanked Mr Hanu Yedluri for his valuable thoughts, and this program has opened up the different directions to scholars and students for further application in research areas.

He also thanked every participant for their active participation during entire session. He also appreciated other program coordinators Dr. Bulla Premamayudu, and Mrs. Ketapalli Gayatri, of Department of IT for their efforts to make this webinar a grand success.

Also, he expressed his sincere thanks to Dr. L. Rathaiah Garu Chairman, Vignan,s group of institutions, Vice-Chancellor Dr. M.Y.S. Prasad and HOD,IT Dr. K. V Krishna Kishore for given an opportunity to organize this webinar in our campus.

Feed Back:

All the participants expressed very positive feedback. They expressed its an outstanding and motivational. This webinar “Application of Artificial Intelligence across industry domains” met the program objectives and all the participants appreciated the sessions by our Resource Person and the arrangements made by the organizers.



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**Department of
Information Technology**

Snapshots of the Program:

1. Brochure of the Webinar

National Webinar on
Application of Artificial Intelligence
Across Industry Domains

Choose & Apply a Right Machine Learning Algorithm for Solving Industry Problems

MR. HANU YEDLURI
Data Scientist, CEO at InstaEMI.com,
Brainlabs AI, DigitalAIILabs.com,
AssetsAndMore.com

Date & Time: 4th June 2021 @3PM, Venue: Online
For Registrations: Write to chskr_it@vignan.ac.in, drbpm_it@vignan.ac.in,
+91 9440372374 / 9440006478
Audience: Instructors, Faculty, Business Managers

National Webinar on
Application of Artificial Intelligence
Across Industry Domains

Session Discussion Areas

- Quick Discussion on Data Analysis & the need for AI
- Types of Algorithms, Algorithm outcomes
- Finance – Loan Approval by a machine learning model
- Health Care – Preventive Health care using the human wearables
- Education – e-Learning – AI based interventions to have increased student engagement for better learning outcome

Session Outcomes

- Learn Data Exploration, categorization, presentation, Analysis
- How to choose & apply the right algorithm to get the expected results
- Key stake holders of Artificial Intelligence
- Different Types of algorithms, their pros and cons
- How to measure the algorithm performance outcomes

Chief Patrons

Dr.L.Rathaiah
Chairman,
Vignan Group of Institutions

Mr.L.Krishnadevarayalu, MP
Vice-Chairman,
Vignan Group of Institutions

Patrons

Dr.K.RamaMurthyNaidu, Chancellor
Dr.M.Y.S.Prasad,Vice-Chancellor
Dr.M.S.Raghunathan, Registrar

Co-Patrons

Dr.K.V.Krishna Kishore, HOD IT, Dean Lib and IT Services
Dr D Venkateswarlu HOD CSE
Dr. N.Veeranjanayulu, Deputy, HOD IT

Co-Ordinators

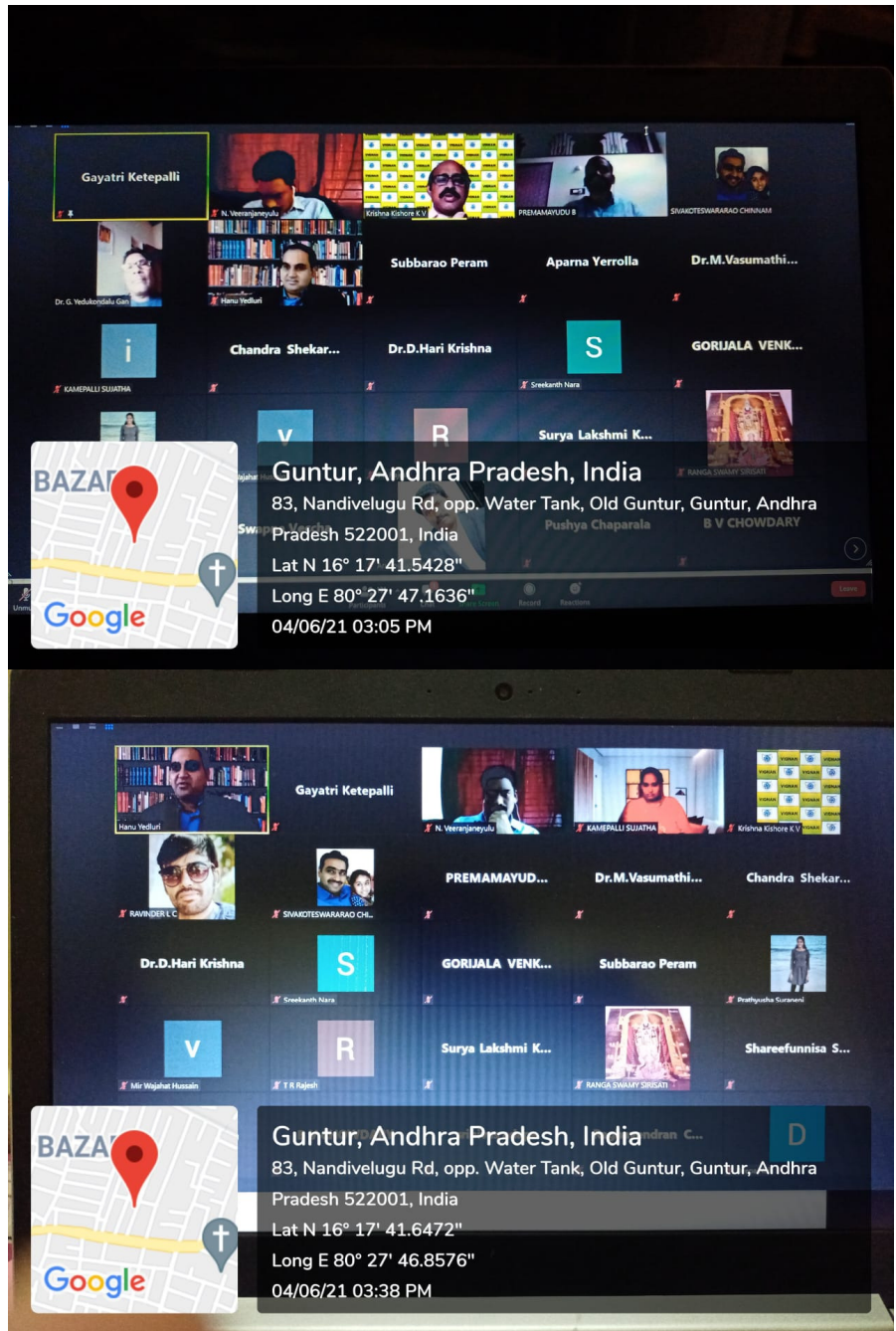
Dr.B.Premamayudu, Prof. IT
Mr.Ch.Sivakoteswara rao, Asst. Prof. IT
Mrs. K. Gayatri, Asst. Prof. IT

Session Presented By

Mr.Hanu Yedluri
Data Scientist, CEO at InstaEMI.com,
Brainlabs AI, DigitalAIILabs.com,
AssetsAndMore.com

Vadlamudi, Guntur-522213, Andhra Pradesh, India,Tel:0863-2344700, Ext:407,www.vignan.ac.in

2. Gallery of Session





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Guntur, Andhra Pradesh, India
83, Nandivelugu Rd, opp. Water Tank, Old Guntur, Guntur, Andhra Pradesh 522001, India
Lat N 16° 17' 41.6472"
Long E 80° 27' 46.8576"
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Our Fintech Consumer Solutions

CREDIT ONLINE

Use Cases

- Loan Approval System
- Profile Customer risk & offer new product
- Robo Advisory for Investment

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Health Solutions

Use Cases

- Patient Health Risk
- Patient Financial Risk
- Patient Adherence
- Patient Behavioral Pattern
- Value Based Care Delivery
- Pay for Performance
- Readmission Rate
- Discharge Rate and LOS
- Physician Performance
- Financial Forecast and Cost
- Fraud Detection
- Case Management
- Lifestyle Monitoring
- Fitness Monitoring
- Health Monitoring

Guntur, Andhra Pradesh, India
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AI application in Education

UNIVERSITY EDUCATION COLLEGE SCHOOL

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Key Terms

Overfitting
 Creating a model that makes correct predictions on the training data but fails on new data.

noise
 Broadly speaking, anything introduced into data in a way that is not related to the underlying relationship.

underfitting
 Producing a model with too low complexity to capture the underlying relationship between the variables.

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Experiment created on 6/4/2021 ▶ heart_failure_clinical_records_dataset.csv ▶ dataset

rows	columns
299	13

age	anaemia	creatinine_phosphokinase	diabetes	ejection_fracti
75	0	582	0	20
55	0	7861	0	38
65	0	146	0	20
50	1	111	0	20
65	1	160	1	20
90	1	47	0	40

Statistics

Mean	60.8339
Median	60
Min	40
Max	95
Standard Deviation	11.8948
Unique Values	47
Missing Values	
Feature Type	Numeric Feature

Visualizations

Participants: Gayatri Ketepalli, N. Veeranjeyulu, Balaji Vicharapu, Jhansi Lakshmi, Krishna Ekshore K.V.

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