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DEPARTMENT OF ELECTORNICS AND COMMUNICATION ENGINEERING

**&
ECE ALUMNI ASSOCIATION**

PRESENTS

WEBINAR ON
EXPLORATION OF PRACTICAL
APPLICATIONS OF
CONVERSATIONAL AI TOOLS
FOR ACADEMIC TEACHERS

VENKATRAMAN S

**DOLCERA INFORMATION TECHNOLOGY
SERVICES PVT. LTD., HYDERABAD,
INDIA**



22/03/2024



7:00PM-8:00 PM

COORDINATERS

DR. D.MENAKA, ASP,ECE

MS. S.KALYANI, AP,ECE

MR.P.ARUL,AP,ECE





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Speaker: Venkatraman S

Date: 22/03/2024

Venue: Google meet : <https://meet.google.com/req-nagq-yuq>

Audience: Faculty Members

Introduction:

The webinar titled "Exploration of Practical Application of Conversational AI Tools" was conducted with the aim of providing insights into the real-world applications of conversational AI tools in various domains. The guest speaker, Venkatraman S, brought a wealth of experience and expertise to the discussion.

Professional Qualification:

Venkatraman S is currently employed as a Patent Analyst at Dolcera Information Technology Services Pvt. Ltd., Hyderabad, India, specializing in patent landscaping, portfolio creation, and technology categorization. Prior to this role, he served as an Assistant Professor in the Department of Electronics at Sri Sai Ram Institute of Technology, Chennai, India.

Academic Qualification:

Venkatraman holds a Master's degree in Communication Systems (M.E) and has demonstrated a keen interest in technical areas such as wireless communications, antennas, satellite communications, and 4G & 5G architecture.

Technical Areas of Interest:

Venkatraman's expertise encompasses a wide range of technical areas including wireless communications and antennas, satellite communications, as well as in-depth knowledge of 4G & 5G architecture, principles, and use cases.

Publications:

He has contributed significantly to the academic field with 3 international conference publications and 2 journal publications, reflecting his commitment to advancing knowledge in his areas of interest.

Webinar Highlights:



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During the webinar, Venkatraman S delved into the practical applications of conversational AI tools, drawing from his extensive experience in both academia and industry.

Key Points Covered:

Introduction to Conversational AI:

Venkatraman provided an overview of conversational AI, explaining its underlying technologies such as natural language processing (NLP) and machine learning.

Real-world Use Cases:

He illustrated real-world use cases of conversational AI tools, showcasing how organizations are leveraging chatbots and virtual assistants to enhance customer experience, streamline operations, and improve efficiency.

Challenges and Opportunities:

Venkatraman discussed the challenges associated with implementing conversational AI solutions, such as data privacy concerns and maintaining conversational flow. He also emphasized the vast opportunities that conversational AI presents for innovation and growth.

Future Trends:

The speaker offered insights into the future trends of conversational AI, predicting advancements in voice recognition technology, multi-modal interfaces, and personalized user experiences.

Conclusion:

The webinar provided faculty members with valuable insights into the practical applications of conversational AI tools across various domains. Venkatraman S's expertise and experience enriched the discussion, leaving participants with a deeper understanding of the potential impact of conversational AI on their respective fields.

S. Sathish
Coordinator

Dr. G.A. Sathish Kumar
DR. G.A. Sathish Kumar
HOD/ECE



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Meeting interface showing a presentation slide titled "WORKING WITH ChatGPT". The slide content is mostly blank. The meeting controls on the right show participants: Venkateshan S, MENAKA D ECE, ANISHAA S ECE, ARUL P ECE, HOD ECE, SENTHIL RAJANS, 12 others, and KALYANI S ECE. The time is 7:20 PM.

Meeting interface showing a presentation slide titled "FORMATION OF PROMPT" with a sub-section "STEP: 1 SET THE TONE". The slide includes an "EXAMPLE #1" with a list of instructions for prompt engineering. The meeting controls on the right are identical to the previous image. The time is 7:21 PM.

EXAMPLE #1

The user provided a list of instructions for a prompt engineer. The instructions are as follows:

- 1) The user provided a list of instructions for a prompt engineer. The instructions are as follows:
- 2) The user provided a list of instructions for a prompt engineer. The instructions are as follows:
- 3) The user provided a list of instructions for a prompt engineer. The instructions are as follows:
- 4) The user provided a list of instructions for a prompt engineer. The instructions are as follows:
- 5) The user provided a list of instructions for a prompt engineer. The instructions are as follows:
- 6) The user provided a list of instructions for a prompt engineer. The instructions are as follows:
- 7) The user provided a list of instructions for a prompt engineer. The instructions are as follows:
- 8) The user provided a list of instructions for a prompt engineer. The instructions are as follows:
- 9) The user provided a list of instructions for a prompt engineer. The instructions are as follows:
- 10) The user provided a list of instructions for a prompt engineer. The instructions are as follows:
- 11) The user provided a list of instructions for a prompt engineer. The instructions are as follows:
- 12) The user provided a list of instructions for a prompt engineer. The instructions are as follows:

FORMATION OF PROMPT

STEP: 1 SET THE TONE

You are a professor, teaching digital electronics of undergraduate level. You are required to prepare questions for a student assignment. The structure of questions should be strictly as follows:



Handwritten diagram on a whiteboard:

- Top left: $3GPP + \boxed{SDG} \rightarrow TS$ (with $3G$ and $4G$ written above TS)
- Below TS : TR
- Right side: $Declare \rightarrow \boxed{SEP}$
- Center: $\boxed{TS/ST}$ with an arrow pointing to $TRAI \rightarrow DoT \rightarrow GOC$
- Bottom left: $3GPP + \boxed{SDG}$
- Bottom right: EN, S, O

Zoom meeting interface shows participants: Venkatesh S, MENAKA D ECE, SENTHIL RAJAN S, HOD EC, GAYATHRI ECE, ABUL P ECE, 12 others, and KALYANI ECE.

Presentation slide content:

- Review on Ethical and Digital Security Issues with New Technical Questions
- 1. Change a person's identity or appearance using deepfakes
- 2. Deepfakes for disinformation: A 2019 study estimated that 60% of deepfakes are used for disinformation
- 3. Deepfakes for social engineering: A 2020 study found that 70% of deepfakes are used for social engineering
- 4. Deepfakes for financial fraud: A 2021 study found that 80% of deepfakes are used for financial fraud
- 5. Deepfakes for political propaganda: A 2022 study found that 90% of deepfakes are used for political propaganda

Zoom meeting interface shows participants: Venkatesh S, MENAKA D ECE, ABUL P ECE, ANISHA S ECE, HOD EC, SENTHIL RAJAN S, 12 others, and KALYANI S ECE.



Faculty Attended

Dr.G.A.Sathish kumar

Dr.D.Menaka

Ms.K.S.Subhashini

Ms.S.Kalyani

Dr.A.Ramya

Dr.S.Vijayanand

Mr.P.Arul

Ms.S.M.Mehzabeen

Mr.M.K.Varadarajan

Ms.R.Kousalya

Ms.B.Sarala

Mr.N.Sathish

Mr.L.K.Balaji Vignesh

Event Incharge

HoD,ECE

VENKATRAMAN S

PROFESSIONAL QUALIFICATION

Current: Patent Analyst (August 2022- Present)

Department of Electronics

Dolcera Information Technology Services Pvt. Ltd., Hyderabad, India

Nature of responsibilities of current work:

Patent landscaping, Patent portfolio creation, Patent technology categorization

Previous: Assistant Professor, (March 2021- July 2022)

Department of Electronics,

Sri Sai Ram Institute of Technology, Chennai 44, India

ACADEMIC QUALIFICATION

M.E Communication Systems

Technical areas of interest:

Wireless communications and Antennas; Satellite Communications; 4G & 5G architecture, principles, and use cases.

PUBLICATIONS

3 Internation Conference publications

2 Journal publications

