

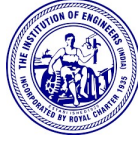
The Institution of Engineers (India)

AN ISO 9001 : 2008 CERTIFIED ORGANISATION
(Established 1920, Incorporated by Royal Charter 1935)

SILCHAR LOCAL CENTRE

Trunk Road, Silchar - 788 001, Assam, India

Er. G Dutta Choudhury, MIE
Chairman
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A Century of Service to the Nation

ACTIVITY REPORT

Virtual Lecture Meeting

on

“Emerging Technologies : Natural Language Processing & Artificial Intelligence”

Dr. Partha Pakray, Asstt. Professor, Computer Science & Engineering, NIT, Silchar delivered a lecture on **“Emerging Technologies : Natural Language Processing & Artificial Intelligence”**

on 10th Nov’ 2020 at 6-30 pm virtually through Google meet. Er. Gautam Dutta Choudhury, Chairman of the Silchar Local Centre welcomed Dr. Partha Pakray & corporate members of the IE(I),SLC,non member practicing engineers,engineering student and researchers who registered their name through online & attended for the virtual meeting.Total 26 number of people registered their name and attended the events. The meeting was started with Sri Sri Ganesh Vandana .

Er Biswajit Purkayastha,Honorary Secretary of the Centre enlightened the biography of Dr Pakray.

The speaker Dr. Pakray discussed the area of computer science and artificial intelligence concerned with the interaction between computers and humans in *natural language* which is so called **Natural language processing (NLP)** .

and discussed the use of **NLP** to create systems like speech recognition, document summarization, machine translation, spam detection, named entity recognition, question answering, autocomple, predictive typing and so on which helps computers communicate with humans in their own language and scales other language-related tasks. For example, NLP makes it possible for computers to read text, hear speech, interpret it, measure sentiment and determine which parts are important. He refers to the way humans use **words** to communicate ideas and feelings, and how such communications are processed and understood. Natural Language processing is considered a difficult problem in computer science. It's the

nature of the human **language** that makes NLP difficult while humans can easily master a **language**, the ambiguity and imprecise characteristics of

the **natural** languages. Natural language processing is a form of artificial intelligence gives computers the ability to read, understand and interpret human language. It helps computers measure sentiment and determine which parts of human language are important For example, reducing energy use to create a net-zero energy location effectively doubles capital planning ability.

2).Better Predictability and demand forecasting through Artificial Intelligence Enhances Preventative Maintenance Planning.

3).Automated Reporting and Self-Optimization Identifies Potential Problems Before they Occur. If something does go wrong, artificial intelligence enables automated reporting and creation of work orders, including entering data into a computerized maintenance management system (CMMS), when integrated properly.

4).Artificial Intelligence Can Integrate With virtually any Connected System.

5).Artificial Intelligence Improves Occupant Experiences by Identifying Potential Risks. Poor facilities management does more harm than just eat away at profitability; it can result in health problems, like severe allergies or uncomfortable work conditions. Artificial intelligence can identify these risks in the same manner as identifying potential equipment malfunctions.

The Question and answer/Feedback session was conducted at the end of the presentation.

At the end of the programme, Er. Biswajit Purkayastha, Honorary Secretary of the centre offered the vote of thanks to the electronic-audience. The meeting was ended with cordial atmosphere with very much appreciation to young Engineer Dr. Pakray from many other members from the desk.The celebration came to an end with the National Anthem.



Speaker

Dr. Partha Pakray

Assistant Professor, Department of CSE
National Institute of Technology, Silchar

Date: 10-11-2020

Time: 06.30PM-07.30PM

Registration link: <https://forms.gle/pT4MtjBxCVAf3k8G7>

Google meet link: <http://meet.google.com/mnb-dfqm-ayg>



The Institution of Engineers (India)

SILCHAR LOCAL CENTRE

TRUNK ROAD, SILCHAR 788001

Dear Corporate Members,

On behalf of IE(I) Silchar local centre, we cordially invite all our corporate members, non member practising engineers, engineering students and researchers to attend the virtual lecture meeting on the eve of centenary celebration of IE(I) on "*Emerging Technologies: Natural Language Processing & Artificial Intelligence*". The link for the virtual registration and lecture are given.

Er Gautam Dutta Choudhury, MIE
Chairman

Er Biswajit Purkayastha, MIE
Hony. Secretary

Er Reeb Dey, MIE
Co-ordinator

Proof of the meeting (Snapshot from Google Meet)

Application Domain: Chatbot

- **Banking Sector**
 - ILA - SBI Card's Chatbot!
 - Ask EVA - HDFC Bank etc.
- **Education Sector**
 - Botsify
 - SnatchBot
- **Healthcare**
- **Tourism**
- **Customer Service - any sector**

Meeting details: People (26), Add people, Gaurev Dutta Choudhury (You), Angshu Kumar Ray, Bimal Kumar Dey, Biswajit Purkayastha, Dipanwita Debnath, Dr. AGNIMITRA BISWAS, Dr. PANNALAL CHOUDHURY, Dr. PARTHA PAKRAY (Presenting), Dr. PARTHA PAKRAY, Dr. RAJEEB DEY, Gaurev Dutta Choudhury, Hirshibhaa Basumatary.

Meeting details: People (19), Chat, Dr. PANNALAL CHOUDHURY, Dr. PARTHA PAKRAY, Dr. RAJEEB DEY, karthik A, Menas Ranjan Sethi, Nikhil Ranjan Choudhury, Nikhil Ranjan Laskar, SHAIK TASARDHIK BASHA, Shiva Agarwal, sounak majumdar, Subhshah Choudhury.

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