

**A Brief Report on One-Day International Webinar on “Recent Trends in Engineering and Sciences” held on May 20, 2022**Communication Cell IUL <communications@iul.ac.in>  
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Sat, Jun 25, 2022 at 9:37 PM

**A Brief Report on One-Day International Webinar on  
“Recent Trends in Engineering and Sciences”****Organized by****Department of Electronics and Communication Engineering, Faculty of Engineering,  
Integral University on May 20, 2022**

Dear All,

The Department of Electronics and Communication Engineering, Integral University organized a One Day **International Webinar** on the theme “**Recent Trends in Engineering and Sciences**” on **May 20, 2022** wherein, a total of 26 participants from Integral University and different institutes of Lucknow, Uttar Pradesh, India has graced the occasion.

The Webinar was organized under the patronage of **Prof. S. W. Akhtar**, Founder and Hon’ble Chancellor, Integral University, and **Prof. Javed Musarrat**, Hon’ble Vice-Chancellor, **Dr. S. Nadeem Akhtar**, Pro-Chancellor, and **Prof. T. Usmani**, Dean, Faculty of Engineering and Information Technology, Integral University, Lucknow. The conveners of the Webinar were **Dr. Syed Hasan Saeed**, Professor and Head of the Department of Electronics and Communication Engineering, and **Dr. Imran Ullah Khan**, Asso. Prof. (L-II) Integral University. The agenda of this Webinar focused heavily on Artificial intelligence (AI) and its challenges, IOT, Big Data, BRBES (A Paradigm to support the evolution of AI,) Internet of Health care Things referred to as IoHT. IoHT is the exchange and processing of the data for health status monitoring of individuals by integrating sensors or IoT devices. The positive impact of IoT in healthcare transforms the healthcare experience, improving patient outcomes and enhancing the quality of care.

Sl. No.	Thumbnail of the Event	Details of Resource Person	YouTube Link
1		<b>Prof. (Dr.) Mohammad Shahadat Hossain</b> Advisor, PeopleNTech Institute of Information Technology, USA MPhil and PhD(UMIST), UK.	<a href="https://www.youtube.com/watch?v=DvbXA1KGLtI">https://www.youtube.com/watch?v=DvbXA1KGLtI</a>
2		<b>Prof. (Dr.)</b>	<a href="https://youtu.be/HJh5iMIYCGE">https://youtu.be/HJh5iMIYCGE</a>



**M Shamim Kaiser**  
Institute of Information Technology of Jahangirnagar University, Savar, Dhaka, Bangladesh

The Webinar Series was inaugurated Live through the official YouTube Channel of the Department of Electronics and Communication Engineering on May 20, 2022 wherein the session was conducted by Dr. Imran Ullah Khan with the welcome address to the Resource Person for the Day, **Prof. (Dr.) Mohammad Shahadat Hossain** and **Prof. (Dr.) M Shamim Kaiser** has highlighted the importance of the theme and how the world has changed around us with various IoT technologies. The Webinar was organized by the Committee of experts formed by the Department of Electronics and Communication Engineering which consisted of, **Dr. Piyush Charan** and **Mrs. Nupur Mittal**.

A valedictory session was conducted on May 20, 2022, and the session was chaired by **Dr. Imranullah Khan** and **Dr. Piyush Charan** in which the Webinar was concluded with the Vote of Thanks and later the certificates to all the participants were released through email.

**Sample Certificate:**



**Glimpses of the Event:**

# Evolution of AI

Professor Dr. Mohammad Shahadat Hossain  
Department of Computer Science and Engineering  
University of Chittagong  
&  
Guest Professor Lulea University of Technology, Sweden

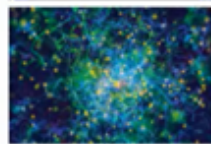


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Professor Dr. Mohammad Shahadat Hossain

However learning should be deep?



Simple Neural Network

Deep Learning Neural Network



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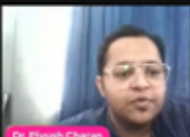
Professor Dr. Mohammad Shahadat Hossain

# Next Generation Healthcare System: Challenges and Opportunity

M Shamim Kaiser

Professor and Director  
Institute of Information Technology,  
Jahangirnagar University, Bangladesh

20 May 2022



Dr. Fiyash Chohan



Dr. Imran Ullah Khan



M Shamim Kaiser

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# Overview

Evolution of Healthcare

**Healthcare 1.0**

- Reduce paper works within the organization

**Healthcare 2.0**

- Linking with another org.
- Allow data sharing

**Healthcare 3.0**

- Countrywide Healthcare involves data analytics

**Healthcare 4.0**

- Global Healthcare
- Real time monitoring & AI

M Shamin Kabir

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Thanks and Warm Regards,

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