



**INTEGRAL
UNIVERSITY**
LUCKNOW (INDIA)



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RAICT-2020

INTERNATIONAL E-SYMPOSIUM

ON

RECENT ADVANCEMENTS IN INFORMATION AND COMMUNICATION TECHNOLOGY

5 – 7 NOVEMBER, 2020

(TECHNICALLY CO-SPONSORED BY IEEE UTTAR PRADESH SECTION)

ORGANIZED BY

DEPARTMENT OF COMPUTER APPLICATION
INTEGRAL UNIVERSITY, LUCKNOW

Brief Report

We have entered an era where everyone's concerns are contributions to the well-being of others. These concerns are the premises on which the **Department of Computer Application** has put their domain centric step towards **Digital India** initiative where all innovative extra-curricular activities like organizing symposium, quizzes, workshops, FDPs & SDPs executes on ground pitch through electronic platforms. It's a matter of great pride that the has successfully organized a three-day long **International E-Symposium** on "*Recent Advancements in Information and Communication Technology*", **RAICT-2020** in association with the **Indian Society for Technical Education (ISTE)**, **Institute of Engineers India (IEI)**, and technically co-sponsored by **Institute of Electrical and Electronics Engineers (IEEE) Uttar Pradesh Section**. Through this symposia the department has introduced an online public forum where notable speakers, passionate faculty members, afresh researchers and interested participants virtually linked altogether for sharing their opinions and philosophies in their respective fields. The theme of this symposium is rightly anchored with the current scenario, as ICT is being used in all the areas of education, and entwined with educational practices. The eminent speakers from International and National institutions of repute graced this E-Symposium and **117 abstracts** were received for publication in **E-Souvenir** (https://bit.ly/RAICT_2020_E-Souvenir). The presenters have given **Oral Presentations** through Google Meet platform in various tracks.

The **Inaugural Session** (https://bit.ly/RAICT_2020_InauguralSession) commenced with fresh spirit by **Ms. Nashra Javed, Organizing Secretary RAICT**. **Dr. Mohammad Faisal, Organizing Chair RAICT & Head Computer Application** delivered the welcome address. The event was graced with the presence of Honourable **Pro-Chancellor Integral University & Chief Guest, Dr. Syed Nadeem Akhtar**, addressed the virtual gathering and welcomed **Guest of Honour, Dr. Leslie Ramos Salazar** from the USA. In presence of all dignitaries the event progressed by the virtual launch of **RAICT 2020 E-Souvenir** and session concluded with the vote of thanks by **Dr. Sandeep Kumar Nayak, Convener RAICT**.

Day 1 (5th November, 2020)

Plenary Session

Dr. Leslie Ramos Salazar	West Texas A&M University, USA	The Rise of Cyberbullying in the Technology Age	https://bit.ly/RAICT_2020_PlenarySession
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She has given unmatched informative content regarding cyberbullying through presenting real-world facts and figures of social networking giants like Facebook, Instagram, Twitter and LinkedIn. And mentioned about the dark side of these social networking facilitations and offered high-class suggestive measures to get rid of enormous challenges and issues.

Invited Talk 1

Prof. Balasubramanian Raman	Indian Institute of Technology, Roorkee	Application of Machine/Deep Learning in Vision and Imaging	https://bit.ly/RAICT_2020_InvitedTalk1
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He discussed Brain Computer Interface, Human Action Recognition based on Deep Learning Applications and explained about Smart houses equipped with digital items. He also highlighted the notion of Electroencephalography (EEG) which is a monitoring method to record the electrical activity of the brain and which is a wearable headset positioning noninvasive electrodes along the scalp.

Invited Talk 2

Dr. Vishal Krishna Singh	Indian Institute of Information Technology (IIIT), Lucknow	Machine Learning, Bias and Fairness	https://bit.ly/RAICT_2020_InvitedTalk2
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He conveyed his knowledge about Machine Learning and its various challenges and issues. And discussed fairness in ML, how it is considered when its result is independent of given variables, especially sensitive one such as the trait of individuals which should not correlate with the outcome.

Day 2 (6th November, 2020)

Invited Talk 3

Dr. Abhishek Vaish	Indian Institute of Information Technology (IIIT), Allahabad	Cyber security: The changing Landscape and Research Opportunities	https://bit.ly/RAICT_2020_InvitedTalk3
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He talked about different types of cybercrime with suitable examples and cyber security with its allied challenges and issues. With comparison of all kinds of conventional and recent cyber security measures he elaborated social engineering and its different types.

Invited Talk 4

Dr. Saurabh Shukla	Data Science	Application of Fog Computing	https://bit.ly/RAICT_2020_InvitedTalk4
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	Institute, National University of Ireland (NUIG)	in Healthcare Internet of Things	
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He presented his analysis regarding the quality of e-health services and explained Simulator Tools that have been proposed to minimize computational latency accessing time sensitive health data.

Day 3 (7th November, 2020)

Invited Talk 5

Dr. Alam Nawaz	Yeungnam University, Republic of South Korea	Smart Human Interface for Water Treatment Plant	https://bit.ly/RAICT_2020_InvitedTalk5
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He discussed his experiences during the experiments and developed the proper solution as software named ANAMMOX. And explained how the SCADA system controls the WWT plant and reduced uncertain problems.

Invited Talk 6

Dr. Haider Raza	University of Essex, United Kingdom	Brain- Computer Interfacing	https://bit.ly/RAICT_2020_InvitedTalk6
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He explained how through EEG cap human brain signals are read, converted and passed to computer systems and any kind of neurological disorder or brain related task can be accomplished.

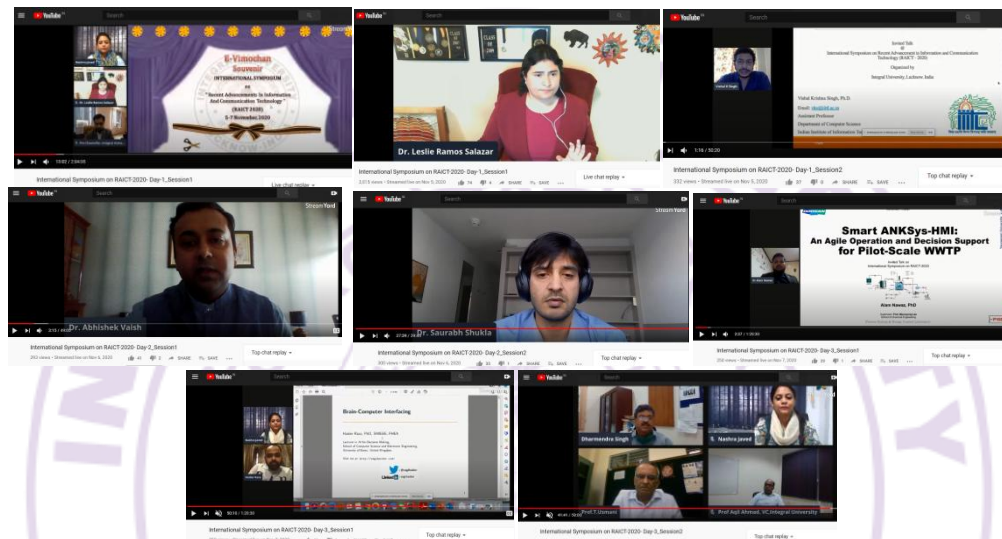
Valedictory Session (https://bit.ly/RAICT_2020_ValedictorySession) started with the invited talk on "**IoT and Sensor Based System for Agriculture Evaluation**" by an eminent scientist **Prof. Dharmendra Singh**, from Indian Institute of Technology, Roorkee. Honorable **Vice Chancellor Integral University, Prof. Aqil Ahmad**, addressed the guest, encouraged the participants to get benefited from these kinds of events and also appreciated the efforts taken by the Organizing Committee for the smooth conduct of symposia. **Guest of Honor, Prof. Dharmendra Singh** motivated our faculty members, students and participants with his words of wisdom and **Dean, Faculty of Doctoral Studies & Research & Dean, Faculty of Computer Application, Prof. T. Usmani**, thanked the guest for his valuable presence. The symposium concluded through Vote of Thanks by **Dr. Tasneem Ahmed, Convener RAICT** and closing remarks by **Ms. Nashra Javed, Organizing Secretary RAICT**.

Best Presenter Award in Oral Presentation

Presenter	Affiliation	Abstract Title
Jaya Bhimrao Dabarase	Women's College of Home Science & BCA, Maharashtra	Role of ICT in Covid-19 Pandemic
Sandhya Satyarthi	Department of Information Technology, Babasaheb Bhimrao Ambedkar University, Lucknow	IoT Risk Assessment: Risk identification and Elimination For Security of IoT Devices
Gausiyya	Department of Computer Application,	Succour in Health Industry: IoMT

Yasmeen	Integral University, Lucknow	
Yusra Khalil	Department of Computer Application, Integral University, Lucknow	Road-Map To Full Stack Web Development
Atika Fatma	Department of Computer Science and Engineering, Integral University, Lucknow	An Accurate Study of the Quality of Health Coinciding with the Process of Handwriting

The invited talks delivered by the distinguished speakers will certainly convey probable awareness and constructive support of ICT over teaching and research and will positively empower us to align with current technologies.



Stay Safe, Happy learning.....!!!

Dr. Mohammad Faisal,
Head, Department of Computer Application,
Integral University, Lucknow.

