Aliah University

(Under the department of Minority Affairs and Madrasah Education, Govt.of West Bengal)
IIA/27, New Town, Kolkata - 700160, Phones: (033) 2341 6444, West Bengal, India

5.1.3 Following Capacity development and skills enhancement initiatives are undertaken by the institution for:

The Programme Reports and Photographs related to - **Awareness of trends in technology** are hereby endorsed with

12/06/24

Registrar (Officiating)
Aliah University
New Town, Kolkata

Department of Journalism and Mass Communication

Aliah University

(A UGC approved autonomous Institution under the Department of Minority Affairs and Madrasah Education, Govt. of West of Bengal)

Park Circus Campus, 17, Gorachand Road, Kolkata- 700014

Report on Three day Data Analysis Workshop titled STATA Retreat: An Intermediate Course on Handling NSS Data' (a Three Day Data Analysis Workshop) from 30th Dec 2017 to 2nd January 2018**.**

The Department of Journalism and Mass Communication organised this **Data Analysis workshop** from 30th Dec 2017 to 2nd January 2018 in collaboration with **Association SNAP.** The Data Analysis workshop targeted young social science researchers and journalists and will be aimed at giving a detailed idea of all kinds of data that researchers and journalists come across. For the purpose of the workshop, resource person mainly used NSS data of employment and unemployment, and consumption expenditure.

Two main Resource Persons for the Workshop were **Dr Md Zakaria Siddiqui**, research fellow at the **Institute for Economics and Peace, Sydney, Australia**; and **Sabir Ahamed, Research Co-ordinator and Fellow** at **Pratichi Institute**, **Kolkata.** This workshop enhanced the department's profile in terms of UGCs academic activities. The workshop was an intermediate course on dealing with big data using STATA. It aimed to develop capabilities of participants in understanding and analyzing large data sets based on non-random sampling technique such as NSS using programming environment of STATA. The course also was meant for the candidates with some orientation in large or nationally representative data and STATA Environment. The inaugural as well as the valedictory session were addressed and attended by the dignitaries from the administration of Aliah University.

The broad course contents included: a) Use of big data in democracy, b) Data Management (merging, reshaping, collapsing and use of missing value), c) Understanding of NSS unit level data and its sampling design, d) Statistical analysis: appropriate measures of central tendency, and Non-technical introduction to Regression.

While Association SNAP, bore the remunerations and other expenses on resource persons along with logistics from the funds generated from the fees charged from attendees. The Department as the collaborator provided venue and other secretarial assistance and received grant of Rupees 20,000 (Rupees Twenty Thousand) only to bear the cost of extra expenses towards stationary, felicitation, refreshment, poster banner and other contingencies to organise the program. The utilisation of funds were also submitted to the University Finance section with balance refund.

Dignitaries on the dias during the STATA Workshop

Resource person Dr. Zakaria Siddiqui

Participants in the STATA Workshop

Aliah University

Park Circus Campus, 17, Gorachand Road, Kolkata- 700014

Department of Journalism and Mass Communication

Report on

Three weeks Documentary Film making workshop in the Department of Journalism and Mass Communication.

The Department of Journalism and Mass Communication offers a project paper in the 4th semester of its 2 yr MAJMC. Hence during this project the students of the 4th semester are supposed to produce a documentary film which consists of 8 Credits.

The Department has organised a three week long workshop from11/02/2019 to 02/03/2019. The three week had been divided into three stages of production of documentary under the supervision of resource persons. The students underwent instruction and hand on training in the pre-production, production and post- production stages. The workshop resulted in a documentary film that was screened in the department. The workshop was organised by Dr Kaifia Ancer Laskar Chairperson and Co- Convenor, Ghazala Yasmin Convenor, Mrs Subha Das Mollick- Course Co ordinator .

The activities done during the workshop are described as follows:

Sl no	week	Details of Activities	Resource Person
1	1st week	Ideation, Research, Script writing	Resource Person: Mrs Subha Das Mollick, Director, Bichitra Pathshala
2	2nd week	Camera Exercise ,Shooting, Voice Over recording	Resource Person: Mrs Subha Das Mollick, Director, Bichitra Pathshala
3	3rd Week	Video and Audio Editing and fine tuning the raw footage, Post Production, Poster Designing, DVD Cover Design	Resource Person: Mr Sayantan Independent Film maker AND Free lancer, Faculty,

One Day Workshop on

"RESEARCH METHODOLOGY"

On

28th June, 2019

Organized by:

Department of Electrical Engineering,

Aliah University,

Action Area IIA/27, New Town,

Kolkata-700160,

West Bengal, India

THE INSTITUTE:

Aliah University is an autonomous university under the Department of Minority Affairs and Madrasah Education, Government of West Bengal. It is hoped that along with the people of any race, creed, caste or class, this University will play a crucial and leading role in the advancement of higher education for socially and educationally backward classes belonging to the Minorities.

Aliah University started its glorious journey from the 2008-09 academic session with great potential and immense opportunities. It is hoped that this university, harmonizing tradition and modernity, will emerge as a unique institution of higher studies and research.

DEPARTMENT OF ELECTRICAL ENGINEERING:

Electrical Engineering Department has well qualified faculty members and well furnished classrooms. The Department has well equipped laboratories for Electrical Machines, Power System, Power Electronics, Network Analysis, Control Systems, and Basic Electrical Engineering. The department also has computerized research laboratory facility with various software like Mi Power, PSIM, MATLAB etc. The department is also offering PG (Power System / Control System) and Ph.D. programmes in Electrical Engineering.

The vision of the department is to play a crucial and leading role in the advancement of higher education for socially and educationally backward classes belonging to the Minorities. It aims to produce Electrical Engineers of high caliber to serve the society and nation.

Chief Patron:
Hon'ble Vice Chancellor, Aliah University

Patron:
Registrar, Aliah University

Co-Patron:
Dean, Faculty of Science & Technology, Aliah University

Chairperson:
Dr. Rimi Paul
HoD (Officiating), Department of Electrical Engineering,
Aliah University

Convener:
Dr. Sharmistha Mandal
Assistant Professor, Department of Electrical Engineering,
Aliah University

Co-Convener:
Dr. Nasim Ali Khan
Assistant Professor, Department of Electrical Engineering,
Aliah University

Organizing Committee:
Mr. Biswapriya Chatterjee
Mr. Md Aftab Alam
Mr. Pallav Dutta
Assistant Professors, Department of Electrical Engineering,
Aliah University

Correspondence:
Dr. Nasim Ali Khan
Assistant Professor,
Department of Electrical Engineering, Aliah University
dr.nak.au@gmail.com,
+917980086537

COURSE CONTENT & FACULTY:

- *"How to Write a Good Research Paper"*
  by
  Prof. Rajarshi Gupta, Calcutta University
- *"Tools of Research"*
  by
  Prof. Biswarup Basak, IIEST - Shibpur
- *"Statistics in Engineering Research"*
  by
  Prof. Sugata Adhikari, ISI - Kolkata

ELIGIBILITY:

Technical personnel from various industries, faculty members from degree and diploma level institutions, PG, Ph.D. & final year UG students of engineering institutions.

IMPORTANT DATES:

Last date of Registration with Fees:
26th June, 2019
Intimation of confirmation:
27th June, 2019

REGISTRATION FEE:

Industry Personnel : Rs. 500/-
Academic Personnel: Rs. 100/-

REGISTRATION PROCESS:

Online via Google Form by scanning the QR code.

Institution's Innovation Council (IIC)

Aliah University

Overview:

Ministry of Education (MoE), Govt. of India through MoE's Innovation Cell (MIC) inaugurated Institution's Innovation Council (IIC) in the year 2018. To systematically foster the culture of innovation amongst all Higher Educational Institutions (HEIs), MIC instructed to establish "Institution's Innovation Council" at HEIs to encourage, inspire and nurture young students to work for new ideas.

A network of IICs is established to promote innovation and entrepreneurship in the Institution for the promotion innovation eco-system in the campuses.

Focus of IIC

- To create a vibrant local innovation ecosystem.
- Start-up/ entrepreneurship supporting Mechanism in HEIs.
- Prepare Institute for Atal Ranking of Institutions on Innovation Achievements Framework. (ARIIA)
- Establish a functioning ecosystem for scouting ideas and pre-incubation of ideas.
- Develop better cognitive ability among students.

Functions of IIC

- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in a time-bound fashion.
- Identify and reward innovations and share success stories.
- Organize Hackathons, idea competition, mini-challenges, problem-solving proof of concept development etc. with the involvement of industries.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by the institution's faculty and students.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.

IIC at Aliah University:

IIC at Aliah University was started in January 2021. Our institute has participated in Atal Ranking of Institutions on Innovation achievements (ARIIA). The IIC comprises a diverse group of members, including faculty members, industry experts, alumni, and students. This diverse composition ensures a multifaceted approach to promoting innovation and entrepreneurship within the institution.

The IIC team at Aliah University comprises of:

- Chairman: Mr. M. Wahab, (Retd. IPS), Hon'ble Vice-Chancellor, Aliah University

• Member: Registrar, Aliah University • Member: Finance Officer, Aliah University • President: Dr Quazi Mohammad Alfred Member • Dr Arup Kumar Baksi • Dr Joydeep Sengupta • Dr Samiran Sur • Dr Safdar Ali • Dr Nasim Ali Khan • Ms Ghazala Yasmin • Dr Shamim Haidar • Dr Md. Maidul Islam • Dr Zeenat Rehena • Dr Aznarul Islam • Dr Souvik Sngupta • Mr. Pallav Dutta	**External Members:** • Prof P. K. Dan – IIT Kharagpur • Dr Tapas Chakrabarty- TCS • Dr Nabarun Bhattacharyya-C-DAC, Kolkata. • Mr. Manindra Nath Maity- Ex. Director, EDI, Kolkata • Dr Nabarun Sarkar- Executive Engineer(Electrical), KMC • President or his nominee from BCCI • Chairman or his nominee WB HIDCO

** In addition 9 student members from different departments.

Activities:

MIC Driven Activities

1. From your PhD/ Masters Thesis to a start-up, Date: 23rd April 2021.

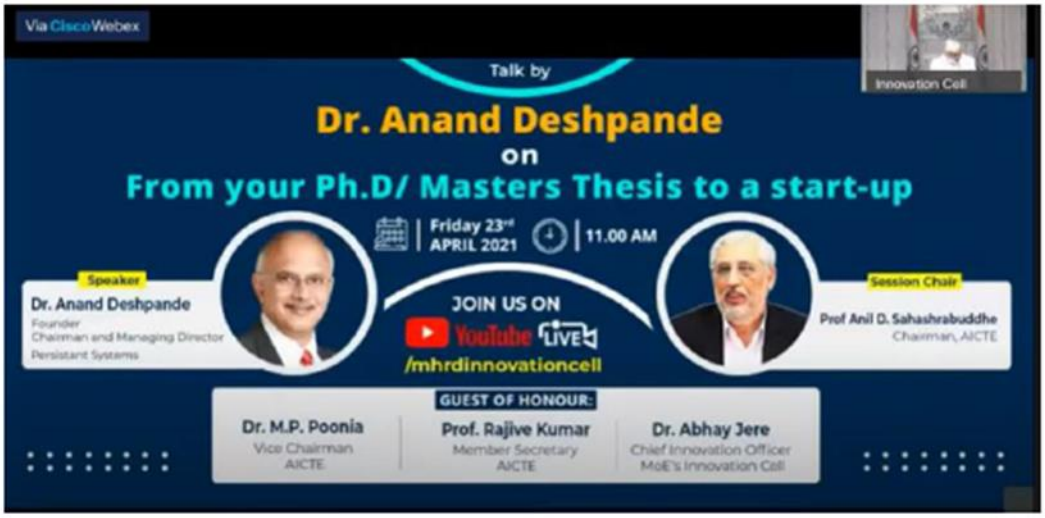
Report uploaded to IIC Web page.

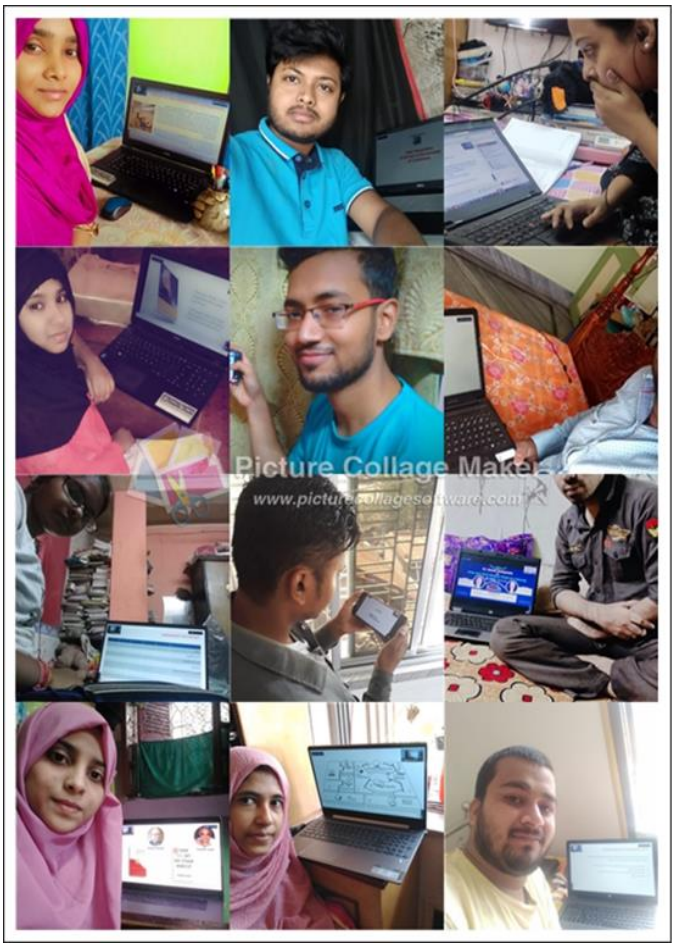
REPORT ON ACTIVITIES OF INSTITUTION INNOVATION COUNCIL

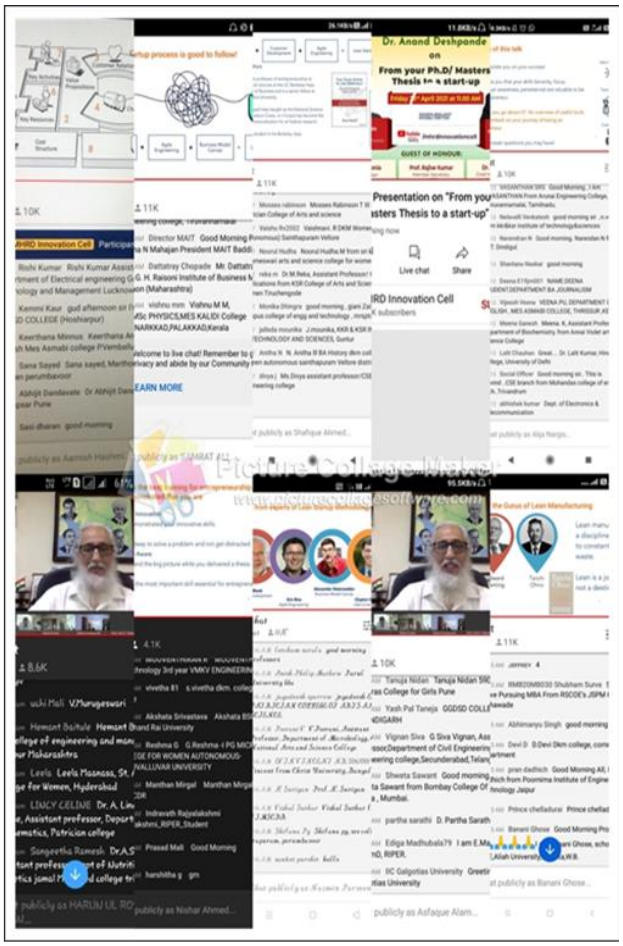
ALIAH UNIVERSITY, KOLKATA

YouTube live session by MoEs' Innovation Cell for a talk on "From your Ph.D/ Masters Thesis to a start-up" Date: 23rd April 2021.

The IIC of Aliah University, Kolkata participated in the YouTube live for this session with great enthusiasm. The students were able to know that Entrepreneurship could be an option after PhD and PhD journey may be the best training for that, through this talk. They also got knowledge about Lean Start-up, Lean Manufacturing, Business model canvas, Minimum Viable Product (MVP), Teambuilding, Sunk cost and other ideas. They understood the importance of retaining a customer and the reasons why a customer switches to another product. They also got a connecting link between entrepreneurship, start-ups. They also got the idea about different factors for comparison like Sales, Gross Margin, Net Profit Margin, ROI, Velocity, Cash Generation, Market Share etc.




Picture Collage Maker
www.picturecollagesoftware.com


Dr. Anand Deshpande
on
From your Ph.D/ Masters Thesis to a start-up
Presentation on "From your Masters Thesis to a start-up"
Live chat
Share
Picture Collage Maker
www.picturecollagesoftware.com

2. "Why IP is important in Academia" World IP Day Special Session by Dr Abhay Jere & Dr Mohit Gambhir. Date: 26th April 2021.

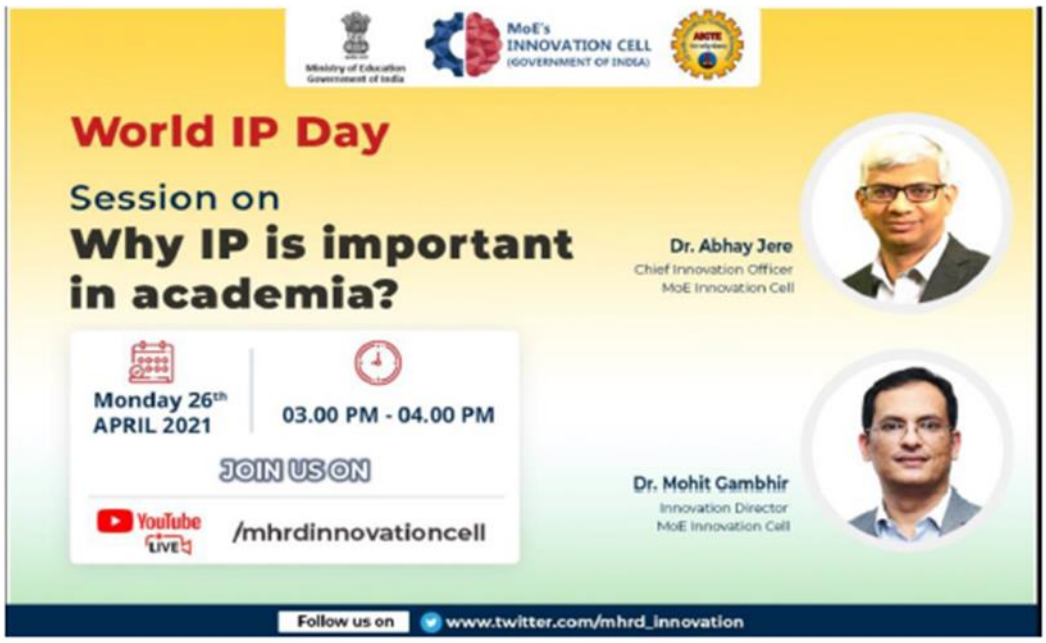
Report uploaded to IIC Web page.

REPORT ON ACTIVITIES OF INSTITUTION INNOVATION COUNCIL

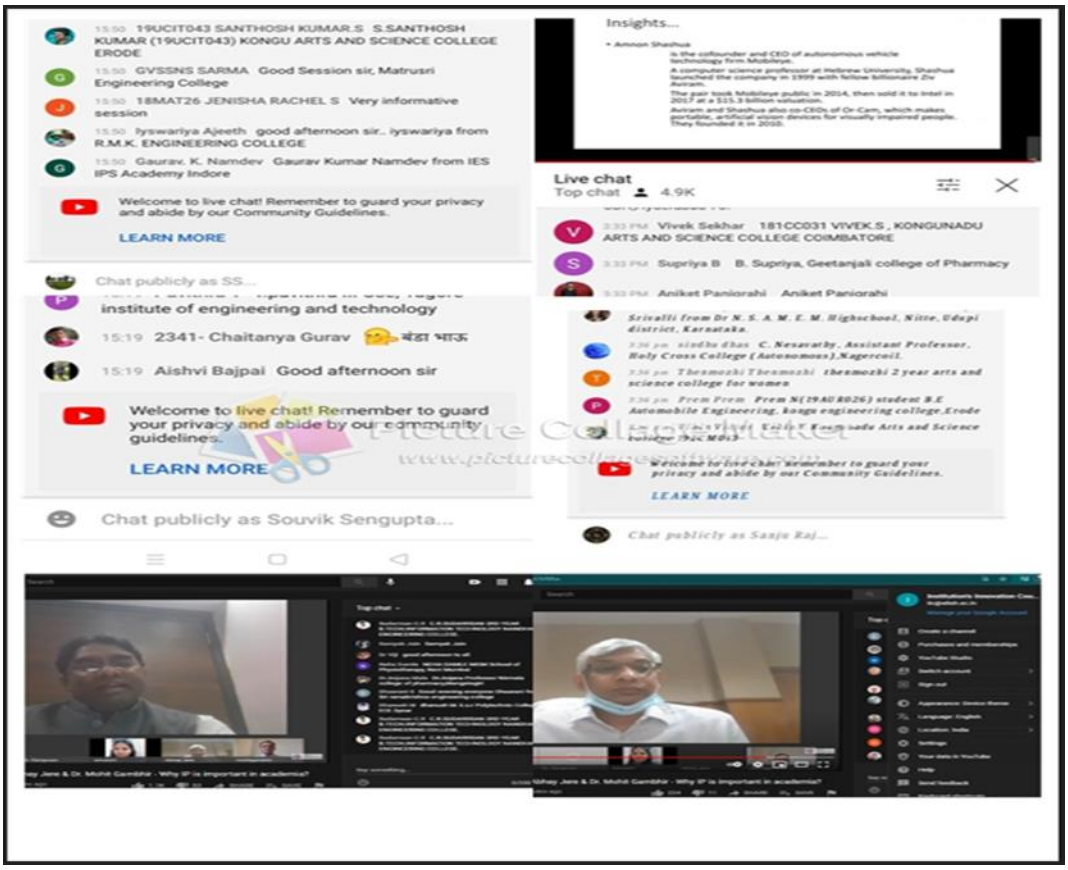
ALIAH UNIVERSITY, KOLKATA

YouTube live session by MoEs' Innovation Cell for a session on "Why IP is important in Academia" World IP Day Special Session by Dr Abhay Jere & Dr Mohit Gambhir. Date: 26th April 2021.

The students of Aliah University were inspired by the talk. They were able to know more about IP importance. The students were able to learn the term IP and related components. They also got some knowledge about the entrepreneurship ecosystem and how ideas can be converted to wealth. They received knowledge about what IP has done so far in different countries with interesting examples. Students were excited when they learnt about the story of Bose corporation founder Amar Bose. They also got the idea about different interesting innovations which came from university research like Internet, Rocket fuel, Seat Belt, Solar power and so on. They understood how governments around the world are trying to accelerate the innovative ideas to products and process by granting Universities / Higher Education Institutions.



Participants' photographs



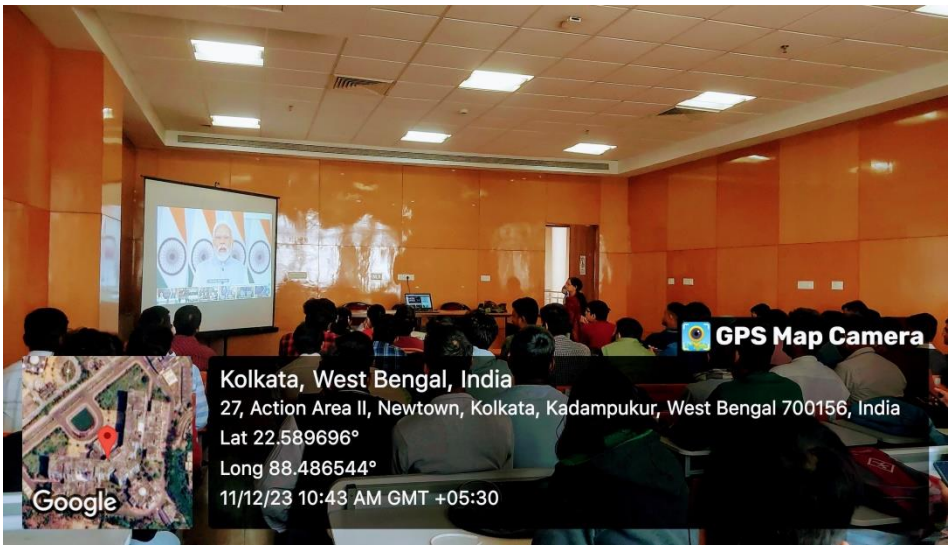
3. Report on Inaugural Address by Hon'ble Prime Minister at Viksit Bharat@2047 Utsav

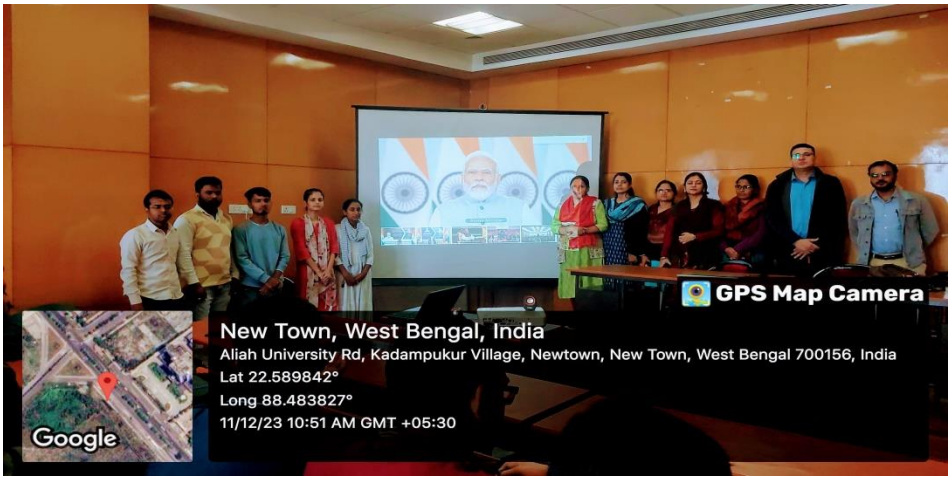
Date: 11th December 2023

Venue: Aliah University Campus

The Inaugural Address by Hon'ble Prime Minister of India at the Viksit Bharat@2047 Utsav was watched live at Aliah University Campus, garnering participation from over 100 students and 10 faculty members. The address marked a significant moment as the Prime Minister outlined the vision for India's development by 2047.

Students and faculty alike were engaged in the inspiring speech, which emphasized the importance of innovation, technology, and sustainable development in achieving national goals. The event provided a platform for reflection and discussion on the future trajectory of the country, sparking enthusiasm and aspirations among attendees. It served as a catalyst for fostering a sense of national pride and collective responsibility towards building a prosperous and inclusive Bharat by 2047.





Self-Driven Activities

1. **Online workshop on IPR for Students and Faculty Members organised on 29th May 2021**

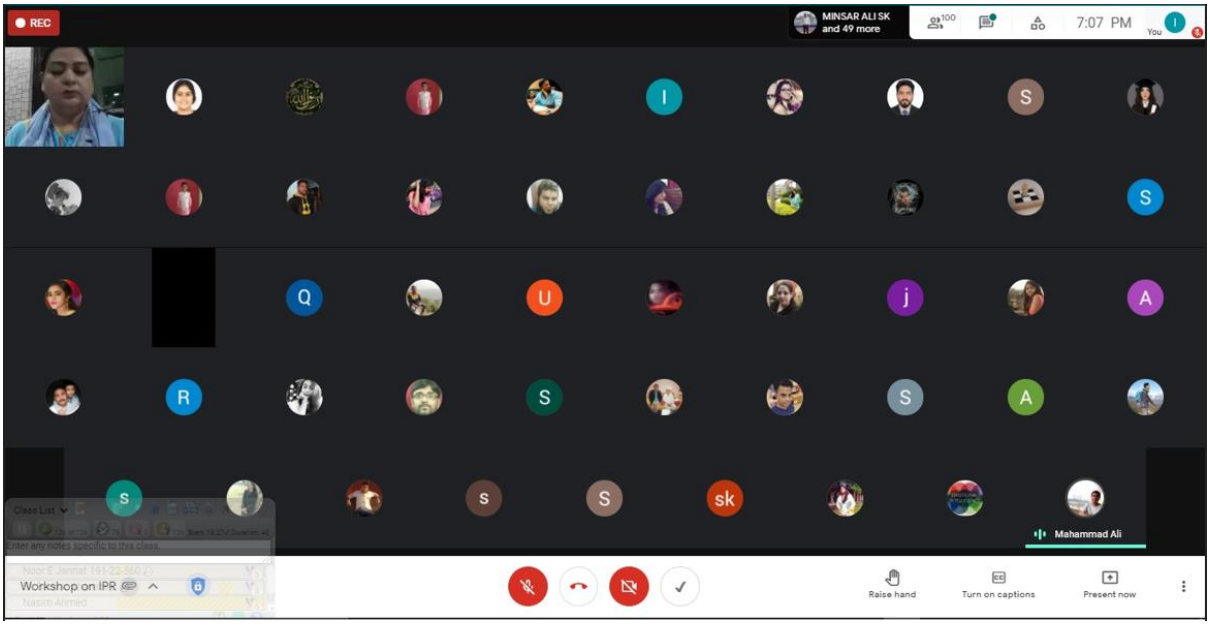
The workshop on intellectual property rights was organised by the IIC of Aliah University on 29th May 2021. Total 130 students and 10 faculties attended the workshop.

The following topics were covered :
History of Intellectual Property Rights
World Intellectual Property Organization: Roles & Functions
Plagiarism and Intellectual Property fundamentals
Intellectual Property India Office: Roles & Functions
Details about Patent Application, Copyright Application, Trademark Application.

After the event, feedback was collected from the participants. The participants gave positive feedback about the event. It created awareness among them about the basics of intellectual property rights.

Resource Person: Dr Zubair Ahmed , Department of Law, Aliah University.

Program Brochure and Program photo captured:



2. Report on Aliah University Internal Hckathon 2023

On 27th September 2023, the Aliah University Smart India Hackathon 2023(Smart India Hackathon 2023) was jointly organized by the Institutions Innovation Council (IIC) and Department of Electronics and Communication Engineering of Aliah University . **Total 32 teams** have been participated in Internal Hackathon 2023 from the all departments of University. The objective of the event was to enlighten the students with the challenges of Software and Hardware Edition. The objective of this Internal Hackathon was to scrutinize the solutions provided by team members for different problem statements listed by multiple organizations and different state and central government Ministries of India. This helped students to understand the problem with different perspectives and to come up with a proper solution. The goal of this Internal Hackathon was to prepare the student teams for National level Smart India Hackathon(SIH) 2023. Smart India Hackathon 2023 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. In the last 5 years, SIH has evolved into the world's Largest Open Innovation Model to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and problem solving mindset. The previous editions of SIH have proven to be extremely beneficial for the students in establishing startups and employment opportunities in various organizations.

3.One-Day Workshop on Recent Trends in Innovation and Technology

Date: December 7, 2023

Venue: Aliah University

Aliah University hosted a one-day workshop on Recent Trends in Innovation and Technology on December 7, 2023, bringing together experts, researchers, and students to explore emerging advancements and their impact on various industries.

The workshop featured insightful presentations and discussions on cutting-edge technologies such as artificial intelligence, blockchain, and Internet of Things (IoT). Experts from academia and industry shared their expertise, providing valuable insights into the latest trends and developments shaping the technological landscape.

Attendees had the opportunity to engage in interactive sessions, exchange ideas, and participate in hands-on demonstrations of innovative technologies. Workshops and tutorials offered practical knowledge and skills enhancement opportunities, empowering participants to stay abreast of the rapidly evolving technological landscape.

The workshop served as a platform for networking and collaboration, fostering connections among participants from diverse backgrounds. It provided a conducive environment for knowledge exchange and collaboration, laying the foundation for future interdisciplinary research and innovation initiatives.

In conclusion, the one-day workshop on Recent Trends in Innovation and Technology at Aliah University was a resounding success, enabling participants to gain insights into emerging technologies and fostering collaboration among stakeholders in the pursuit of innovation and excellence.

Flyer for the Seminar:

Pictures of the seminar:

Other Activities

1. **Innovation Ambassador Training**: A total of 8 nos of faculties participated in the online Innovation Ambassador Training program (Foundation level) Organised by MOE's Innovation Cell (period 30th June to 30th July 2021).

2. **Report for IIC Regional Meet :**

   Date: 12th January 2024

   Venue: Sister Nivedita University, Kolkata

   The Institutional Innovation Council (IIC) Regional Meet at Sister Nivedita University, Kolkata, on 12th January 2024, served as a pivotal platform for academia, industry, and government to converge and catalyze innovation and entrepreneurship in the region. The event commenced with insightful keynote addresses emphasizing the imperative of collaborative partnerships between academia and industry in driving innovation.

   Throughout the day, interactive sessions, workshops, and panel discussions provided a forum for knowledge exchange on topics ranging from innovation management to technology transfer and entrepreneurship. Participants actively shared best practices, success stories, and challenges, fostering a culture of learning and collaboration.

   A key highlight of the event was the showcase of innovative projects and initiatives by participating institutions, offering visibility and recognition to pioneering efforts in the realm of innovation. Networking sessions facilitated meaningful connections and laid the groundwork for potential collaborations and partnerships.

   In conclusion, the IIC Regional Meet at Sister Nivedita University, Kolkata, served as a catalyst for driving regional innovation and fostering synergistic collaborations between academia, industry, and government. By inspiring action, facilitating knowledge exchange, and promoting collaboration, the event propelled the region towards a more vibrant and sustainable innovation ecosystem.

3. One senior-level faculty has been appointed as NISP Coordinator.

4. A site has been selected primarily for the Pre-incubation centre at the university.

Upcoming event:

Event: International Seminar on Trends in Artificial Intelligence & Machine Learning Research (TAIMLR), Organized by Dept. of CSE

TAIMLR 2020 was held on 7th January 2020. The topic of this one day seminar was artificial intelligence and machine learning. Eminent speakers, from academia and industry were invited to share their knowledge. Pror. Umapada Pal from ISI Kolkata, Prof. KC Santosh from University of South Dakota, Dr. Nilanjan Dey from Techno International University and Dr. Arijit Mukherjee from TCS lab were key speakers in this seminar. Students, research scholars and faculty members participated in this one day seminar.

No. of Participants: 100

@Participants during the session

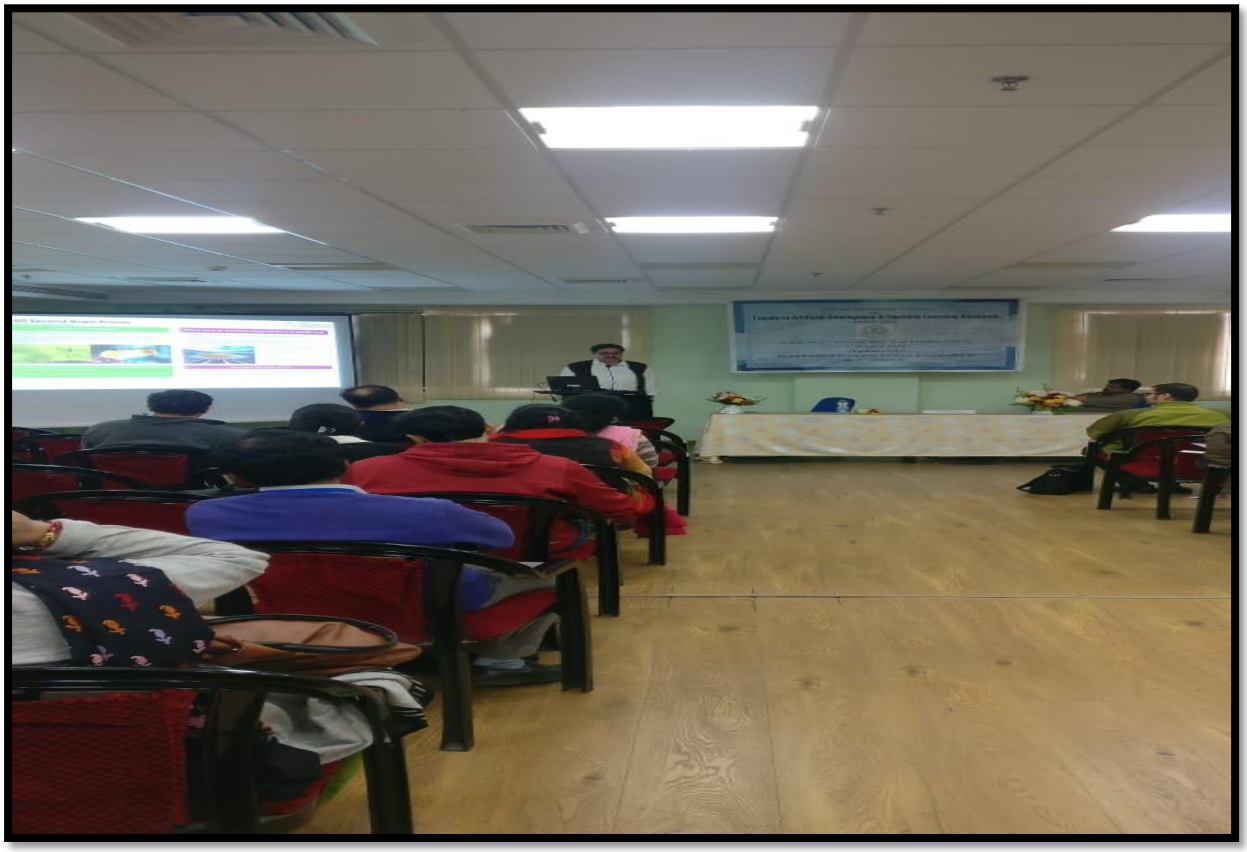
Event: International Seminar on Trends in Artificial Intelligence & Machine Learning Research (TAIMLR), Organized by Dept. of CSE

@ Four eminent speakers

@Question-Answering Session

Event: International Seminar on Trends in Artificial Intelligence & Machine Learning Research (TAIMLR), Organized by Dept. of CSE

@ Team members and Volunteers



@Presentation by the speaker

Invited Talks

Organized by Department of Computer Science and Engineering, Aliah University, Kolkata (in collaboration with **Computer Chapter, IEEE Kolkata Section**)

Date: January 10, 2020

Title of Talks

Computational Methods for Experimental Data Driven Inference of Spatial Genome Conformation

By Prof. Dariusz Plewczyński

Comparative Study of Clustering Algorithms: A Big Data Perspective

By Dr. Jacek Sroka

Speakers

Prof. Dariusz Plewczyński

Prof. Dariusz Plewczyński received **MS** in Theoretical Physics from University of Warsaw in 1995 and PhD in Physical Chemistry from Polish Academy of Sciences, Poland. He did his p**ostdoctoral research** at International Institute for Cell and Molecular Biology, Poland. Dr. Plewczynski worked in The Burnham-Sanford Institute in San Diego, CA, USA in 2002. He was also a **postdoc** at the bioinformatics laboratory of Helsinki University in 2003. In 2004 he was a **visiting researcher** at Merck Research Laboratories (IRBM), Italy. From 2002 to 2011, he was an **assistant professor** at University of Warsaw, Poland. In 2011, He visited Stanford University within the Top500 Polish Ministry of Science programme. He received a **DSc degree (habilitation)** in Computer Science and bioinformatics in 2012 at the Institute of Computer Science, which is part of Polish Academy of Sciences.

From 2011, he was the **head of the bioinformatics** team at the University of Warsaw (first at ICM, and later from 2015 at Centre of New Technologies). He has been involved in bioinformatics projects in the Leading National Research Centre of the Medical University of Bialystok from 2012. He was a visiting professor at The Jackson Laboratory for Genomic Medicine; Yale University within the senior Fulbright fellowship (2013-2014).

His main expertise covers computational genomics, biostatistics and bioinformatics. He is actively developing computational intelligence algorithms, performing biophysical simulations and applying computational modeling to various interdisciplinary problems in Human genomics. His recent achievements cover qualitative and quantitative biological data analysis, the general systems theory and interdisciplinary problems in the context of bioinformatics, genomics, drug design, and systems biology; ensemble learning systems, meta-clustering techniques.

Currently, he is a Professor at the University of Warsaw in the Center of New Technologies (CeNT), Warsaw, Poland, and the head of the Laboratory of Functional and Structural Genomics.

Dr. Jacek Sroka

dr Jacek Sroka is an assistant professor at the Univeristy of Warsaw, Poland. His research interests include databases, distributed system, workflow modelling, Petri nets and bioinformatics. He has over 50 published peer reviewed papers. He has supervised 5 PhD students, promoted over 40 MSc students and over 50 BSc students. He is also electoral systems expert at the Polish Electoral Office.

Attendance

Number of participants: 85 (5 IEEE Members)

Snapshots

COMPUTER
CHAPTER
IEEE Kolkata Section

COMPUTER
CHAPTER
IEEE Kolkata Section

COMPUTER CHAPTER

IEEE Kolkata Section

You are invited to

Join Us

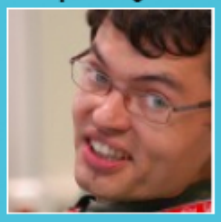
To hear from Renowned Scientist and Academician !

Date and Time: 10th January, 2020 (2.00 pm-5.00 pm)

Venue: Seminar Hall, CB203, 2nd Floor, New Town Campus, Aliah University, IIA/27 New Town, Kolkata-700160

Organized by: Department of Computer Science and Engineering, Aliah University
In collaboration with : Computer Chapter, IEEE Kolkata Section

Title of Talk:
Computational methods for experimental data driven inference of spatial genome conformation



Prof. Dariusz Plewczyński, Ph.D, D.Sc
Professor, Center of New Technologies, University of Warsaw, Poland

Dr. Dariusz Plewczynski's interests are focused on functional and structural genomics. Functional genomic attempts to make use of the vast wealth of data produced by high-throughput genomics projects, such as the Structural Genomics Consortia, Human Genome Project, 1000 Genomes Project, ENCODE, and many others. He is presently involved in several Big Data projects at three institutes: Centre of New Technologies (CeNT), University of Warsaw, Jackson Laboratory for Genomic Medicine (an international partner of the TEAM project), and Centre for Innovative Research (within the Leading National Research Centre KNOW 2012-2017) at Medical University of Bialystok (UMB). He is currently head of the Laboratory of Functional and Structural Genomics under CeNT.

Title of Talk:
Comparative study of clustering algorithms: A big data perspective

Dr. Jacek Sroka
Faculty of Mathematics & Informatics, University of Warsaw, Poland

Dr. Jacek Sroka is an Assistant Professor at the Institute of Informatics, University of Warsaw, Poland. His research interests include databases, distributed system, workflow modelling, Petri nets and bioinformatics. He has published over 50 peer reviewed papers, supervises 5 PhD students, promoted over 40 MSc and over 50 BSc students. He is also an electoral systems expert at the Polish Electoral Office, Govt. of Poland.

Contact: Dr. Ayatullah Faruk Mollah (Organizer), Tel : +91-9143176161, Email : afmollah@aliah.ac.in

PROGRAM SCHEDULE

Date: Jan 10, 2020 **Venue:** CB203, New Town Campus

Inaugural Session	
2:00-2:15 PM	**Welcome Address** Dr. Ayatullah Faruk Mollah
	Address by Chief Guest Prof. Mahammad Ali, Hon'ble Vice-Chancellor, AU
	Address by Guest of Honour Prof. Amzed Hossein, Registrar, AU
	Address by Guest of Honour Prof. Mehedi Kalam, Dean, Faculty Council of Science and Technology, AU
	Address by HoD Dr. Sk. Md. Obaidullah, Associate Professor and Head, Dept. of CSE
Talk 1 by Prof. Dariusz Plewczynski	
2:15-3:30 PM	**Brief Bionote of Prof. Dariusz Plewczynski** Dr. Ayatullah Faruk Mollah
	Talk on "Computational methods for data driven inference of spatial genome conformation" Prof. Dariusz Plewczynski, Head, Laboratory of Functional and Structural Genomics, Center of New Technologies, University of Warsaw, Poland
	Q & A
Talk 2 by Dr. Jacek Sroka	
3:30-4:45 PM	**Brief Bionote of Dr. Jacek Sroka** Dr. Ayatullah Faruk Mollah
	Talk on "Comparative study of clustering algorithms: A big data perspective" Dr. Jacek Sroka, Assistant Professor, Faculty of Mathematics, Informatics and Mechanics, University of Warsaw, Poland
	Q & A
4:45-500 PM	Tea / Interaction

INTERNATIONAL WEBINAR

on

Recent Advances in High-performance Distributed Computing

Date: 18th August, 2020, 3.00 PM – 4.30 PM IST

Organized by

Department of Computer Science and Engineering, Aliah University, Kolkata

Title of Talks

Democratization of High Performance Computing in the era of Big Data

By Nandini Mukherjee, Professor, Department of Computer Science & Engineering
Jadavpur University

Migration Techniques in Cloud: Overview and Research Challenges

By Sarbani Roy, Professor, Department of Computer Science & Engineering
Jadavpur University

Speakers

Nandini Mukherjee

Nandini Mukherjee is a Professor and currently the head of the Department of Computer Science and Engineering, Jadavpur University, Kolkata. She is an academician as well as a scientist. She earned her Bachelor of Engineering Degree from the Department of Computer Science and Technology of Bengal Engineering College under Calcutta University, Shibpur in 1987 and obtained her Master of Engineering degree from the Department of Computer Science and Engineering, Jadavpur University, in 1991. Prof. Mukherjee began teaching in the Computer Science and Engineering Department at Jadavpur University in 1992. In 1996 she was awarded the prestigious Commonwealth scholarship for her PhD at the University of Manchester, in the UK. As of 2016 she was also the Director of the University's School of Mobile Computing.

She has more than 30 yrs of teaching experiences and during this long period she has supervised many PhD students. Her research fields include Parallel Computing, Grid Computing, Wireless Sensor Networks (WSN), IoT and sensor cloud. She has published more than 250 research articles in SCI/SCIE journals including IEEE and ACM Transactions, and conferences, several of which are in reputed international venues. She has co-authored one book, entitled Building Wireless Sensor Networks: Theoretical and Practical Perspectives (CRC Press). She has supervised research projects funded by different agencies of the Government of India. Prof. Mukherjee leads a collaborative research project to investigate the application of mobile computing and wireless sensor networks to Indian rural health systems.

Other than being an academician and a scientist, she is involved in several social activities. Prof. Mukherjee became the State Secretary of the Free Software Mancha of West Bengal. She is the Joint Secretary of the Jadavpur University Teachers' Association (JUTA) and an active member of the West Bengal College and University Teachers' Association (WBCUTA).

Sarbani Roy

Sarbani Roy is a Professor in the Department of Computer Science and Engineering, Jadavpur University, Kolkata. She obtained her M.Tech in Computer Science and Engineering from University of Calcutta, India in 2002. She received her Ph.D. degree in Engineering from Jadavpur University, Kolkata, India in 2008. She was awarded Fulbright-Nehru Senior Research fellowship in 2013-2014 and joined the research program at University of North Carolina, Charlotte, USA. Her research interests include AI for Social Good, IoT-Cloud, Social Network Analysis, Geoinformatics and Data Science. She has published SCI/SCIE journals including IEEE and ACM Transactions, Scientific Reports Nature and conferences, several of which are in reputed international venues. She has co-authored one book, Building Wireless Sensor Networks: Theoretical and Practical Perspectives (CRC Press). She has received project grants from DSTNGP, Govt. of India and DSTBT, Govt. of West Bengal. She has been involved in technical program committees, organizing committees for many international conferences. She is a senior member of IEEE, Chairperson of IEEE Computer Chapter, Kolkata Section and member of ACM.

Attendance

Number of Participants: 90

Snapshots

INTERNATIONAL WEBINAR

on

Recent Advances in High-performance Distributed Computing

18th August 2020, 3.00 PM - 4.30 PM IST

Organized by

Department of Computer Science Engineering, Aliah University, Kolkata

Website: www.aliah.ac.in

About the Webinar

Data has become the driving force behind business, academic, and social progress, forcing significant advancements in computer processing. High-performance computing (HPC) presents new opportunities to take on emerging challenges in these fields.

HPC is classified simply as the aggregation of computing power to solve a given problem. A large cluster can be made of thousands of nodes. In each node there is an HPC processor. The processor may use multiple cores in a CPU or a GPU.

On the other hand, HPC is deployed on premise, at the "edge" (i.e. near the data source), or in the cloud. HPC will increasingly be deployed in multi-cloud and hybrid (public and private) environments as well. HPC remains popular in academic and scientific settings and is increasingly used to solve problems in diverse business sectors—such as automotive, finance, economics, and agriculture, among others.

Resource Persons

Prof. Nandini Mukherjee
Department of Computer Science and Engineering
Jadavpur University, Kolkata

Topic: Democratization of High Performance Computing in the era of Big Data

Prof. Sarbani Roy
Department of Computer Science and Engineering
Jadavpur University, Kolkata

Topic: Migration Techniques in Cloud: Overview and Research Challenges

Registration

Only online Registration for the Course.
No Registration Fee.
Online Registration Link:
https://forms.gle/jUZGEL9BSWQBYvYk7

Registration link also available at
www.aliah.ac.in

Certification

e-Certificate will be sent via e-mail after 7 days of the programme only to those participants who would attend the Webinar.

Important Dates

Last date (Online Registration): **16-08-2020**
Selected Participants will be notified by email

Contact Details

Dr. Zeenat Rehena
Assistant Professor & Webinar Convener
Computer Science & Engineering Department
Mobile: +91-70034581581
Email: webinar.cse.aliah@gmail.com

Webinar will be broadcasted via Google meet.
Webinar link will be provided through email.

*Mute your speaker/microphone while attending the webinar
** Use chat box for question

Honorary Guests

CHIEF PATRON
Prof. Mohhammad Ali
Hon'ble Vice Chancellor
Aliah University

PATRON
Dr. Syed Nurus Salam
Registrar
Aliah University

CHIEF GUEST
Prof. Mehedi Kalam
Dean, Faculty of Science & Engineering
Aliah University

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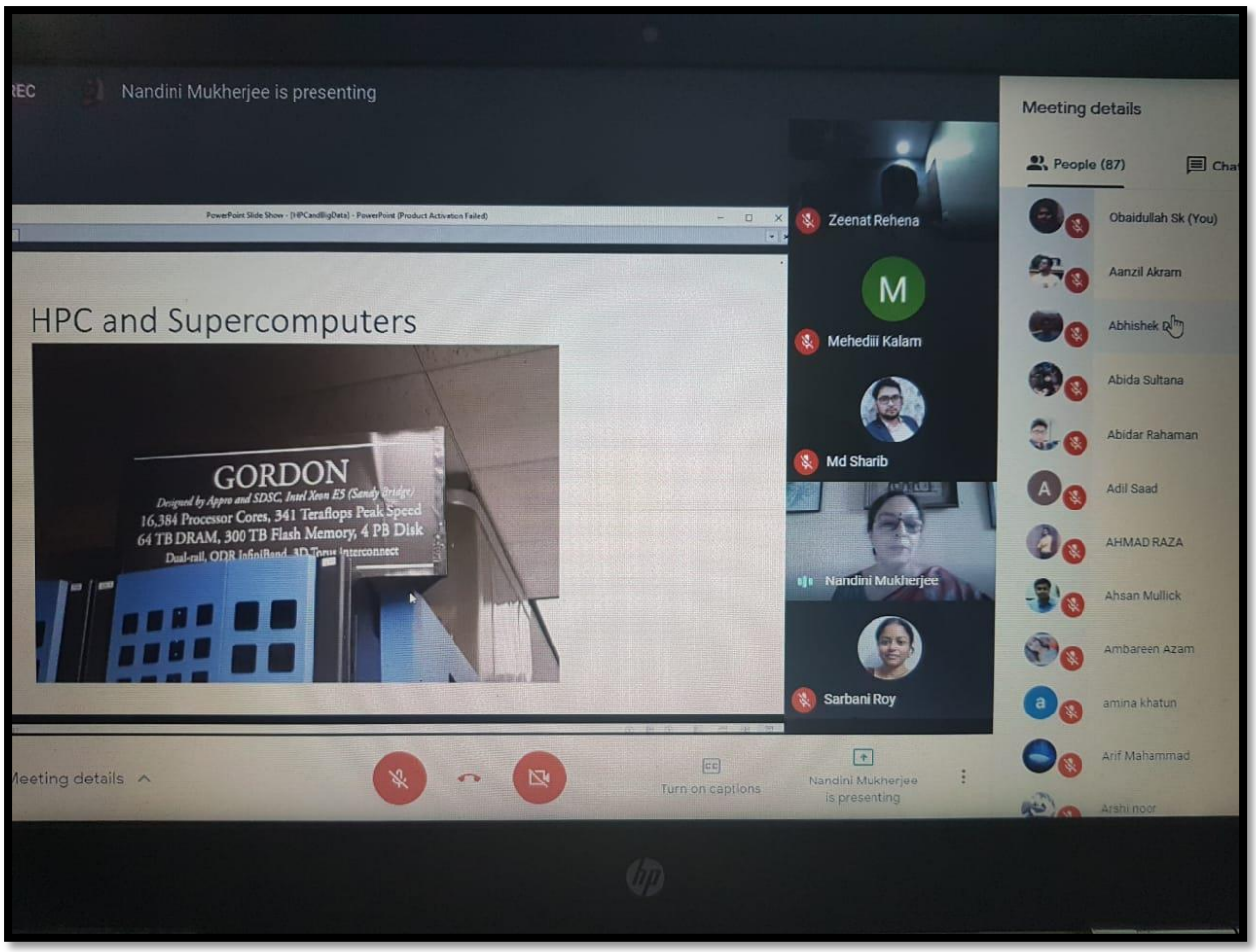
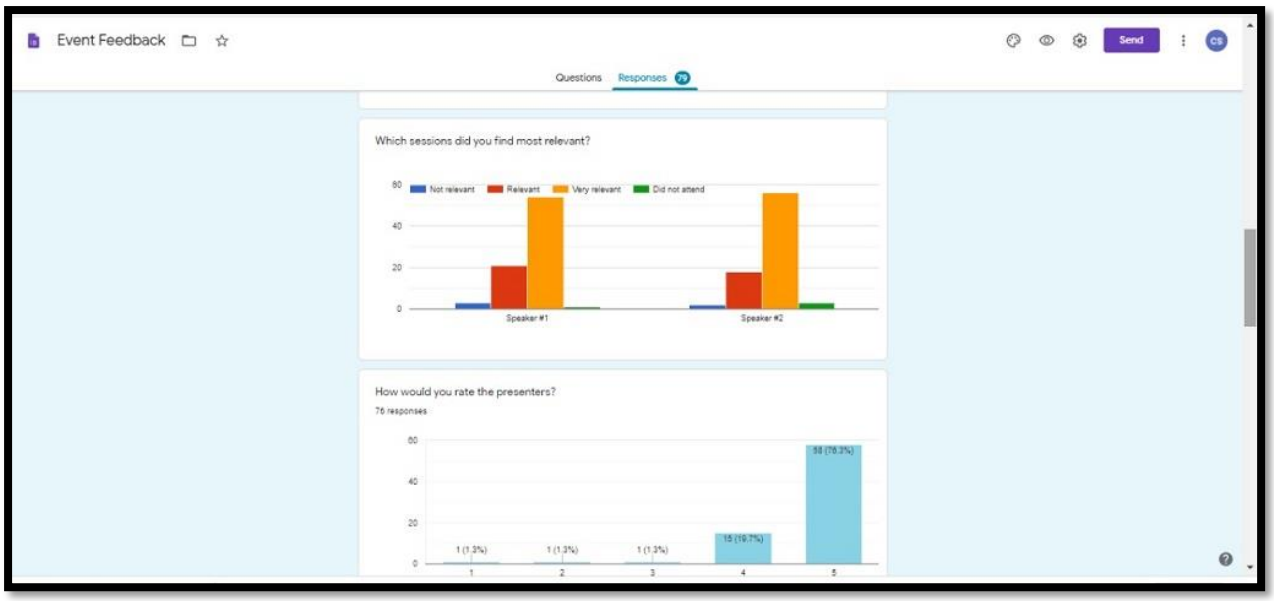
Mrs. Amina Khatun, Assistant Professor, CSE
Mrs. Moumita Chatterjee, Assistant Professor, CSE
Mr. Zafar Sarif, Assistant Professor, CSE
Mr. Ahsan Mullick, Assistant Professor, CSE
Dr. Nashreen Nesa, Assistant Professor, CSE

Brochure of the Webinar



Snapshot during presentation

Feedback submitted by the candidates



Feedback submitted by the candidates

Report On

One Day Workshop on Research Methodology (28th June,2019)

Electrical Engineering Department, Aliah University

Research is an academic activity. According to Clifford Woody research comprises defining and redefining problems, formulating hypotheses or suggested solutions; collecting, organizing and evaluating data; making deductions and reaching conclusions; and at last carefully testing the conclusions to determine whether they fit the formulating hypothesis. Therefore, to motivate students of master degree from different branches and PhD scholars, a one-day workshop on Research Methodology was organised by the Department of Electrical Engineering, Aliah University on 28th of June, 2019. Research methodology simply refers to the procedure or plan of action for conducting a research. It defines techniques and tools used to collect processes and analyze data regarding the research topic. In tune with the primary aim objectives of the workshop were devised as:

a) To facilitate and strengthen scholars involved in exploring different techniques.

b) To gain familiarity with a phenomenon or to achieve new insights into it.

c) To provide the knowledge of different types of research areas.

d) Moreover, to motivate the participants to write a good and original research paper.

As per the schedule, the workshop started at sharp 9.00 am with registration process. Prof. Amzed Hossein, Registrar (Acting), Aliah University as a Patron of the workshop and Prof. Mehedi Kalam, Dean of Faculty of Science and Technology, Aliah University, Co-Patron of this workshop was cordially invited and welcomed by the Electrical Engineering department. The inaugural session was started by Prof. Amzed Hossein. After his spellbound speech about Aliah University, Prof. Mehedi Kalam enlightened the participants by his motivated speech on research. After the speech about the Electrical Engineering department and briefly mentioned about the different sessions of the workshop by Dr. Rimi Paul, Head of the Department (officiating), the first session was started. The workshop was divided into three lecture sessions. The first lecture was held before lunch. First session started with opening remarks by Prof. Rajarshi Gupta, Department of Applied Physics, Calcutta University who started the discussion about the topic entitled “How to write a good research paper”. His immense knowledge on drafting research papers, tools for writing

Reported by: Dr. Rimi Paul

bibliography and research papers, knowledge about choosing journal or conference and the methodology for writing literature review enlightened and motivated students. The second session was conducted by Prof. Biswarup Basak, Electrical Engineering Department, IIEST, Shibpur who explained research methodology, research steps, how to select research problems and components used in research. The third session was conducted by Prof. Sugata Adhikari, SQCT and P unit, ISI, Kolkata who demonstrated the applications of statistics in research. The students showed keen interest in the workshop and have gained knowledge in the topics of Research methodology. They had the opportunity to familiarize themselves with technical writing, tools and methodology for research whilst also having the opportunity to interact with some of the eminent resource persons in various renowned institutes.

This one day workshop was possible to conduct successfully due to the University Fund granted by Prof. Mahammad Ali, Hon'ble Vice Chancellor. The workshop chairperson was Dr. Rimi Paul, Head of the Department of Electrical Engineering. The convener was Dr. Sharmistha Mandal. The co-convener was Dr. Nasim Ali Khan. The organizing committee members were Mr. Biswapriya Chatterjee, Mr. Md. Aftab Alam, and Mr. Pallav Dutta. The different activities such as form fill up, registration, fund collection, brochure design, banner design, certificate design, arrangements of kits and distribution among students and faculties, contact to eminent persons and taking care of their hospitality, manage the participants and their lunch and snacks arrangements, distribution of certificates; overall to conduct the workshop successfully were possible due to the continuous hard work of all faculty members including the members Mr. Mrinal Pal, Laboratory Instructor, Mr. Wasim Ikbal Tarafdar , Technical Assistant, Mr. Nashim Mandol, Junior Assistant, Mr. Minhaz Khan and Ms. Sreya, M. Tech students, Mr. Md. Sohail Ansari, UG final year student and Mr. Selim Mondal, Guest faculty. All eminent resource persons were happy to be a part of this programme and the hospitality received from the Electrical Engineering Department. The technical persons from industry and PG, PhD and UG final year students from various institutes were eligible to participate in this programme. The registration fee for industry people was Rupees five hundred and for the academician, it was rupees one hundred only. Overall sixty students and faculty members from different departments participated. During the valedictory session, the certificates were handed out by Dr. Rimi Paul, HOD (officiating) of Electrical Engineering department. She thanked Aliah University, Chief Patron, Patron, Co-Patron, members of this workshop, all the resource persons, and participants for their cooperation towards conduct of the workshop.

Reported by: Dr. Rimi Paul

One Day Workshop

on

Recent Trends in IoT and its Applications

Organized by Department of Computer Science and Engineering, Aliah University, Kolkata

Date: 20th February, 2023

Title of Talks

Overview of IoT-Cloud based System for Societal Applications

By Sarbani Roy, Professor, Department of Computer Science & Engineering
Jadavpur University

IoT and its key technologies

By Nandini Mukherjee, Professor, Department of Computer Science & Engineering
Jadavpur University

Understanding the Internet of Things and its Application

By Indrajit Banerjee, Associate Professor, Department of Information Technology
IIEST Shibpur

Building IoT Solutions: A Hands-On Journey from Sensor Nodes to the IoT Cloud

By Soumyadeep Sur, Research Scholar, Department of Computer Science & Engineering
Jadavpur University

Speakers

Sarbani Roy

Sarbani Roy is a Professor in the Department of Computer Science and Engineering, Jadavpur University, Kolkata. She obtained her M.Tech in Computer Science and Engineering from University of Calcutta, India in 2002. She received her Ph.D. degree in Engineering from Jadavpur University, Kolkata, India in 2008. She was awarded Fulbright-Nehru Senior Research fellowship in 2013-2014 and joined the research program at University of North Carolina, Charlotte, USA. Her research interests include AI for Social Good, IoT-Cloud, Social Network Analysis, Geoinformatics and Data Science. She has published SCI/SCIE journals including IEEE and ACM Transactions, Scientific Reports Nature and conferences, several of which are in reputed international venues. She has co-authored one book, Building Wireless Sensor Networks: Theoretical and Practical Perspectives (CRC Press). She has received project grants from DSTNGP, Govt. of India and DSTBT, Govt. of West Bengal. She has been involved in technical program committees, organizing committees for many international conferences. She is a senior member of IEEE, Chairperson of IEEE Computer Chapter, Kolkata Section and member of ACM.

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Indrajit Banerjee

Dr Indrajit Banerjee is currently an Associate Professor in the Department of Information technology at Indian Institute of Engineering Science and Technology , Shibpur. Dr. Banerjee obtained his PhD from the Bengal Engineering and Science University, Shibpur in 2014. He received the Chester Sall Award from IEEE Transactions on Consumer Electronics, the USA, in 2016 and 2022 and received several best paper awards. His research interest include IoT, WSN, Cloud Computing and Security. Under his guidance, several students have completed their PhD. Dr Banerjee has conducted numerous research projects sponsored by MOIL India, DST India, WB DHESTB, AICTE, UGC, to name a few. He is the reviewer of various International Journals including IEEE Transactions on Vehicular Technology, IEEE Internet of Things Journal, Computer communication Elsevier, AdHoc Network Journals, among many others. He has patents on different IoT devices and has several copyrights on related software.

Soumyadeep Sur

Soumyadeep Sur is currently a research scholar at Jadavpur University. Apart from being a researcher he is also an IoT developer.Mr. Sur holds a BSc(H) in Computer Science from Surendranath College, and a M.Sc and M.Tech in Computer Science from the Department of Computer Science and Engineering, University of Calcutta. His passion for IoT has led him to explore a range of topics, from sensor device prototyping to wireless communication and IoT cloud. Mr. Sur has keen interest in finding new and innovative ways to leverage the power of IoT to solve real-world problems. Mr. Sur has also completed a certification program in "Open Hardware Based Communicable Digital Bio Sensing Platform" organized by the University of Calcutta and IIM Kolkata, in the year 2018 which helped him to develop a deep understanding of the technical aspects of building IoT devices.

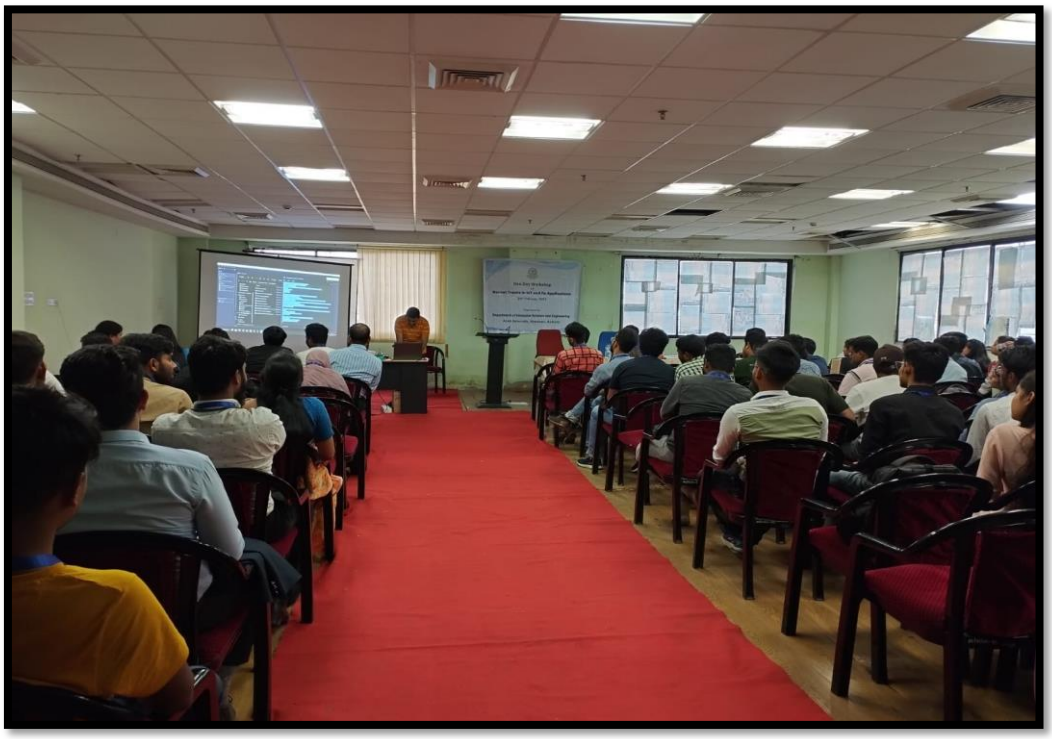
Attendance

Number of Participants: 75

Snapshots

All Faculty Members with Speakers

Participants



Demonstration of IoT Cloud by Soumyadeep Sur

Talk given by Prof. Nandini Mukherjee

Broucher of the Workshop

One Day Workshop
on
Recent Trends in IoT and its Applications
20th February, 2023

PROGRAMME SCHEDULE

Item	Time	Agenda	Speaker
1.	9:30 – 10:30 AM	REGISTRATION	
2.	10:30 – 11:00 AM	Inaugural Session	Opening remarks by Hon'ble Vice Chancellor, Registrar, Dean (Faculty of Science & Tech.) and Head of the Department, CSE
3.	11:00 – 11:15 AM	HIGH TEA	
4.	11:15 – 12:15 PM	**Session 1: Talk 1**	By Prof. Nandini Mukherjee, Professor, Jadavpur University, Kolkata
5.	12:15 – 1:15 PM	**Session 1: Talk 2**	By Prof. Sarbani Roy, Professor, Jadavpur University, Kolkata
6.	1:15 – 2:15 PM	LUNCH BREAK	
7.	2:15 – 3:15 PM	**Session 2: Talk 3**	By Dr. Indrajit Banerjee, Associate Professor, IIEST, Shibpur
8.	3:15 – 4:30 PM	**Session 2: Hands-on demonstration**	By Soumyadeep Sur, Research Scholar, Jadavpur University, Kolkata
9.	4:30 – 5.00 PM	VALEDICTORY	

A two-day technical workshop
on
Storage and Office management using Google Cloud Platform (GCP)

20-21March 2021

Organized by

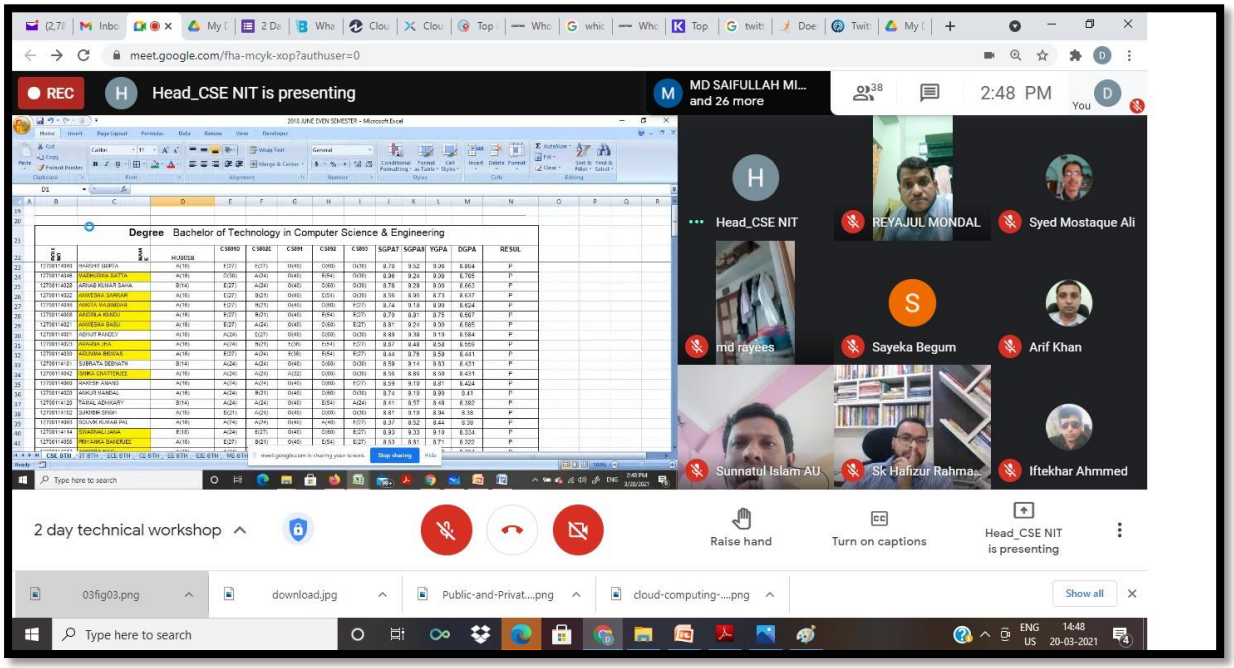
Department of Computer Science and Engineering

The Department of Computer Science and Engineering organized a two-day technical workshop on "Storage and Office Management using Google Cloud Platform (GCP) Services" for the university's non-teaching and technical staff members on March 20th and 21st, 2021. Dr. Zeenat Rehena, Asst. Professor and Mr. Ahsan Mullick, Asst. Professor, Dept of CSE both are joint-coordinated of the program. The resource personnel were Prof. Jayanta Pal, HoD & Prof., Dept. of CSE, Narula Institute of Technology, Dr. Zeenat Rehena, Asst. Professor and Dr. Souvik Sengupta, Associate Professor, both from the Dept of CSE, Aliah University.

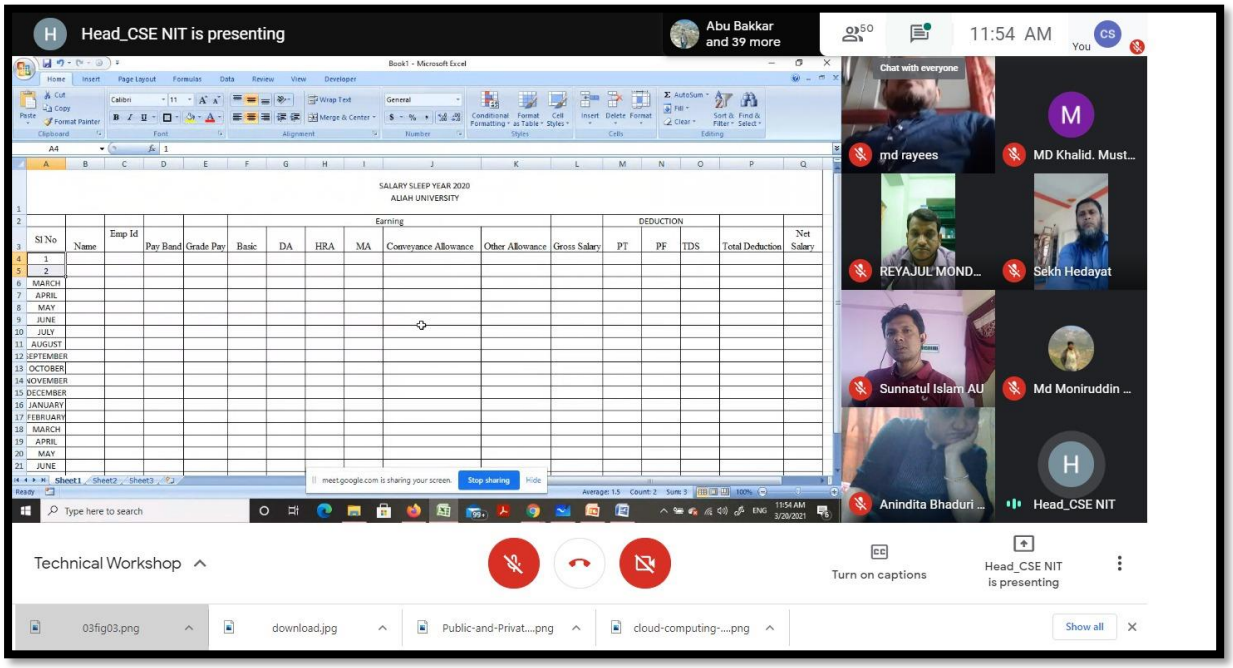
The program started on 20th March with an inaugural speech by the HVC, Registrar, Deans of the University, and the HOD of CSE. Then, in the technical session, Prof. Jayanta Pal explained lucidly the topic 'Excelling yourself with MS Excel' with the hands-on session. On day two, Dr. Rehena excelled in her delivery on the topic "Cloud Platforms in Industry" by explaining some use cases. In the second half, Dr. Sengupta elaborated on "Essentials Google Apps at Workspace" by showcasing some practical issues. Finally, the program ended with a vote of thanks from Dr. Abhishek Das, Associate Prof., Dept of CSE, Aliah University.

More than 50 participants attended the workshop. It was a good blend of interactive lectures and hands-on sessions, which the attendees thoroughly enjoyed. The program created a lot of enthusiasm and positive vibes among the participants.

Snapshots:



Snapshot during Presentation



Snapshot during Presentation

International Webinar on 'Mediated Mythical Discourses: Media Semiotics and Research

Department of Journalism and Mass Communication, Aliah University, Kolkata West Bengal organized a One Day International Webinar on 'Mediated Mythical Discourses: Media Semiotics and Research' on the 31st January 2021.

The event was addressed by Prof Arthur Asa Berger Professor Emeritus, Broadcast and Electronic Communication Arts San Francisco State University on the topic 'Myth and Media Semiotics'. The webinar also had a deliberation by Prof K.V.Nagaraj, Professor (Rtd) and former Pro Vice Chancellor, Assam University on 'Many Dimensions of Communication Research in India'. The webinar witnessed participation from across India, around 500 participants registered for the

webinar and almost 160 +participants joined the two and half hour long session. The webinar also witnessed participation from academics, research scholars from not only India but around the globe, with around 5 faculty members from Bangladesh attending the session.

Prof Berger in his presentation briefly discussed about the use of Methods of Analysis
Semiotic Theorists. He also deliberated on methods of interpreting texts with focal points: Art/Artist/America/Audience/Media. He then went on to explain concepts such as Myth, Myth Model, Myth of David and Goliath, Myth and Macintosh, Myth Model and Fidji Advertisement from his works.

Prof K.V. Nagaraj delivered his lecture on the developments of communication research in India and its many dimensions. He further stressed on the need for diversification and innovation in research design in among Indian media researchers to take it to global standard.

Prof Arthur Asa Berger is Professor Emeritus of Broadcast and Electronic Communication Arts at San Francisco State University, where he taught between 1965 and 2003. He has published more than 100 articles, numerous book reviews, and more than 60 books. Some of his very renowned books are Media Analysis Techniques with its 6th edition in 2018, Media and Communication Research Methods: An Introduction to Qualitative and Quantitative Approaches (2013). He has also written a number of academic mysteries such as Durkheim is Dead: Sherlock Holmes is Introduced to Sociological Theory (2003) and Mistake in Identity: A Cultural Studies Murder Mystery (2005), Signs in Society and Culture , Shopper's Paradise: Retail and American Consumer Culture, Humor, Psyche and Society, Three Tropes on Trump ,Brands and Cultural Analysis, Marketing and American Consumer Culture, Applied Discourse Analysis , USA POP: Culture/Fashion/Style/Taste, Ads, Fads and American Consumer Culture. His books have been translated into eight languages and thirteen of his books have been translated into Chinese.

The second speaker of this International Webinar was Prof Krishnapuram Venugopal Nagaraj, who has been a professor of repute in Indian media education. Prof Nagaraj has been associated with Media Education since three decades and has served as Professor in many Universities as well as pro- Vice chancellor of Assam Central University. He worked for different agencies including Second Press Commission, India, University Grants Commission, India, Indian Council for Social Science Research, National Council for Science and Technology communication and Press Council of India. Prof. Nagaraj has supervised more than 50 doctoral and MPhil scholars at various universities. He has convened, chaired and organized serious academic congregations the most recent being the International Web Convention on 100 years of media education in South Asia. Prof. Nagaraj authored ten books. He works as an editorial advisor of various research journals and contributes in national and international journals.

The link of the video of the webinar in Youtube is : https://www.youtube.com/watch?v=3tz-v-MSdFc&t=2751s

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