



**AICTE TRAINING AND LEARNING (ATAL) ACADEMY PROGRAMME
ON
INTERNET OF THINGS (IoT) AND ITS APPLICATIONS**

October 21 - 25, 2019



**Organized by:
Department of Computer Science and Engineering, Tezpur University
Tezpur University, Nagaam, Assam-784028**

The one week long workshop on **INTERNET OF THINGS (IoT) AND ITS APPLICATIONS** is designed to disseminate knowledge on basic technologies of IoT and its applications in today's cyber physical system (CPS). It is anticipated that the participants would gain far reaching insights and enrich their knowledge in the field.

This workshop is approved by AICTE and is a part of the ongoing efforts to meet a wide range of technical and non-technical learning, research and innovation needs going on in the field of IoT. It is a step towards the development of a skilled workforce in the field of IoT.

IoT TRACK:

Topics to be covered (but not limited to):

- Basics of IoT
- IoT Stack and Networking
- Hardware, Sensors and Actuators
- IoT Platform Architecture
- IoT Gateway
- IoT Protocols and Services

Illustrative hands-on session:

- Using IoT kit and programming

IoT APPLICATIONS TRACK:

Topics to be covered (but not limited to):

- IoT in Resource Management
- Industrial IoT and IoT in Enterprise
- IoT in Transportation
- IoT in bio-energy management
- Smart cities & IoT
- IoT in Environmental Monitoring
- IoT in Healthcare
- IoT in Education

Eminent experts and researchers from IT Industries such as –CDAC and Ekagga will deliver lectures and engage in hands on session and interactions.

PATRON

Prof. V. K. Jain, Vice Chancellor, TU

ADVISORS

- Prof. D. K. Saikia, Pro-Vice Chancellor, TU
- Prof. D. K. Bhattacharyya, Dean, Academic Affairs
- Prof. B. Bora, Head, CSE, TU
- Prof. S. K. Sinha, Dean, School of Engineering
- Prof. D. C. Baruah, Director, IQAC, TU
- Prof. U. Sharma, CSE, TU
- Prof. N. Sarma, CSE, TU
- Dr. S. Saharia, Head, Computer Centre, TU

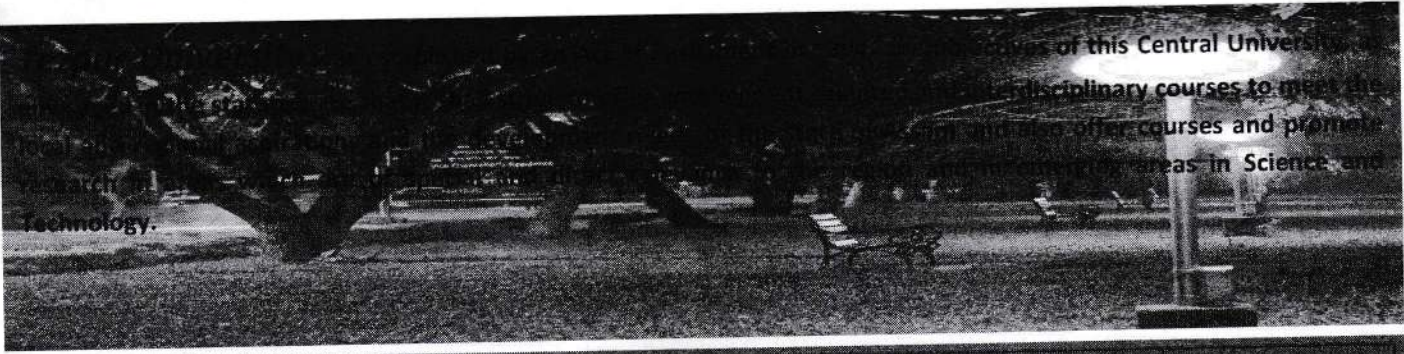
VENUE

Seminar Hall, Dept. of Computer Science & Engineering
Tezpur University, Tezpur, Assam.

ORGANIZING COMMITTEE

- Dr. S. K. Deka, Coordinator
- Dr. Debojit Boro, Joint-Coordinator
- Dr. Nabajyoti Medhi, Joint-Coordinator
- Dr. Arindam Karmakar
- Dr. Sanghamitra Nath
- Dr. Swamajyoti Patra
- Dr. Shobhanjana Kalita
- Dr. P. K. Choudhury
- Dr. Durlav Sonowal





Tentative Schedule is as follows:

Date	10:00 AM to 11:30 AM	11:30 AM to 12:00 PM	12:00 PM to 1:30 PM	1:30 PM to 2:30 PM	2:30 PM to 4:00 PM	4:15 PM to 4:45 PM
21/01/2022	Registration and Inauguration	High Tea	Session 1 Expert name: Mr. D. Maltra Designation: Project Engineer, C-DAC R & D, Pune	Lunch	Session 2 Expert name: Mr. D. Maltra Designation: Project Engineer, C-DAC R & D, Pune	Tea
22/01/2022	Session 3 Expert name: Mr. D. Maltra Designation: Project Engineer, C-DAC R & D, Pune	Tea	Session 4 Expert name: Mr. D. Maltra Designation: Project Engineer, C-DAC R & D, Pune	Lunch	Session 5 Expert name: Dr. Ranicharan Baishya Designation: Alumni TU	Tea
23/01/2022	Session 6 Expert name: Dr. Ranicharan Baishya Designation: Alumni TU	Tea	Session 7 Expert name: Mr. Praveen Kumar Designation: CEO, Ekagga Technology and Services	Lunch	Session 8 Expert name: Mr. Praveen Kumar Designation: CEO, Ekagga Technology and Services	Tea
24/01/2022	Session 9 Expert name: Mr. Praveen Kumar Designation: CEO, Ekagga Technology and Services	Tea	Session 10 Expert name: Mr. Praveen Kumar Designation: CEO, Ekagga Technology and Services	Lunch	Session 11 Expert name: Mr. Praveen Kumar Designation: CEO, Ekagga Technology and Services	Tea
25/01/2022	Session 12 Expert name: Mr. Praveen Kumar Designation: CEO, Ekagga Technology and Services	Tea	Session 13 Expert name: Mr. Praveen Kumar Designation: CEO, Ekagga Technology and Services	Lunch	Session 14 Expert name: Mr. Praveen Kumar Designation: CEO, Ekagga Technology and Services	Valediction

Faculty members, Research Scholars, and PG students from various government or private Engineering Colleges / Institutions / Universities with teaching and research interests in the area of IoT are eligible to participate in the workshop.

Hostel and Guest House accommodation is subject to availability and charges have to be borne by the participants. No TA/DA will be provided to the participants.

All mails should be directed to iotworkshop@tezu.ernet.in.

For registration, please follow the link: <https://forms.gle/wfR4JLg2aMevdHZq5>

Accommodation for participants is limited and will be provided subject to prior intimation via mail and on a first-come-first-serve basis.

Regular bus services are available from Guwahati (ISBT) to Tezpur ASTC Bus Station via Nagaon or Mangaldai. To reach Tezpur University, University Bus Services are available from Tezpur ASTC Bus Station via Paruwa to University Campus.



M. Mondal
29/01/2022
Head
Department of Computer Science & Engg
Tezpur University

Registration Sheet

ATAL ACADEMY PROGRAMME on IOT and its Applications
ATTENDANCE SHEET

Institute Name - TV		Coordinator's Name - Sarajib Kumar Das		Thrust Area - IOT and its Applications	
Institute Address - Tezpur		Date of Program - (21/10/2019 to 25/10/2019)		Course code - AGHY0017	
Institute Name - TV		Coordinator's Name - Sarajib Kumar Das		Thrust Area - IOT and its Applications	
Institute Address - Tezpur		Date of Program - (21/10/2019 to 25/10/2019)		Course code - AGHY0017	
S.No.	Name of Participant	Category/Faculty/Research Scholar / PG Student	Participant's Institute	Mobile No.	Email address
1	SANBIF DAS	PG Student	Assam Engg. College	7005247316	Sandip1992@gmail.com
2	Himanka Choudhury	PG Student	Assam Engg. College	7003328019	himanka.choudhury.00@gmail.com
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4	Srimoy Kalita	PG Student	Assam Engg. College	7627024639	STJ1539@gmail.com
5	KANKON SHARMA BARMAN	PG Student	Assam Engg. College	8486408181	kankonsh@gmail.com
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9	BISWAJIT DUTTA	PG Student	ASSAM ENG. COLLEGE	9700370917	biswajitdutta@gmail.com
10	ANGSHUMAN D. SWARNA	PG Student	ASSAM ENG. COLLEGE	7002393302	angshuman.d.swarna@gmail.com



Registration Sheet
Department of Computer Science & Engineering
Assam University
Tezpur

(2)

S.No.	Name of Participant	Category/Faculty/ Research Scholar (PG Student)	Participant's Institute	Mobile No.	Email address
11	HIMANSHU, RAJ PATIL	PG Student	Assam Engg college	9613239988	himanshu.rajpatil@gmail.com
12	Ashish Agarwal	PG Student	Assam Engg College	8723910410	ashish.rajpatil@gmail.com
13	Pallab Ka Barua	PG Student	Assam Engg College	8722037317	pbpallabbarua@gmail.com
14	Hemangini Goswami	PHD scholar	Cotton University	7002094979	hemangini575@gmail.com
15	Himangirajoti Nath	PhD scholar	Cotton University	9707444666	nimuzenith@gmail.com
16	Rohit Kumar Das	PHD scholar	JEC, Soled	8638009057	dashankumar@gmail.com
17	Dr. RANJAN SARMAH	Assistant Professor	ARGUICOM, Sivasagar	94351-56782	sarmah.ranjan@gmail.com
18	SAURAV CHOUDHURY	PG Student	Assam Engg College	7399748970	saurav.cho666@gmail.com
19	PRIYANKA BARDALAI	PHD SCHOLAR	TEZPUR UNIVERSITY	8134071450	priyanka@tezu.edu.in
20	JIMONTI SAIKIA	PG student	TEZPUR UNIVERSITY	6000599163	jimoni191@gmail.com
21	SIMYOEE SAHARJAH	PG student	TEZPUR UNIVERSITY	8486918813	saimoyee43@gmail.com
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23	TAPAS SAHA	PHD SCHOLAR	TEZPUR UNIVERSITY	9775357797	tapas.saha.19@gmail.com
24	TAMAL SARKAR	PHD SCHOLAR	TEZPUR UNIVERSITY	9830822283	tamaldsarkar@gmail.com
25	Siddhanta Bhujar	M.Tech IT	"	8638894229	malleswarthibujar@gmail.com

16/07/2022
 18/07/2022
 Department of Computer Science & Engineering
 Tezpur University



S.No.	Name of Participant	Category/Faculty/ Research Scholar / PG Student)	Participant's Institute	Mobile No.	Email address
26	Muorti Ven	M. Tech	Tegpur University	7002288812	dasrmaai9994@gmail.com
27	ADHI Deb	M. Tech (IT)	Tegpur University	9435854809	adipitad5@gmail.com. com.
28	PUNAM SHARMAH	M. Tech (IT)	Tegpur University	7002269435	som mukherjee@gmail.com
29	Tejna Sinha	M.Tech (IT)	Tegpur University	700223229	shwikha14@gmail.com
30	Abhinav Gogoi	M. Tech (IT)	Tegpur University	8133960837	aggoi6@gmail.com
31	Bhrendra Kushaha	M. Tech (IT)	Tegpur University	9792701529	ibandjendavro@gmail.com
32	Shubham Pandey	M. Tech (IT)	Tegpur University	9085661980	shubhampandey@gmail.com
33	Garima Sarma	M. Tech (IT)	Tegpur University	8618259757	garimayadava@gmail.com
34	NITYA GIRANI	PGD Research	Tegpur University	9401989406	nityajitani@gmail.com
35	Majantul Khatun	Researcher	Tegpur University	9436059101	majantul@gmail.com
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39	Shravan K. Singh	M. Tech (IT)	Tegpur University	9110420090	Singhshravan18@gmail.com
40	Dipanshu Khanna Bandyopadhyay	M. Tech (IT)	Tegpur University	7002403770	dankhannad5@gmail.com



13/06/2022
 Department of Computer Science & Engineering
 Tezpur University

4

S.No.	Name of Participant	Category(Faculty/ Research Scholar / PG Student)	Participant's Institute	Mobile No.	Email address
41	Sahil Jorani	PG Student	TEZPUR Univ	9127110646	hitzjho@gmail.com
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43	Angkit Sarma	PG student	Tezpur University	9990797061	angkit93@gmail.com
44	Sachin Sankar	Ph student	Tezpur University	8638225183	sachin_sankar@yahoo.com
45	Prayansh Choudhury	Research scholar	Tezpur University	7003171218	schoudhury202@gmail.com
46	Shrinakshu Samra	RS	Tezpur University	8971865365	shrinakshu1@gmail.com
47	Nabujjal Nath	MCA	Tezpur University	7086827208	nabujjal@gmail.com
48	Babu Sankar	M.Tech	Tezpur University	7986382978	babu_sankar2015@gmail.com
49	Dipankar Mondal	M.Tech	Tezpur University	6000601874	DIPANKAR MONDAL@gmail.com
50	Sukesh Bhardwaj	MCA	Tezpur University	8724842958	sukeshbhardwaj@gmail.com

51 Anuj Kumar Nath 801197831 anujkumar_nath@gmail.com

52 Abhishek Sengupta 7002939358 senabhishek4@gmail.com



Handwritten signature and date: 22/07/2022

Tezpur University
Department of Computer Science & Engineering

NAME & ADDRESS OF THE INSTITUTE: TEZPUR UNIVERSITY, ASSAM

UTILIZATION CERTIFICATE FOR THE FINANCIAL YEAR.....

Name of the Scheme under which Grant was sanctioned AICTE Training and Learning Academic Programme
(to be submitted separately for each sanction order)

AICTE File No. : 01/AICTE/ATAL-HQ/2019-20 dated 20 August, 2019
 Name of Co-ordinator : Dr. Sanjib K. Deka
 Dates of the Programme : 21-25 Oct, 2019

Title of the ATAL Programme : ATAL Academy Programme on IoT and Its Application

Sl. No.	AICTE Sanction Order/Letter No. & Date under which grant was sanctioned	Amount (Rs.)	
1.	F.No.01/AICTE/ATAL-HQ/2019-20, dated 20 August, 2019	Rs.1,62,000/-	Certified that out of the grant-in-aid of Rs. 1,62,000/-(One Lakh Sixty Two Thousands only) sanctioned by the AICTE during the financial year 2019-20 in favour of Tezpur University as per letter mentioned in the margin, Rs. ___ on account of unspent balance of previous year, Rs. ___ on account of other income / receipts, a sum of Rs. 1,62,000/- (One Lakh Sixty Two Thousands only) has been utilized for the purpose for which it was sanctioned and the balance of Rs. ___ remained unutilized at the end of the year.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised:-

- Audited Annual Accounts of the Institute
- Receipt and Payment account
- Periodical Progress Reports.

(1). Name, Signature & Address of the Claimant/Awardee/Coordinator with seal:

Dr. Sanjib K. Deka, Asso. Prof., Dept. of CSE, TU

Asso. Professor
Department of Computer Science & Engg
Tezpur University

2). Signature of Chartered Accountant:

Name of Chartered Accountant:
 Membership No:
 Rubber stamp:
 Full Address: MC ROAD, TEZPUR.
 Date:

(3). Signature of Head of the Institute:

Name & Designation of the Head of Institute:
 Rubber stamp: Registrar
 Full Address: Tezpur University
 Date:

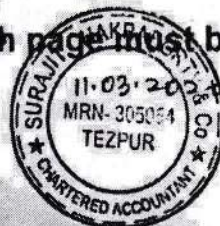
For SURAJIT CHAKRABORTY & CO.
 CHARTERED ACCOUNTANTS

(4). Signature of the Finance Officer/Accounts Officer:

Name of the Finance Officer/Accounts Officer:
 (If it is Govt./Govt. Aided Institute)
 Finance Officer
 Tezpur University

CA. SURAJIT CHAKRABORTY
 (Proprietor)
 Membership No. 304954

Note:- If it is more than one page, each page must be signed in all annexure



AICTE Training And Learning(ATAL) Academy Programme

FORMAT FOR STATEMENT OF EXPENDITURE


AICTE File No.: 01/AICTE/ATAL-HQ/2019-20 dated 20 August, 2019

Title of the Programme : ATAL Academy Programme on IoT and Its Application

Name of the Coordinator : Dr. Sanjib K. Deka

<u>Sanction No. and Date</u>	<u>Grant Sanctioned</u>	<u>Details of expenditure Incurred Itemwise</u>	<u>Amount Rs. (in each head)</u>	<u>No. of Participants</u>	<u>Duration of the Programme (with dates)</u>
F.No.01/AICTE/ATAL-HQ/2019-20, dated 20 August, 2019	Rs. 1,62,000/-	1. Honorarium to Vice Chancellor	0	50	5-Days (21-25, Oct, 2019)
		2. Honorarium to Course Coordinator	10,000		
		3. Honorarium to Resource Persons	42,000		
		4. Refreshment and Lunch	76,544 *		
		5. Institutional Charges	0		
		6. Miscellaneous charges	33,456 *		
		Total	1,62,000		
		Grant Received	1,62,000		
		Balance to be Received	0		

* The excess expenditure for Refreshment and Lunch of Rs. 1,544/- and Miscellaneous charges for Rs. 23,456/- was adjusted with the amount sanctioned towards Honorarium to Vice-Chancellor of Rs. 10,000/- and Institutional Charges of Rs. 15,000/-.

(1) Dr. Sanjib K. DekaName and Signature of Coordinator
with Seal


Asso. Professor
Department of Computer Science & Engg
Tezpur University

(2) [Signature]Name and Signature of
Head of Institution with Seal
Registrar
Tezpur University(3) Signature (with Seal) of the Finance Officer/
Auditor/Accounts Officer Finance Officer
(If it is Govt./Govt. Aided Institute) Tezpur University

(4) Signature of Chartered Accountant:

Name of Chartered Accountant:

Membership No:

Rubber stamp: For SURAJIT CHAKRABORTY & CO.
CHARTERED ACCOUNTANTS

Full Address:

Date:

MC ROAD, TEZPUR, CA. SURAJIT CHAKRABORTY
(Proprietor)

Membership No. 305054

Note:-If it is more than one page, each page must be signed in all annexures.



[Signature]
Head
Department of Computer Science & Engg
Tezpur University



SURAJIT CHAKRABORTY & CO.
CHARTERED ACCOUNTANTS

C/o-Akashganga Bldg, 1st floor, M.C. Road, Near Jonaki Cinema,
Tezpur (784001), Tel-8011631406, E-mail :- surajitc2011@yahoo.com

Name:- Dr Sanjib Kr Deka
Address:- Dept of Computer Science and Engineering

Particulars	Amount
Fee for certification of UC/SE for programme 'ATAL Academy Programme on IoT and its Application'	2,000.00
Rupees Two Thousand Only	2,000.00

Place :- Tezpur
Date :- 11/03/2020



For Surajit Chakraborty & Co.
Chartered Accountants


CA Surajit Chakraborty
(Proprietor)
M.No-305054

Note :- Cheques & Drafts are accepted in favour of SURAJIT CHAKRABORTY.




09/02/2022
Head
Department of Computer Science & Engg
Tezpur University

Photographs of ATAL Academy Programme on IoT and Its Applications

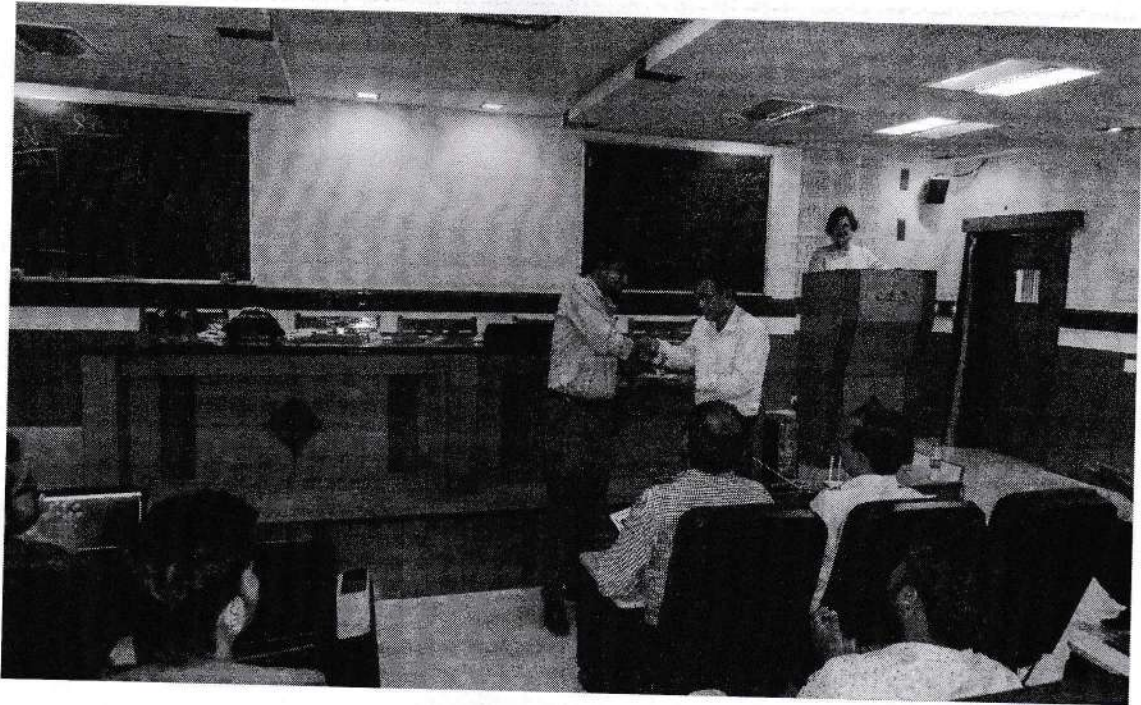


Photo1: felicitation of Expert from Ekagga Technology, Bangalore

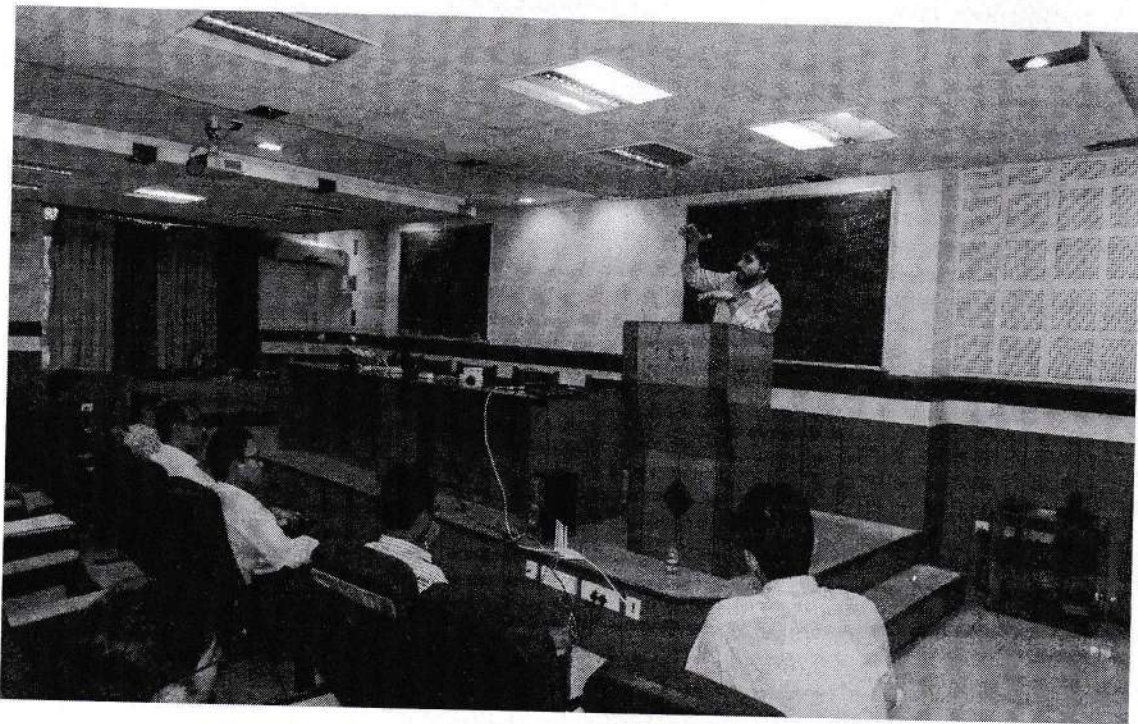


Photo2: Expert from Ekagga Technology, Bangalore Delivering lecture



B. B. B.
09/02/2022
Head
Department of Computer Science & Engg
Tazour University



Photo3: Hands on training session



Photo4: Participants during the event



B. Bouay
09/02/2022
Head
Department of Computer Science & Engin
Tazour University