



Workshop on IOT and Security
March 27-28, 2017
Venue: Department of Computer Science and Engineering
Tezpur University, Napaam, Assam



Organized by:

Department of Computer Science and Engineering Tezpur University, Napaam, Assam
in association with
Department of Computer Science and Engineering, IIT Guwahati, Assam

Nowadays, smart grid, smart homes, smart water networks and intelligent transportation are the new catch terms in our day-to-day life that have connected our world like never before. The common vision of such systems is associated with the concept of "Internet of Things" (IoT), wherein through the use of sensors, the system infrastructure is intertwined with information and communication technologies. Here, with the use of network embedded devices, intelligent monitoring and management can be achieved. These types of sophisticated dynamical systems require devices to be interconnected via distributed sensor networks to transmit useful measurement information and control. With the rapid technological development of sensors, wireless sensor networks (WSNs) has become the key technology for IoT.

With this background, Department of CSE, IIT Guwahati in association with Dept of CSE, Tezpur University is organizing a Workshop on 'IoT and Security' during March 27-28, 2017. The workshop includes valuable deliberations from the IITG and IITG experts on the state-of-the-art 802.11 WiFi Networks and Cloud Security along with discussions and exchange of ideas that assures to offer an enlightening platform for the people working in this research area.

The topics for the deliberations include:

- Hands-on session on 802.11 WiFi Networks: Basics, vulnerabilities, hacks
- Sniffing, Bands
- Promiscuous Modes
- Analyzing Ap-Client Connections
- Analyzing Wlan Headers
- Bypassing Mac Filters
- Wlan Authentication Hacks
- Man-In-The-Middle Attack
- Wep Cracking, Wpa/wpa2 Cracking
- Rogue Access Point & Evil Twin Access Point
- Authentication Flooding Attack
- Deauthentication/Dissociation Flood attack.

- Introduction to cloud computing and its security.
- Authentication, Authorization and Access Control in cloud.
- Identity Issues, Single Sign On, Open Identity Protocol
- Threats, attacks on Cloud based Systems and how to secure them.
- Demonstration of cloud based security using Amazon AWS
- Hand on cloud security using AWS.
- Hands on using open protocols for authentication.

Who can apply?

Students, Faculty, Researchers and Industry candidates interested in IOT technologies and WSNs. **Candidates should send a mail expressing their interest** to participate in the workshop to one of the following:

deb0001@tezu.ernet.in, ddas@tezu.ernet.in, zubin@tezu.ernet.in

Registration:

Registration of candidates will be conducted on the first day of the workshop (27/03/2017) at 9AM. **Candidates should send a mail expressing their interest for participation by 24/03/17.**

Accommodation fee: Out-station candidates should declare previously if accommodation is required in guest house or hostels. Guest house accommodation is based on seat availability. Candidates will pay for their accommodation.



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



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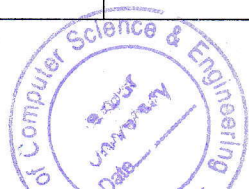
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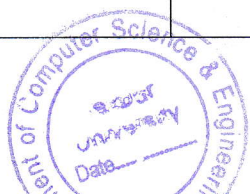
Registration List

S. No	Name	Affiliation	Signature
1	Prakash Das	TU	Prakash Das
2	Nayan Basumatary	TU	Nayan Basumatary
3	Asraf Uddin Ahmed	TU	Asraf Uddin Ahmed
4	Kumar Utkarsh	TU	Kumar Utkarsh
* 5	Diby Jyoti Deka MANISH KUMAR CHAURASIYA	TU	Manish Kumar
6	Niloy B. Dey	TU	Niloy B. Dey
7	Rup Kumar Deka	TU	Rup Kumar Deka
8	Amit Dutta	TU	Amit Dutta
9	Annushree Kurmi	TU	Annushree Kurmi
10	Puspendra Kumar Pandey	TU	P. Pandey
11	Bhanu Kumar	TU	Bhanu Kumar
12	Arina Gogoi SAMRJEET BORAH	TU	Samrjeet Borah
* 13	Rabindra Saikia ANIRUDH SAISWA	GU	Anirudh Saiswa
14	Sukhen Saikia	TU	Sukhen Saikia
15	Narendra Yadav	TU	Narendra Yadav
16	Puja Sarkar	TU	Puja Sarkar
17	Angshuman Sharma	TU	Angshuman Sharma



Borah
27/03/2022
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45	Ashish Kumar Verma	TU	Ashish
46	Prakash Gupta	TU	Prakash Gupta
*47	Nazrul Hoque	KU	Nazrul Hoque
48	Ram Charan Baishya	TU	Ram Charan Baishya
49	L. Basant Singh	TU	L. Basant Singh
50	Arun Rathi	TU	Arun Rathi
51	Abhijit Nath	TU	Abhijit Nath
52	Saroj Adhikari Kumar	TU	Saroj
53	Ajay Sharma	TU	Ajay
54	Arun Chetri	TU	Arun Chetri
55	Gautam Das	TU	Gautam Das
56	Pallabi Patowary	TU	Pallabi Patowary
57	Indrajit Kalita	TU	Indrajit Kalita
58	Dhanmoni Kalita	TU	Dhanmoni Kalita
59	Chiranjeev Baruah	TU	Chiranjeev Baruah
60	Biswajeet Mahato	TU	Biswajeet Mahato
61	Saheli Paul	TU	Saheli Paul
62	Mohd shahnawaz	TU	
63	P. Moda Venkat	TU	P. Moda Venkat
64	Kaushal Kumar	TU	Kaushal Kumar
65	Ravi Shankar Kumar	TU	Ravi Shankar Kumar
66	Prasenjit Panda	TU	Prasenjit Panda
67	Deepshikha Nandi	TU	Deepshikha Nandi
68	Biswadeep Roy	TU	Biswadeep Roy
69	Supratik Biswas	TU	Supratik Biswas
*70	Kausthav Pratim Kalita	ADBU	K. Kalita



10 March
09/03/2022
Head
Department of Computer Science & Engg
University

71	G. Vara Prasad	TU	G.V. Prasad
72	Priti Rekha Devi	TU	Priti Rekha Devi
73	Hussain Ahmed Chowdhury Debojyoti Paul	TU	<u>B. Paul</u>
74	Nirmal Yumnam	TU	Yumnam Nirmal
75	Sanghamitra Nath	TU	<u>Selli</u> 27/03/17
76	Dr. Sanjib Deka	TU	<u>Saijib</u> 27/03/17

77. Shubham Sharma

TU

Shubham
27-03-17

78. Aniruddha Sinha

TU

AS

27.03.17.

79. Bikash Jaiswal

TU

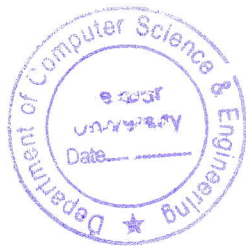
Bikash

80

81. Kalpa Jyoti Das

TU

KJ



B. Bora
09/02/2022
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Tezpur University

Photographs of Workshop on IOT and Security

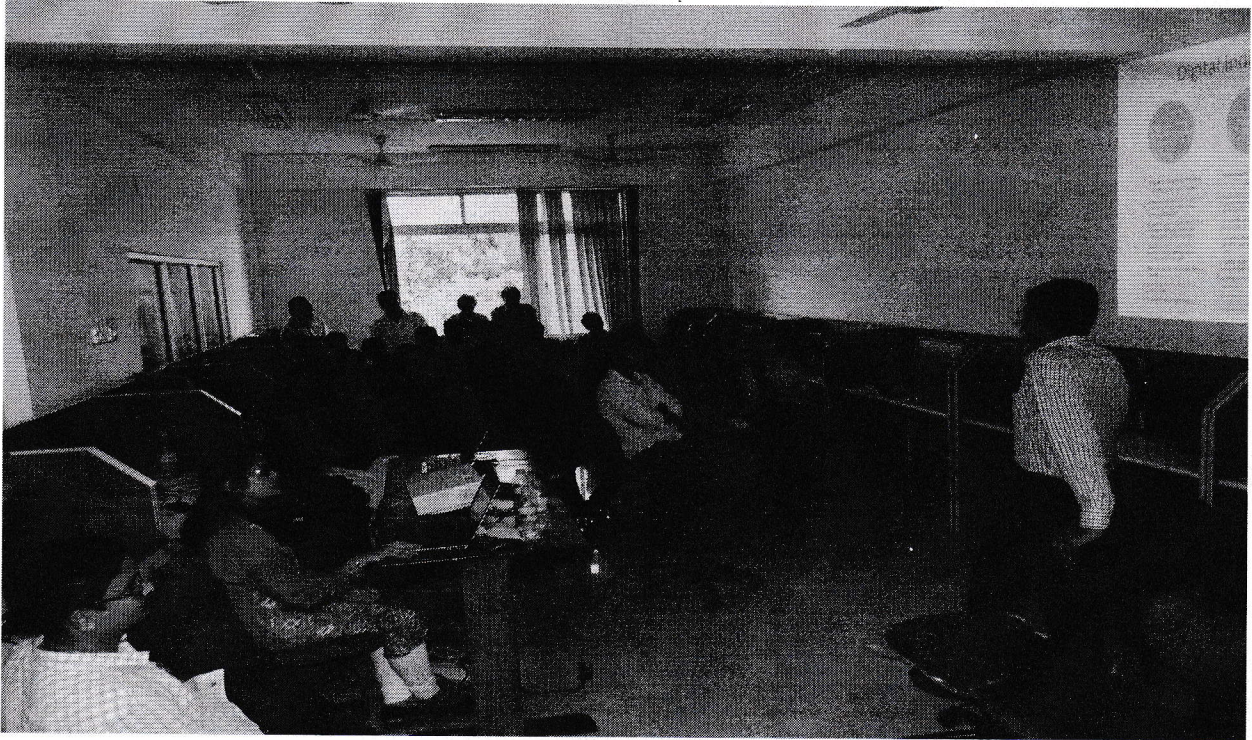
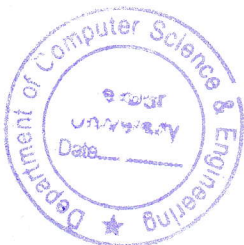


Photo1: Experts from CDAC Pune delivering Lecture



Photo2: Experts from CDAC Pune delivering Lecture



B. Borralh
07/02/2022
Head
Department of Computer Science & Engg
Tatyasaheb Kore University

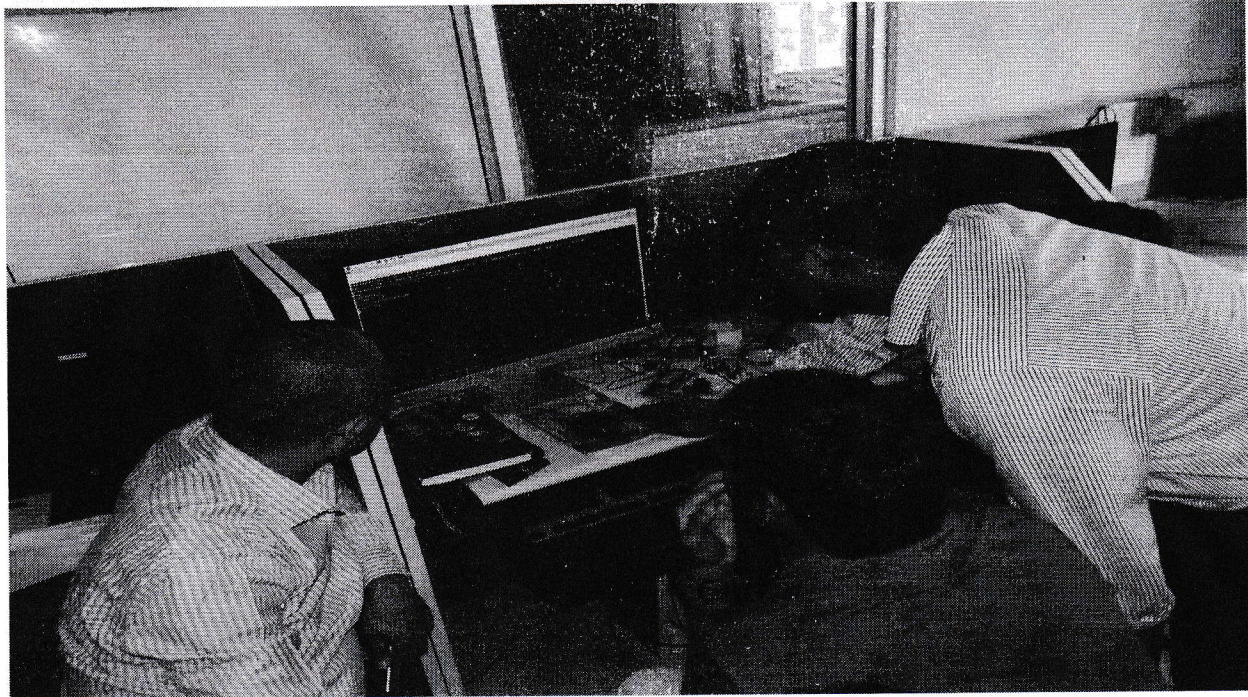
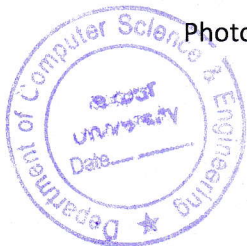


Photo3: Hands on training during the event



Photo4: Hands on training during the event



M. A. G.
09/02/2022
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Department of Computer Science & Enginr
Tazour University