

REPORT ON SMART AIoT SYSTEM WORKSHOP

Date: March 26 – April 2, 2025

Organizers:

- NIELIT (National Institute of Electronics & Information Technology), under the Ministry of Electronics & IT (MeitY)
- IIT Mandi iHub & HCl Foundation and Collaboration with IQAC Mariani College, Mariani

Venue: Mariani College, Assam

Programme Co-ordinator-----Kanchana Das (Assistant Professor, Department of Education) & **Rupali Malakar** (Assistant Professor, Department of Bengali)

From **March 26 to April 2, 2025**, Mariani College hosted a week-long training program titled “**MODEL SMART AIoT SYSTEM**”. The workshop was conducted by the **National Institute of Electronics & Information Technology (NIELIT)** under the **Ministry of Electronics and Information Technology (MeitY)**, in collaboration with the **IIT Mandi iHub and HCl Foundation**. This initiative was part of the government’s broader goal to promote skill development in cutting-edge technologies among students in rural and semi-urban regions.

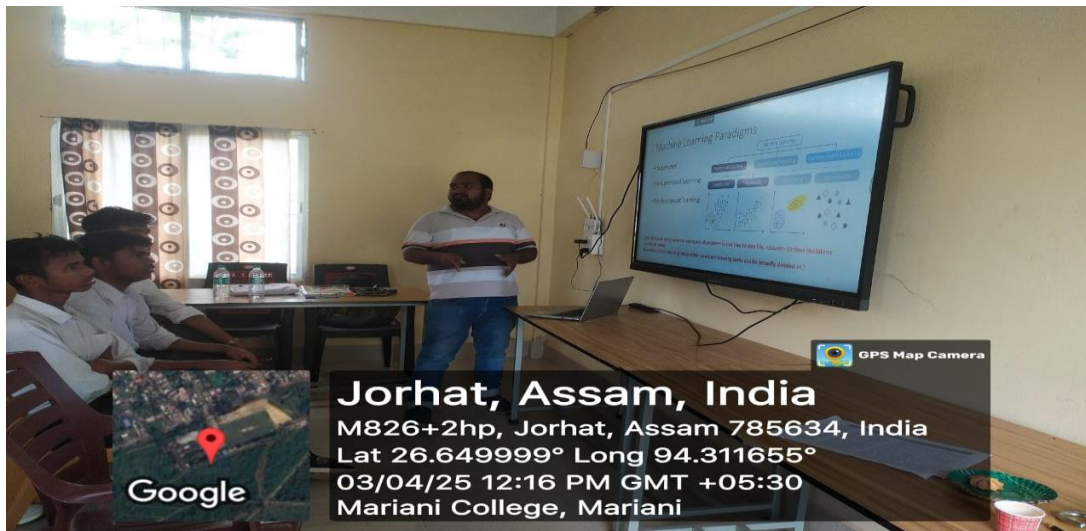




- The training program focused on the convergence of **Artificial Intelligence (AI)** and the **Internet of Things (IoT)**—two critical technologies transforming various sectors like agriculture, healthcare, and smart infrastructure. Over the course of the workshop, students were introduced to foundational concepts in IoT architecture, sensor networks, AI integration, and real-world applications of intelligent systems. Participants were also trained in using **AI tools** and **Machine Learning (ML)** frameworks to create intelligent, data-driven systems.
- The sessions were led by **Jyotirmoy Deka**, & Rajesh Yadav a resource person with expertise in AIoT systems and embedded intelligence. He guided students through practical demonstrations, hands-on exercises, and project-based learning that encouraged critical thinking and innovation. Emphasis was placed on enabling students to design AI-integrated IoT solutions using accessible hardware and software platforms.

- A total of **50 students** participated in the workshop, of which **30 were from the Scheduled Caste (SC) category**. All students received **certificates of participation**, recognizing their successful completion of the course. The event highlighted the commitment to **inclusive technology education**, offering opportunities for underrepresented communities to build future-ready skills.
- In conclusion, the SMART AIoT SYSTEM program at Mariani College successfully empowered students with practical knowledge of AI and IoT technologies. By bridging the gap between theoretical learning and real-world application, the workshop reinforced the importance of hands-on training in emerging tech fields and contributed meaningfully to the vision of a digitally skilled India.







रा.इ.सू.प्रौ.सं राष्ट्रीय इलेक्ट्रॉनिक्स एवं सूचनाप्रौद्योगिकी संस्थान (रा.इ.सू.प्रौ.सं)
National Institute of Electronics and Information Technology (NIELIT)
इलेक्ट्रॉनिक्स और सूचनाप्रौद्योगिकी संस्थान, भारत सरकार की एक स्वायत्त प्रौद्योगिकी संस्था
(An Autonomous Scientific Society of Ministry of Electronics and Information Technology (MeitY), Govt. of India)

गुवाहाटी केंद्र/Guwahati Centre

विशेष अर्थ, असम विश्वविद्यालय अर्थ, पंचम एवं त्रितीय तल, सो. बाइ मार्ग, गुवाहाटी-781 008
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वेबसाइट/Website: https://www.nielit.gov.in/guwahati

Dated: 18-02-2025

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To

The Principal
Mariani College
Mariani, Assam

Sub: Humble request to provide FREE training on Model Smart AIoT Systems (30 hours) at your own premises.

Respected Sir,

With due respect, as you are aware that NIELIT (National Institute of electronics & Information Technology), is an organization under the Ministry of Electronics & Information Technology (MeitY), Govt. of India. It is the HRD arm of the Ministry and is involved in capacity building in the areas of IECT. NIELIT has endeavored to establish to be the country's premier institution for Examination & Certification in the field of IECT. It is also one of the National Examination Body, which accredits institutes/ organization for conducting courses in IT.

I would like to inform you that different training FREE training on Model Smart AIoT Systems (30 hours) of a batch 50 candidates out of that 35 students should be SC and other remaining 15 students from any categories. In this regard, I would like to request you to kindly extend your co-operation in identifying and arranging the training programs for the students and youth.

For more information, please feel free to contact the under signed or Ms. Debashree Das, Counselor (0376-2954444); email: nielitjorhatee@gmail.com).

This is for your kind perusal and consideration please.

Thanking you.

Yours sincerely,

(Dr. Monita Wahengbam)

Sc-D & Centre in Charge

NIELIT Guwahati (Posted at Jorhat)

Email: monita@nielit.gov.in

Enclosure:

1. Course Details.

Copy to:

1. Manab Kalita, Sc-I- for kind information.
2. Dr. Saurov Mahanta, STO & Link Officer - for kind information.

मुख्यालय: नार्डविल भवन, प्लॉट नंबर 3, पीएसपी पॉकेट, सेक्टर 8, दारुका, नई दिल्ली- 110 077
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ATTENDANCE SHEET

S.No.	NAME	GENDER	CASTE	GRADE	FATHER'S NAME	Day 1 (Student Sign)	Day 2 (Student Sign)	Day 3 (Student Sign)	Day 4 (Student Sign)	Day 5 (Student Sign)
✓1	Prishmita Roy	FEMALE	SC	12th Pass	Samir Roy	P. Roy	P. Roy	P. Roy	P. Roy	
✓2	Sanjit Bharali	MALE	SC	12th Pass	Prasanta Bharali	Sanjit	Sanjit	Sanjit	Sanjit	
✓3	Bikram Bharali	MALE	SC	12th Pass	Pradip Bharali	Bikram Bharali	Bikram Bharali	Bikram Bharali	Bikram Bharali	Bikram Bharali
✓4	Nikita Das	FEMALE	SC	12th Pass	Gobinda Das	Nikita Das	Nikita Das	Nikita Das	Nikita Das	Nikita Das
✓5	BIRAJ DAS	MALE	SC	12th Pass	RUDRAKANTA DAS	Biraj Das	Biraj Das	Biraj Das	Biraj Das	Biraj Das
✓6	Mina Robidas	FEMALE	SC	12th Pass	Upen Robidas	Mina Robidas	Mina Robidas	Mina Robidas	Mina Robidas	Mina Robidas
✓7	Ankita Mandal	FEMALE	SC	12th Pass	Pankaj mandal	A. Mandal	A. Mandal	A. Mandal	A. Mandal	
✓8	DAMAN ROHIDAS	MALE	SC	12th Pass	KARAM ROHIDAS	D. Rohidas	D. Rohidas	D. Rohidas	D. Rohidas	
✓9	SASHIKALA HARUAN	FEMALE	SC	12th Pass	SOHIT HARUAN	Sashika Haruan	Sashika Haruan	Sashika Haruan	Sashika Haruan	Sashika Haruan
✓10	Rittick Das	MALE	SC	12th Pass	Kamal Das	Rittick Das	Rittick Das	Rittick Das	Rittick Das	Rittick Das
✓11	Trideep Das	MALE	SC	12th Pass	Rajen Das	T. Das	T. Das	T. Das	T. Das	
✓12	BANDANA RAJAK	FEMALE	SC	12th Pass	Ramesh Rajak	Bandana Rajak	Bandana Rajak	Bandana Rajak	Bandana Rajak	Bandana Rajak
✓13	Jaydeep sarkar	MALE	SC	12th Pass	Sadhan sarkar	J. Sarkar	J. Sarkar	J. Sarkar	J. Sarkar	
✓14	Sweta Das	FEMALE	SC	12th Pass	Sujit Das	Sweta Das	Sweta Das	Sweta Das	Sweta Das	Sweta Das
✓15	MAMONI DAS	FEMALE	SC	12th Pass	ANJAN KUMAR DAS	Mamoni Das	Mamoni Das	Mamoni Das	Mamoni Das	Mamoni Das
✓16	Raj kuwar Das	MALE	SC	12th Pass	Ashwani kumar Das	Raj Kuwar Das	Raj Kuwar Das	Raj Kuwar Das	Raj Kuwar Das	Raj Kuwar Das
✓17	Prerna balmiki	FEMALE	SC	12th Pass	Jagdish balmiki	Prerna B	Prerna B	Prerna B	Prerna B	
✓18	Gouranga Kashyap Medhi	MALE	SC	12th Pass	Gopal Krishna Medhi	G. Medhi	G. Medhi	G. Medhi	G. Medhi	G. Medhi
✓19	Diksha Das	FEMALE	SC	12th Pass	Dilip Das	Diksha Das	Diksha Das	Diksha Das	Diksha Das	Diksha Das
✓20	Santanu Malakar	MALE	GEN	12th Pass	Satyendra Malakar	Santanu	Santanu	Santanu	Santanu	
✓21	Kanhaiya Das	MALE	GEN	12th Pass	Dinesh Das	Kanhaiya Das	Kanhaiya Das	Kanhaiya Das	Kanhaiya Das	Kanhaiya Das
✓22	NIBEDITA DAS	FEMALE	GEN	12th Pass	SUSHIL DAS	N. Das	N. Das	N. Das	N. Das	
✓23	Dinanath Robidas	MALE	GEN	12th Pass	Bonshi Robidas	D. Robidas	D. Robidas	D. Robidas	D. Robidas	
✓24	Samprada Malakar	FEMALE	GEN	12th Pass	Mr Gonesh Malakar	Samprada	Samprada	Samprada	Samprada	Samprada
✓25	Keshar balmiki	FEMALE	GEN	12th Pass	Jitender balmiki	Keshar B.	Keshar B.	Keshar B.	Keshar B.	
✓26	bikram basumatary	MALE	ST	12th Pass	babul basumatary	B. Basumatary	B. Basumatary	B. Basumatary	B. Basumatary	B. Basumatary
✓27	Oki Gogoi	MALE	OBC	12th Pass	Deep Gogoi	OKI GOGOI	OKI GOGOI	OKI GOGOI	OKI GOGOI	OKI GOGOI
✓28	Arsana Gogoi	FEMALE	OBC	12th Pass	Probhat Gogoi	Arsana Gogoi	Arsana Gogoi	Arsana Gogoi	Arsana Gogoi	Arsana Gogoi
✓29	Pallav naik	MALE	OBC	12th Pass	Sanjib naik	P. Naik	P. Naik	P. Naik	P. Naik	P. Naik
✓30	Jugal kisur saikia	MALE	OBC	12th Pass	Ratul Salkia	Jugal Saikia	Jugal Saikia	Jugal Saikia	Jugal Saikia	
✓31	PRASHENJIT TANTI	MALE	OBC	12th Pass	BIJOY TANTI	P. Tanti	P. Tanti	P. Tanti	P. Tanti	
✓32	Vivek Neogi	MALE	OBC	12th Pass	Banwari Lal neogi	Vivek Neogi	Vivek Neogi	Vivek Neogi	Vivek Neogi	Vivek Neogi
✓33	Sistree Sharma	FEMALE	GEN	12th Pass	Ganesh Sharma	Sistree	Sistree	Sistree	Sistree	Sistree
✓34	Mamata Singh	FEMALE	GEN	12th Pass	Basu Singh	Mamata Singh	Mamata Singh	Mamata Singh	Mamata Singh	Mamata Singh

S.No.	NAME	GENDER	CASTE	GRADE	FATHER'S NAME	Day 1 (Student Sign)	Day 2 (Student Sign)	Day 3 (Student Sign)	Day 4 (Student Sign)	Day 5 (Student Sign)
✓35	Sahil Amin	MALE	GEN	12th Pass	Rahul Amin	Sahil Amin	Sahil Amin	Sahil Amin	Sahil Amin	Sahil Amin
✓36	ELIZA KHATOON	FEMALE	GEN	12th Pass	NURAL ISLAM	E. Khatoon	E. Khatoon	E. Khatoon	E. Khatoon	E. Khatoon
✓37	DIYA MANDAL	FEMALE	GEN	12th Pass	UTTAM MANDAL	Diya Mandal	Diya Mandal	Diya Mandal	Diya Mandal	Diya Mandal
✓38	Richa bhattacharjee	FEMALE	GEN	12th Pass	Let Ratan	R. Bhattacharjee	R. Bhattacharjee	R. Bhattacharjee	R. Bhattacharjee	R. Bhattacharjee
✓39	Bhumika sen	FEMALE	GEN	12th Pass	Rajesh Sen	Bhumika Sen	Bhumika Sen	Bhumika Sen	Bhumika Sen	Bhumika Sen
✓40	Nahida Ahmed	FEMALE	GEN	12th Pass	Nizamuddin Ahmed	Nahida Ahmed	Nahida Ahmed	Nahida Ahmed	Nahida Ahmed	Nahida Ahmed
✓41	Nilashree Bhattacharjee	FEMALE	GEN	12th Pass	SAMIR	N. Bhattacharjee	N. Bhattacharjee	N. Bhattacharjee	N. Bhattacharjee	N. Bhattacharjee
✓42	Nazmin Akhter	FEMALE	GEN	12th Pass	Anish Ali	N. Akhter	N. Akhter	N. Akhter	N. Akhter	N. Akhter
✓43	Sumitra Dutta	FEMALE	GEN	12th Pass	Lt.Sitesh Dutta	Sumitra Dutta	Sumitra Dutta	Sumitra Dutta	Sumitra Dutta	Sumitra Dutta
✓44	Anesha Dey	FEMALE	GEN	12th Pass	Late Mridul Dey	Anesha Dey	Anesha Dey	Anesha Dey	Anesha Dey	Anesha Dey
✓45	Joishree sharma	FEMALE	GEN	12th Pass	Jagdish Sharma	Joishree Sharma	Joishree Sharma	Joishree Sharma	Joishree Sharma	Joishree Sharma
✓46	Sonai Dev	FEMALE	GEN	12th Pass	Mukunda Deb	Sonai Deb	Sonai Deb	Sonai Deb	Sonai Deb	Sonai Deb
✓47	Bibek Dey	MALE	GEN	12th Pass	Bijoy Dey	Bibek Dey	Bibek Dey	Bibek Dey	Bibek Dey	Bibek Dey
✓48	Biplob Gogoi	MALE	GEN	12th Pass	Babon Gogoi	Biplob Gogoi	Biplob Gogoi	Biplob Gogoi	Biplob Gogoi	Biplob Gogoi
Trainer Signature						27/3/2025	28/3/25	29/3/25	30/3/25	31/3/25



ITT Mandi iHub & HCI Foundation
Technology in Education & HCI for All

Certificate of Completion

This certificate is presented to

Mr/Ms Mamata Singh

For successfully completing the "Model Smart IoT Systems"
conducted by ITT Mandi iHub & HCI Foundation

at **Mariani College, Jorhat**

from **27 March 2025** to **3 April 2025**

Volga Verma
Ms. Volga Verma
General Manager

CERTIFICATE