

DEEPENING OF SCIENTIFIC RESEARCH ON 5G USE CASES FOR SOLVING CHALLENGES OF SOCIETY

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Lab Activities at 5G Lab Mizoram

Attended a program organized by MUP at Serchhip Venglai, which focused on raising awareness about healthcare and 3D dental care in collaboration with 3D employees.



Had a meeting with Mr. Ravi Dilipkumar, Ms. Sangeeta Boruah and other Assistant Professors to discuss the proposal submitted by the Department of Computer Science and the Arts Department. The discussion focused on whether their proposed project could be carried out under the 5G Lab. The professors have already been working on developing prototypes and are now seeking support for patent development for their innovation



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Lab Activities at 5G Lab Mizoram

Visited the education Office and met the officer in Charge and discussed the 5G Lab and its potential for society.



Visited the PCR high school and Brilliant high secondary school. Met the principal and invited for the certificate course in the upcoming days



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Lab Activities at 5G Lab Mizoram

Visited Little Daimond School conducted a workshop on introduction from 1G to 5G. 43 students participated in the workshop.



Attended a program on the state of India's birds held at the Govt. Serchhip college. In the afternoon visited the Presbyterian School and invited them for the course.



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Lab Activities at 5G Lab Mizoram

Attended a program which was held in the college "cpr awarness week 2025" by 14 assam rifles serchhip, Mizoram



One day workshop on "Evaluation from 1G to 5G" at Monford School. 32 Student attended the workshop



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Attended the program “District Level Children Science Congress” at Forest Hall. A student from a different school gave a presentation at the event



Internship day 1-3 from Physic Department 5th Semester IoT based



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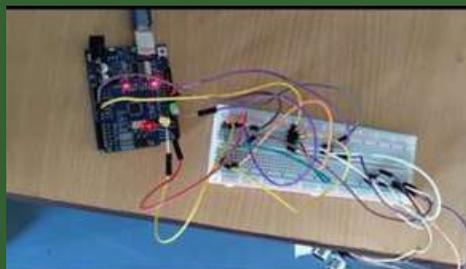


Lab Activities at 5G Lab Mizoram

One day workshop on the topic of 5G & use case, 6 students attended the course.



Last day of internship for the 5th semester on the topic of "Automatic Traffic Light using Sensor"



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Lab Activities at 5G Lab Mizoram

Conducted a workshop on office automation excel, presentation and Microsoft word with 3rd semester 10 students attended the course.



Attended an awareness campaign on Anti- Tobacco which was held in the college.



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Lab Activities at 5G Lab Tripura

Met Mr. Sudip Majumder from Bagma Agri Producer Company Ltd. and asked him about the challenges they are facing and assured them to assist in solving the issues.



Visited State Poultry Farm, Agartala and consulted about their products and production system to see if they need some improvement with the help of 5G technology and IoT.



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Lab Activities at 5G Lab Tripura

A workshop was organized at the College of Fisheries 5G introduction and Amantya 5G Lab Demonstration.



On-Site visit to Bagma Agri Producer Company Limited. Talked with farmers and tried to give them some ideas about our latest technologies to help them about the challenges they are facing.



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Lab Activities at 5G Lab Tripura

Met with Mr. Shivottam Kumar, a new IP Solutions from the College of Fisheries as he is developing his project on Smart Aqua farm IoT+AI for Aquaculture, assured him to assist regarding the project guidelines.



Met with the farmers of the State Agriculture Research Center, Agartala and made them understand about the future of Smart Farming.



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Lab Activities at 5G Lab Tripura

Visited the Hatchery center of Bagma Agri Producer Company Limited and discussed about how we can help them with our 5G Technologies.



Met with the Artisans and Bamboo workers in Bagma Agri Producer Company Limited and talked with them about their work.



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Lab Activities at 5G Lab Tripura

Visited the Weaving design section of Bagma Agri Producer Company Limited and talked with the Weavers towards their efforts in productivity related to latest technologies.



Met with the Handloom weavers who are enhanced with the help of the 'Department of Science and Technology' at Bagma Agri Producer Company Limited.



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Lab Activities at 5G Lab Tripura

Conducted one more workshop in the College of Fisheries on AI/ML and 5G Lab Demonstration.



Visited ICAR had a discussion with the students and provided the knowledge of 5G Technology in the field of Agriculture.



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Lab Activities at 5G Lab Tripura

Met with the farmers of State Agriculture Research Station who are using Solar Power for irrigation systems.



Visited the Piggery farm of one more section of Bagma Agri Producer Company Ltd. and talked about the surveillance system of the farm with our 5G Technologies



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Lab Activities at 5G Lab Tripura

Attended the Scientist - Farmer session organized by ICAR and exchanged the ideas with them for the betterment in the Smart Farming.



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Lab Activities at 5G Lab Sikkim

PM Shri Sr. Sec. School visited the Lab. A lab demonstration was performed for the students.



Visited Govt. Sr. Sec. School, Lingchom to invite Batch of Students for workshop in the lab.



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Lab Activities at 5G Lab Sikkim

Three 5th semester students visited the Lab today. A demonstration was performed for the students and told them to join our workshop on upcoming days



Economics faculty Mr. Rajiv Jairu visited the Lab regarding a project discussion. A demonstration was performed from on his visit.



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Lab Activities at 5G Lab Sikkim

Govt. Girls Senior Secondary School, Kyongsha visited our Lab for the second time for a workshop session.



Organized one day workshop with 5th semester commerce department student on 5G use cases with a lab demonstration.



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Lab Activities at 5G Lab Sikkim

Visited Sikkim Rural Livelihood Mission under Rural Development Department and met block in charge of the west district GP Manita, discussed about their activities and how we can collaborate the Lab with their activities.



A workshop was conducted on evolution from 1G to 5G with the 5th semester students of political science today .



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Lab Activities at 5G Lab Assam

Full Day lab tour for a batch of students from Pashighat. Had discussion and lab demonstration with them.



Done a lab tour and demonstrations for some guests from various organizations. Discussed about the project and its various field for implementations.



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Lab Activities at 5G Lab Assam

Conducted an event on showcase of 5G use cases developed by students and startups in 5G lab. Lab demonstration and discussion on further implementation of the project was done with the guests.



Visitors from Grameen Sahara, a agriculture based organization visited the Lab. Lab Demonstration done and discussed some problem statements related to fisheries, soil testing and milk.



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Lab Activities at 5G Lab Assam

Testing of the lab equipment and the products for internship, few students visited the lab for further work on IP products



Visited GU - IST for workshop on Next gen Wireless technology



Few students visited the lab. We have done the lab demonstration and discussed for further IP generation projects



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Lab Activities at 5G Lab Assam

Participated in the Career Fair organized by the Directorate of Employment and Craftsmanship Training under the Assam Skill, Employment and Entrepreneurship Department, Government of Assam



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Lab Activities at 5G Lab Arunachal Pradesh

Superintendent of Police Shri Pankaj Lamba along with DEAN College of Agriculture Dr Sanjay Swami visited the Lab. We have given Demonstration of equipments & IP in our Lab.



Students from Jawaharlal Nehru College, Pasighat visited Lab. Described them about our projects and equipments in Lab, also inform them about short course that we are providing.



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Lab Activities at 5G Lab Arunachal Pradesh

Students from 3rd year College of Agriculture Pasighat visited the Lab and have done a session on 3D Printing along with Hands on session.



33 Students from Arunachal university visited the 5G lab. We have a short session on introduction to 5G & fundamentals of IOT.



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Lab Activities at 5G Lab Arunachal Pradesh

Two Officials from KVK Hailakandi visited 5G Lab. Nodal officer gave a detailed description about the project along with courses & developments



Conducted a Short Session on introduction to 5G. Students of COAP attended the session.



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Lab Activities at 5G Lab Arunachal Pradesh

Students from JNC Pasighat visited Lab. We have given description about our project along with the equipments available in Lab.



Visited NEILIT and meet Center in Charge Mr Gautam kumar and inform him about short course on 5G & IOT.



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Lab Activities at 5G Lab Arunachal Pradesh

Field visit Program & Interaction with farmers regarding the challenges they are facing. One major challenge is "The birds used to eat the crops before the time for Harvesting"



Visitors from Reliance Jio Infocom Ltd. Described them about our project and a demo session on different network functions in 5G Core.



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Lab Activities at 5G Lab Nagaland

Connected with the college intern team for workshop and internal mark which with the HODs and principal of the college.



Certificate distribution event was held today with the HODs and principal of the college.



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Lab Activities at 5G Lab Nagaland

Connected with the nagadigital team today for presentation, testing and training of their Equipment at the lab.



In recognition of National Wildlife Day across state. College in collaboration with the science club conducted a small event on wildlife and the changes in its ecosystem.



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Lab Activities at 5G Lab Nagaland

Connected with the nagadigital team for testing and training their equipment at the lab. We achieved TTS/STT with the portable alexa and the work is still in progress.



Visited Airtel office for discussions.



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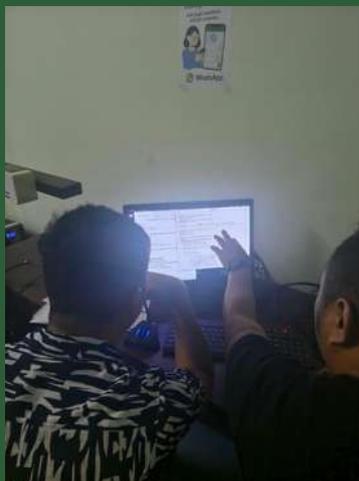


Lab Activities at 5G Lab Nagaland

A seminar was conducted on rain water conservation which was held at the college. Department of soil and water Nagaland government and Dimapur govt college were a part of the program.



Connected with the team of a start up and report on the current IP was submitted by them.



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Lab Activities at 5G Lab Nagaland

Conducted a seminar on IOT and its peripherals with a group of students



Conducted a seminar on 5G awareness program and its use cases with a group of students from the department of arts at Salt College.



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Lab Activities at 5G Lab Nagaland

Connected with nagadigital on there IP portable offline alexa also gave a report and discussed progress on their work and events with Mr. Ravi on making a 3D robot for demonstration.



The team from nagadigital gave demo and will have a meeting with the college authorities for implementing their prototype IP in the college for trails, errors and review on their feedbacks for more enhancment of the IPs



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Lab Activities at 5G Lab Nagaland

Connected with Mr. Raj Chadha and his team for measurement of 3D equipment at ARCTC



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Lab Activities at 5G Lab Meghalaya

Conducted a workshop with a Batch of Students from Sacred Heart HS School.



Two PHD students from NEHU visited 5G LAB. Demonstrated about 5G LAB and its use cases.



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Lab Activities at 5G Lab Mizoram

Four officials from Department of IT&C, Meghalaya visited the Lab. Demonstrated the 5G LAB and different use cases present in the Lab.



Participated in North East Science & Technology and Industrial Expo 2025 at the Convocation Hall, NEHU, Shillong and showcasing our 5G Use cases present in the LAB and developed by the students.



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Lab Activities at 5G Lab Mizoram

Conducted a Workshop with 3rd Batch of Students of Laitumkhrah Presbyterian HS School.



Hardware session with the students for upcoming event.



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Lab Activities at 5G Lab Manipur

Attended the Two-Day workshop on "emerging trends in semiconductor technology & application " at MIT, Manipur University, Canchipur.



Distributed the certificates to the students of the 5G internship program.



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Lab Activities at 5G Lab Manipur

Two students from the Manipur University in there 3rd semester visited the 5G Lab.



Visited the New Light Public School, Manipur, where we had a great discussion about conducting a one-day workshop with Vice Principal T. Arun Kumar.



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Lab Activities at 5G Lab Manipur

Visited the JNIMS MS department and met with Dr. Kh Lokeshwar Singh (Medical Superintendent). During the discussion, It was requested that they share the patient clinical history data with AMTRON speed up the AMTRON pre-surgery workshop process.



Two students from ECE dept visited 5G Lab where the certificates were distributed and discussed about conducting their college projects in the Lab.



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Lab Activities at 5G Lab Manipur

Visited the Catholic School, Canchipur and met the principal. Discussed the one-day 5G program and explained the benefits of the program for their students.

