



NEWS BULLETIN

INDUSTRIAL VISIT TO NORTH-EASTERN SPACE APPLICATION CENTRE (NESAC), MEGHALAYA

May 02: Total 47 students along with four faculty members Mr. Arindom Ain, Assistant Professor, Department of Computer Application, Ms. Shrabani Medhi, Assistant Professor, Department of CSE, Ms. Ritushree Dutta, Assistant Professor, Department of CSE, Ms. Mala Ahmed, Assistant Professor, Department of CSE went to NESAC, situated in between the beautiful valleys of Shillong. NESAC provides operational satellite communication applications services in the region in education, health care, disaster management support, and developmental communication. First of all, the staff of NESAC showed the students how with the help of satellites they could get the exact time with a difference of picosecond and like GPS that is being created by America, India is also having their own navigation IRNSS (Indian Regional Navigation Satellite System). They showed the students various models of satellites like Chandrayaan 2, Astroset etc. launched by ISRO. Secondly they showed the students the way they detect the aerosol of dust that causes immense air pollution. Air pollution is mainly caused by the emission of carbon monoxide by vehicles and the burning of bushes or other particles. NESAC also has devices that can measure the height of clouds. The device can throw a straight beam of light which will continuously go upwards in the sky until it reaches a cloud. Once the light strikes a cloud it will bounce and come back and with the time taken to reach and scatter, they can calculate the height. It moreover measures the size of the droplet of rain. The usual size of a droplet should be between 0.5mm-5mm and if it is not in this range that means the pollution is increasing causing the variation of droplet size leading to heavy rainfall or no rain at all. They also showed the various drones they have self-created with the help of a machine using polypropylene. There were various drones such as hexacopter and many others and cameras having night vision. The drones can fly using their charged electric power or battery. The drone can have their charge upto 6-7 hours and once their charge goes down it automatically switches to its battery mode and emits signals. In a big screen having all the North-Eastern states into view, it showed the ongoing situations like thunder, wind speed and direction, forest fires, landslides, earthquakes and floods in different North-Eastern regions, captured by satellite. They also had the records of previously occurred disasters (even the earthquake occurred 2 days back of 2.9 magnitude in Kamrup region). Lastly they showed their portals like NEDRP (North-Eastern District Resources Plan), NeSDR (North Eastern Spatial Data Repository), NERDRR (North Eastern Region Node for Risk Reduction) and many more. These portals help us to know the recent earthquake and the place it originated from along with the magnitude.



NEWS BULLETIN

6 DAYS WORKSHOP ON FULL STACK WEB DEVELOPMENT

A six-days workshop on Full Stack Web Development was conducted from June 5th, 2023 to June 10th 2023, at Department of Computer Science, Girijananda Choudhury University.

Workshops are a dynamic and instrumental teaching medium that introduce students to the subjects through real-time problems and hands-on. The resource persons invited for this workshop are well-versed with the current technologies in this domain. They are Mr. Devaraj Mahanta, a Research Scholar at IASST Guwahati and Mr. Risheraj Baruah, presently working as a Teaching Associate at Department of Computer Science, Guwahati University.

The coordinators of this workshop are Ms. Shrabani Medhi, Ms. Mala Ahmed and Ms. Ilina Sinha. They are currently working in the position of Assistant Professor at Department of Computer Science, Girijananda Choudhury University. The entire program was meticulously supervised by Dr. Minakshi Gogoi, Head of the Department of Computer Science, Girijananda Choudhury University.

A total of 66 students registered for the workshop. The demography mostly included students from 4th Semester and 2nd Semester of B.Tech, Computer Science, Girijananda Choudhury University. The participation was impressive and the students actively engaged with the hand-on during the sessions and the assignments.

The course content included basic and advanced topics like Introduction to HTML, CSS, Flexbox, Grid, Bootstrap, Web Design, JavaScript, DOM, jQuery, Node.js, Express.js, API, Github and Version Control, EJS and SQL, MongoDB, Mongoose, Deploying a WebApp, Authentication and Security, React.js and Web3

Decentralized App Development with Internet Computer. The technologies taught are industry-friendly at realtime.





NEWS BULLETIN

STUDENTS ACHIEVEMENTS

Sl No	Name	Semester	Achievements
1	SIMANTA THAKURIA	8TH	Won 3rd position in the 2nd All Assam Amateur MMA championship 2023 in the Men's light heavy weight category
2	ADITYA DAS	6TH	Won 1st position in the RAP Battle event at Enajori Music festival 2023
3	ADITYA DAS	6TH	Won 1st position in the RAP Battle event at Euphuism'2023
4	DHRUMAN DAS	8TH	Cleared GATE 2023
5	SATAVISHA ROY CHOWDHURY	2ND	Secured 2nd position in the Elocution competition on 3rd May 2023 at GCU, Assam
6	BIKASH SHARMA	6TH	2nd position of code quest 1.0 inter college coding contest on 19/03/23
7	SOHINI ROY	4TH	Secured 3rd position in street battle event at Euphuism 2023