NEWSLETTER

EPOCH

➤ **DEPARTMENT OF COMPUTER ENGINEERING**

➤ **ASSAM ENGINEERING INSTITUTE**

● ISSUE 2   ● JULY–DECEMBER, 2022

ABOUT THE DEPARTMENT

VISION OF THE DEPARTMENT

- To be a center of excellence for developing professionals in the field of Computer Engineering.

MISSION OF THE DEPARTMENT

- Provide relevant knowledge and skill in the area of Computer Engineering for global employability.
- Be a facilitator for students aspiring for higher learning in the field of Computer Engineering.
- Develop innovative skills in the students through creativity development exercise and become a part of IT solution for the society

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PEO1: Assist in software development projects to develop software solution for the benefit of the society.
- PEO2: To be able to setup and maintain computer and networking laboratories.
- PEO3: Progress through advanced degree of certified programs in professionally related fields.

VISION OF THE INSTITUTE

- To be a center of excellence in the field of technical education contributing to the changing needs of the society.

MISSION OF THE INSTITUTE

- To impart technical knowledge and skills in engineering fields.
- To promote transfer of technology and encourage entrepreneurial abilities through industry institute interaction.
- To install ethical values and social awareness through community development programmes.
- To utilize and continuously develop the resources and infrastructure of the Institute.

WHAT'S INSIDE?

- Greetings And Messages.
- Seminars/Webinars/Lectures/ Workshops/Awareness Programme.
- Meet-Ups.
- Industrial Visit
- Extra Curricular Activity.
- Participation & Achievements..
- Students qualified for Higher-Studies
- Alumni speaks.
- Photographs.

NEWSLETTER

EPOCH

● ## SPECIAL MESSAGE

The teachers, staff, and students of the Computer Engineering Department deserve my sincere congratulations on the release of their newsletter. The newsletter is reported to be focused on the internal workings of the department, including curricular, student and staff accomplishments. This newsletter will motivate educators and students to share their original ideas and innovative thinking with the world in the age of engineering and technology, thereby enhancing their overall development. I wish the entire team of Computer Engineering Department the very best with this publication.

Dr. Mitali Chakravorty
HOD, Electrical Department

● ## HOD SPEAKS

I'm pleased to report that the Computer Engineering Department has published its newsletter for the session July to December 2022 listing the many initiatives and successes of our students.

The department aims to generate professionals who are self-assured and responsive to the challenges of the workplace. The department provides an outstanding learning atmosphere with a group of highly skilled faculty members to encourage students to advance their technical knowledge and create a spirit of cooperation among them.

Plabita Borbora
HOD,Computer Engineering Department

➤ Words from Faculty in charge

I am pleased to place this edition of the newsletter "Epoch" for the readers which covers the different activities taken up by the department. The participation of the members in placing this edition is appreciated and needs to be carried out for coming editions. I welcome the new members and call for their active participation in presenting the newsletter in time for the readers.

Dr. Maushumi Lahon
Lecturer

➤ Words From Team Coordinator

'Epoch': The Departmental newsletter has stepped into it's next issue. It is aimed to recount the various activities and achievements in which students and faculty and the staff were actively involved throughout the session. We tried to make sure the memoir of the department helps in providing   a better view of the department. Thanking all of you who supported in the making of issue.
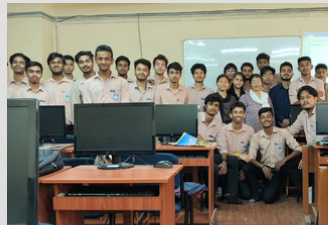
Subasana Saikia
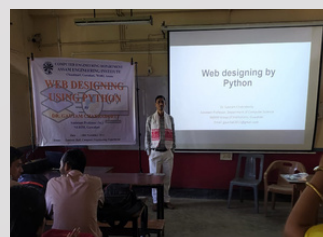**5th Semester**

EPOCH

DEPARTMENTAL ACTIVITIES

SEMINAR/WEBINARS/LECTURES/ TALKS/WORKSHOPS(INTERNAL)

• Lecture On "Time Management" by Mrs Prakriti P Das on 5th December 2022. In this lecture about Time Management.. All the topics related to managing time, difficulties in managing time, diagnosing these difficulties, strategies to stop procrastination and some important plannings to manage time were covered.

• Lecture On "Arduino and Raspberry Pi" by Mrs Prakriti P Das on 1st December 2022. In this lecture all the basic topic covered about Arduino and Raspberry Pi. And also in this seminar covered about Arduino and Raspberry Pi's advantage and disadvantage.

• Lecture On "Cloud Computing" by Dr. Maushumi Lahon on 15 December 2022. In this seminar covered types of cloud, cloud computer architecture, types of cloud service and about cloud skill certification.

• Awareness Talk on "GD" by Dr. Maushumi Lahon on 20 December 2022.

• Lecture On "Stress Management" by Mrs Swapnali Borah on 28th December 2022.

SEMINAR/WEBINARS/LECTURES /TALKS/WORKSHOPS/AWAREN ESS PROGRAMME(EXTERNAL)

• On 28th December 2022 "Hardware and networking" class conducted by National Institute of Electronics and Information Technology (NIELIT)

• Lecture On "Web page Design Using Python" by Dr. Gautam Chakraborty on 18th November 2022. In this lecture about "Web Designing by Python". All the topics related to Web Designing and Development Front end and Back end), advantages of using python and some of the topics related to python development were covered.

• Awareness programs on "Mental Health and Physical Fitness" by Ms Priya Das and co-ordinated by A Barek on 5th December 2022. In this seminar covered many physical fitness exercise and lecture about mental health.

EPOCH

DEPARTMENTAL ACTIVITIES

INDUSTRIAL VISITS

- Industrial visit MSME by 5th semester students on 9th december 2022.

MEET-UPS HELD

- Parent Teacher Meet Organized by Computer Engineering Department on

EXTRA-CURRICULAR ACTIVITIES

- Plantation drive carried out by the students of 5th semester

ACHIEVEMENT AND PARTICIPATION

PARTICIPATION

- Prabhat pheri held on 13th August 2022.In Prabhat Pheris, students with tricolours, marched in rows, raised slogans including 'Bharat Mata ki Jai', 'Vande Mataram' and 'Har Ghar Tiranga, Har Mann Tiranga' as part of the Azadi Ka Amrit Mahotsav. Where the student of computer engineering also participated.

ACHIEVEMENTS

• Dr. Maushumi Lahon from computer department, who has published a chapter in the book "Role and Development of Security Architecture and Models in Software Systems" in 2022.Digital and physical world both demand a very sensitive security system. The task of authenticating and distribution of data is a major challenge in the software world. Such demands and requirements have enhanced the importance of security and have captured a major chunk in the domain of software world. This chapter is related to the domains of security architecture and design consisting of hardware and software requirements for a secure computer system and the security models to keep the systems secure. The chapter highlights the security requirements in the IoT environment and specially discusses some research work on IoT based home security systems along with some AI based security solutions for IoT environment. The chapter also contains a study of some security architecture and security systems for specific domains proposed by different researchers.

- Mr. Kailash Phukan from 4th sem student, Who has successfully completed AWS Cloud Practitioner Essentials training. Which training was provided from Amazon.in .

NEWSLETTER

OUR PRIDE: the embodiment of our honor and joy."

STUDENT QUALIFIED FOR HIGHER STUDIES

- Anol Chakraborty,
  Batch 2019-2022, Studies in Jorhat Engineering College

- Bishal Sharma,
  Batch 2019-2022. Studies in Barak Valley Engineering College.

- Rekha Baro,
  Batch 2019-2022.
  Studies in CIT, Kokrajhar.

- Chinmoy Chakraborty,
  Batch 2019-2022.
  Studies in Assam Engineering College.

- Debamalya Kashyap,
  Batch 2019-2022.
  Studies in JAIN
  (Deemed-to-be University, Bengaluru).

- Vikash
  Batch 2019-2022.
  Studies in Gauhati University Institute of Science and Technology.

- Dipankar Rajbongshi,
  Batch 2019-2022.
  Studies in Gauhati University Institute of Science and Technology

- Jonack Nath,
  Batch 2019-2022.
  Studies in Dhemaji Engineering College.

- Dipjyoti Saikia,
  Batch 2019-2022.
  Studies in CIT, Kokrajhar.

- Julon Senapati,
  Batch 2019-2022.
  Studies in CIT, Kokrajhar.

- Muazzin Hussain,
  Batch 2019-2022.
  Studies in Tezpur University.

- Mrinmoy Kashyap,
  Batch 2019-2022.
  Studies in Barak Valley Engineering College.

NEWSLETTER

EPOCH

EMBRACING NEW BEGINNING

Batch of 2022-2025

THE FACULTY MEMBERS AND STAFF OF THE DEPARTMENT

(*left to right*)

NAME AND DESIGNATIONS

- Dr. Maushumi Lahon, Lecturer cum Programmer & System Analyst
- Mrs Prakriti Prava Das, Lecturer(S. G)
- Mrs Plabita Borbora, HOD Computer Engineering
- Mrs Swapnali Borah, Lecturer(S.G)
- Mr Yajnadev Sharma, technical assistant
- Mr Abdul Barek, Lecturer
- Mr Kaushik Ray, Lecturer(part time)
- Mr D Haloi, Grade 4.

"ONCE AN ALUMNI, FOREVER A PART OF OUR SHARED LEGACY."

As an alumnus of the department, and I am very excited to hear about the upcoming newsletter. I am sure that it will be a great way to keep alumni updated on the department's activities and to provide a forum for alumni, student and the professors to share their stories and experiences.

Mr. Lutfur Rahman Proprietor, Techcare 2016-19 batch

I am particularly interested in hearing about the department's current students. I am curious to know what they are working on, what their goals are, and what advice they would give to upcoming students. I am also interested in learning about the department's research activities.

I wish the department all the best in its future endeavors. I am confident that the department will continue to produce highly skilled and innovative computer engineers.

TEAM EPOCH

- Dr. Maushumi Lahon (Faculty Incharge).
- Subasana Saikia, 5th Semester (Co-Ordinator).
- Bastav Das, 3rd Semester (Asst. Coordinator).
- Ansuma Boro, 3rd Semester.

PUBLISHED BY