



ELECTRONICS & COMMUNICATION ENGINEERING STUDENTS SOCIETY



**Smart, Secure, and Decentralized Innovation:
Reshaping the Future**

EXCESS

Electronics Communication and Information Engineering Student Society (EXCESS) is a committee at IOE, Purwanchal Campus, Dharan. Our main goal is to make students studying Electronics, Communication, and Information Engineering (BEI) more proficient and competitive in the workplace.

OUR VISION AND HISTORY

The demand for tech is growing every day in the 21st century. Engineers should have access to these breakthroughs and be up to date on the latest technologies. But the educational curricula aren't able to keep up with the rapid rate of development. Someone who could deliver these details and arrange training on the more advanced technologies was required. As a result, EXCESS was formed in 2013 AD (2070 BS).

Since its founding in 2013 AD (2070 BS), EXCESS has provided training, hosted seminars and webinars, and organized workshops. It enables every student to achieve proficiency in essential skills. These have given students an advantage in the workplace.

One of our main highlights is X-Tech, where students pour every bit of their accumulated skills into competitions. Here, students get a chance to exhibit their creativity while also improving their learning.

Our Objectives

- 1.To provide students with training so that they can learn new skills.
- 2.Organize workshops so that students can refine their skills.
- 3.Hosting seminars and webinars to provide students with information about cutting-edge technologies.
- 4.Prepare students for business and employment in the industry.

X-TECH

Nepal is still too far behind developed countries, especially in technology and innovation, in this era of the rapidly evolving field of technology. To make an impact, improve technical proficiency and enhance student skills. EXCESS decided to hold an annual event called X-Tech. X-Tech is one of the best engineering tech festivals. X-Tech has offered a platform for electronics and tech students to compete, show off their skills, and learn. Workshops, competitions, and training such as IoT and Automation Workshops, Hardware Hackathon and Smart Digital Room competitions, Robotics Events and Project Demonstration were all part of X-Tech events. X-Tech is about more than just techies. Other activities include a presentation competition, quizzes, talk shows, personal development webinars, entertainment activities such as music and dance and many more.

Why X-Tech?

X-Tech intends to improve technical and non-technical skills essential in the industry. X-Tech has established a strong presence in Nepal's Eastern Region. Previously, technical events were limited to Kathmandu Valley. X-Tech significantly improved students' skills from IOE, Purwanchal Campus and other institutes. X-Tech was required to promote technical and non-technical skills for all students. X-Tech vision is to build a better and more effective platform for all students in the technical field. X-tech assists students in becoming industry and corporate-ready. X-Tech helps students to excel in the technical and non-technical areas through competitions, workshops and events.

HISTORY OF X-TECH

X-Tech Studio 1.0

Season 1 of X-Tech began in 2074 B.S Magh. It is one of the most significant achievements in X-Tech history. The event was a smashing success. At the time, our chief guest was Mahabir Pun. Smart-Digital Room was an event focused on making a Smart-Room, utilizing digital technology. It was a contest. Daily media quizzes assist users in becoming more attached to the event. Seminars and IoT workshops assisted students in expanding their knowledge of various emerging fields. The presentation competition allowed students to come forward, express their ideas, and showcase their skills and thoughts in different scenarios. Extra events made the festival more of a learning and fun experience.

Approximately 4,000 Students and external visitors benefited directly or indirectly from the event. This event includes more than 100 participants.

Events:

- 1.Smart Digital Room
- 2.Daily Media Quiz
- 3.Seminars
- 4.IoT Workshop
- 5.Presentation Competition

Extra Events:

- 1.Housie Bingo
- 2.Soldering Competition
- 3.On the Spot Ring and Wire Challenge

HISTORY OF X-TECH

X-Tech Studio 2.0

Because of Covid 19, the second season of X-Tech was held online on Ashoj 2077. X-Tech continues to run events online to promote the technology. Technovate was an online project-based competition with a pandemic response theme. Online Circuit Designing Competitions were our highlights. The experience-sharing session about industry experience helped students level up and learn new things about the industry. It was a huge success. Throughout the event, there were over 150 participants and thousands of viewers from all over Nepal.

Events:

1. Technovate: Inviting Impactful Projects, Theme: Pandemic Response
2. Circuit Designing Competition
3. Webinars and Workshops
4. Experience Sharing Session with Alumni
5. X-Tech Quiz

X-TECH STUDIO 3.0

X-Tech Studio 3.0 is the third edition of X-Tech Studio, a yearly tech fest organized by EXCESS. With the goal of building a competitive platform for students to demonstrate and improve their abilities, gain real-world experience, and apply their knowledge, we concluded with the theme, "Smart, Secure, and Decentralized Innovation : Reshaping the Future."

EXCESS is ready to organize "X-Tech Studio 3.0: A Competitive Platform for all". It will be one of the biggest tech fests in the Eastern Region. We are immensely proud and happy to announce "X-Tech Studio 3.0: A Competitive Platform for All". It will include workshops, seminars, webinars, exhibitions, hackathons, and competitive events. We will also have different recreational activities and lots of engagement through Digital and Physical presence with participation from a wide range of students.

Pre-Events

X-Tech Quiz

Cyber Security & Blockchain Webinar

IoT Training

- Machine Learning Workshops/Seminars/Webinars
- MATLAB Simulation Training & Competition

Satellite & Communication Workshop

Networking Seminar/Webinar

PCB Designing Training & Competition

Main Event

Robotic Event

Hardware Hackathon

- Project Demonstration and Exhibition

X-Tech Ceremony and Celebration

X-TECH STUDIO 3.0

X-Tech Quiz

X-Tech Quiz will get organized through the social media handles of EXCESS. It will involve various electronics-related questions and puzzles. We aim to include all the students from electronics engineering backgrounds beyond the bounds of campus.
body text.



Machine Learning Workshop/Seminar/ Webinars

Machine Learning is one of the most talked about topics in modern tech industries. With the introduction of the workshops on Machine Learning, we can include all the tech students in the event.



X-TECH STUDIO 3.0

Satellite and Communication Workshop

This workshop will include students interested in satellite communication and space. Such events are getting organized for the first time in Eastern Nepal. With recent achievements and progress of our country in the field, we aim to spread the knowledge to a greater audience and interested students.



Cyber Security and Blockchain Seminar/Webinar

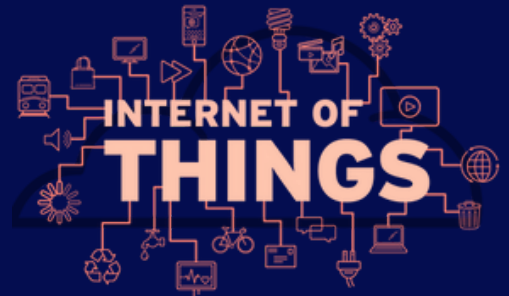
Addressing the recent shift of interest of most tech students, we are organizing a seminar/webinar to be inclusive to students of interest.



X-TECH STUDIO 3.0

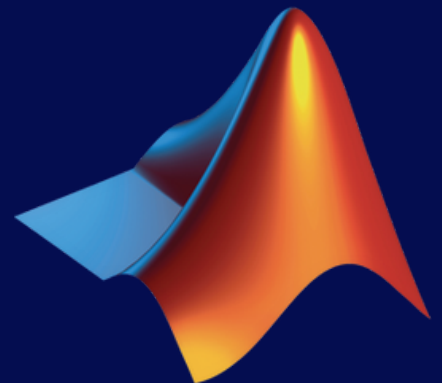
IoT Training

It is one of the training we have been providing annually to the interested students of IOE, Purwanchal Campus. It aims to provide trainees with the required basic knowledge to start with the Internet of Things.



MATLAB Simulation Training and Competition

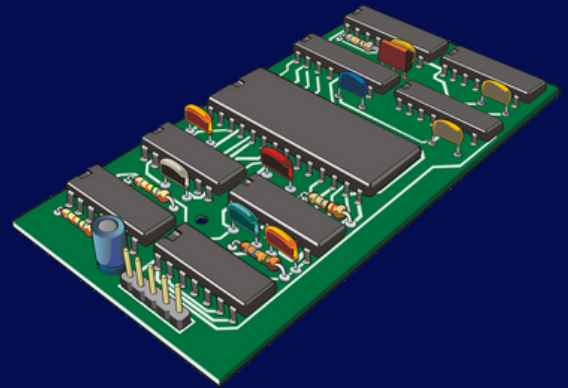
We will be organizing the training of Matlab Simulation focusing on specific projects providing all the knowledge required to build the project. After the completion of training, we will have a competition. The competition will be open to all.



X-TECH STUDIO 3.0

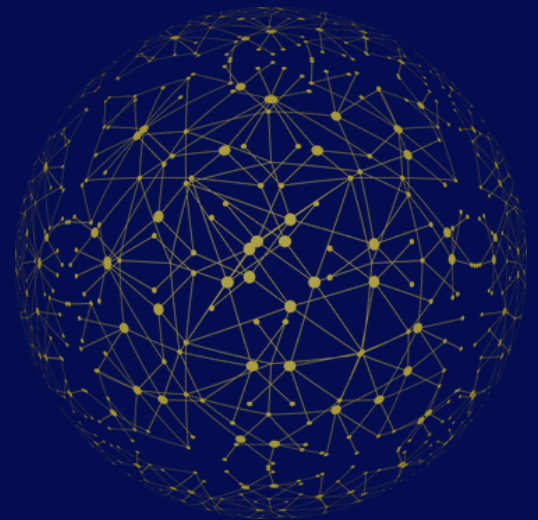
PCB Designing Training and Competition

It is also one of the training we have been providing annually to the interested students of IOE, Purwanchal Campus. This training will also eventually lead to competition. We aim to make a platform for the trainees to showcase what they have learned. The competition will be open to other than trainees as well.



Networking Seminar/Webinar

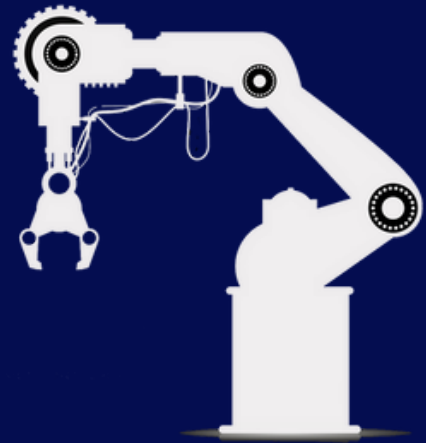
We aim to organize such an event in collaboration with organizations actively working in such a field.



X-TECH STUDIO 3.0

Robotic Event

The Robotics Event has always been an intricate part of the X-Tech Studio. Held at the college ground in collaboration with Robotics Club, Purwanchal Campus, There will be at least one robotic event and competition in X-Tech Studio 3.0.



Hardware Hackathon

Participants should build a project on a fixed theme with limited hardware within a limited time. All the required material during the event is to be provided by EXCESS. The project will be demonstrated in the exhibition and presented to Hackathon juries. The winner announcement will be during the X-Tech ceremony.



X-TECH STUDIO 3.0

Project Demonstration and Exhibition

An exhibition will feature all of the projects completed during the event. It will also include the project made on the theme of X-Tech Studio 3.0. There will be two categories of projects in the event - Thematic and Non-Thematic.



Talkshows

Talk Shows in the X-Tech will feature different guests talking about different recent events in tech industries as well as the cutting edge technology that are being developed in recent years. In general, it aims to provide recent updates in tech and have a discussion about it to reach a greater audience of our events.



X-TECH STUDIO 3.0

X-Tech Ceremony and Celebration

With the main event of 3 days long tech fest, EXCESS will host a grand celebration to commemorate the hard-fought victory of all our winners, restless efforts from our volunteers, much-needed support from our sponsors, partners and graceful attendance from our guests and dignitaries as a final closing to the event with food, music, prize distribution and variety of cultural performances.



PRE-EVENTS

**X-Tech Quiz
starts**

**Kartik
30**

**Mangshir
10-11**

**Cyber Security &
Blockchain Webinar**

IoT Training

**Mangshir
16-19**

**Mangshir
21**

**Machine Learning Workshops
Seminars/Webinars**

**MATLAB Simulation
Training & Competition**

**Mangshir
22**

**Mangshir
27**

**Satellite & Communication
Workshop**

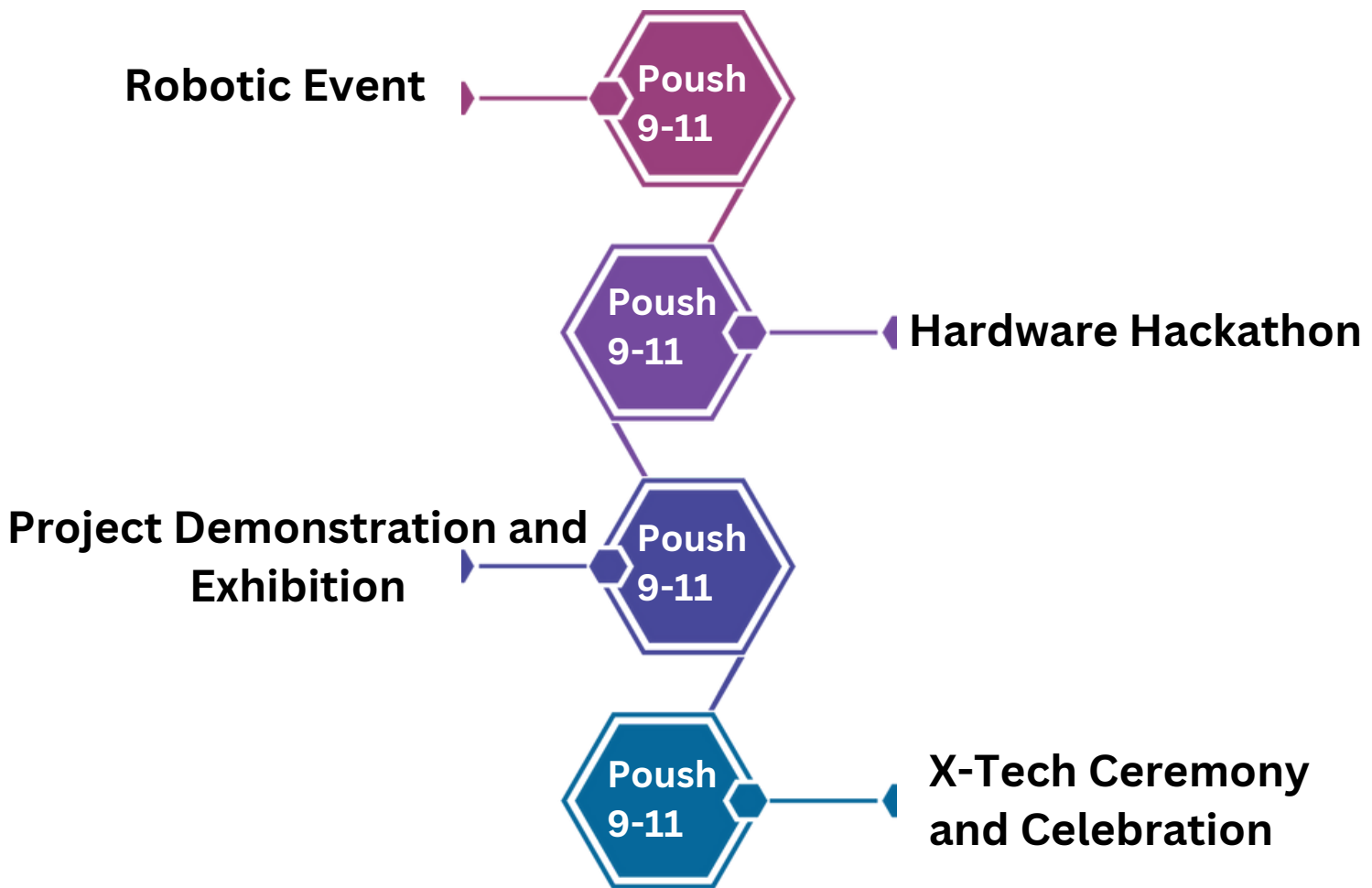
**Networking
Seminar/Webinar**

**Mangshir
28**

**Mangshir
29**

**PCB Designing Training &
Competition**

MAIN EVENTS



EXECUTIVE COMMITTEE



Saroj Baniya
Secretary



Gokarna Baskota
President



Ranish Devkota
Advisor



Suraj Bhattarai
Vice-President



Sudip Parajuli
Vice-Secretary



Dhiraj KC
Treasurer



Pushkar Bhatta
Project Manager



Sunil Paudel
Project Manager



Suwash Shrestha
Project Manager



Sangram Bhandari
Executive Member



Anita Rai Khaling
Executive Member



Mahesh Chaudhary
Executive Member



Safal Basnet
Executive Member



Bishakha Pokhrel
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