

INTERNATIONAL & NATIONAL RECOGNITION

College continue to enhance its visibility and aspires to get recognition nationally and internationally. College is accredited by Bhutan Accreditation Council. In addition college emphasize in fostering collaboration and partnership with the national and international stakeholders. Today, JNEC is a trusted partner with many academic institutions and organizations through which faculty, staffs and students are engaged in capacity building, exchange programs, and student mobility programs in partner universities.

| University/Institute | Country | Program |
|--|-------------|---|
| University of Innsbruck | Austria | International Credit Mobility |
| University of Sannio | Italy | International Credit Mobility |
| Lund University | Sweden | Linnaeu- Palme, EU Project and ICM |
| Aalto University | Finland | CEECoM, EU Project |
| Bialystok University of Technology | Poland | International Credit Mobility |
| Wroclaw University of Science and Technology | Poland | International Credit Mobility |
| SHOWA Women's University | Japan | SAKURA Science Exchange Program |
| Fukuoka KOKUSEN Technical College | Japan | MoU |
| Edith Cowan University | Australia | LoA on Recoginization of Prior Learning |
| University of Twente | Netherlands | International Credit Mobility |
| Polytechnic University of Cartagena | Spain | B+NESDG EU project |
| University of Warsaw | Poland | International Credit Mobility |
| University of Tuscia | Italy | International Credit Mobility |

Similarly, collaborations with national stakeholders are pursued through signing of MoU, LoU, and LoA towards the creation of capacity building and upskilling opportunities for the students, in turn prepare them with job ready skills.

JNEC ALUMNI




Creation of JNEC Alumni is critical for the college to re-connect with the alma matters. In various capacities, graduates continue to serve the nation-building. To celebrate the golden jubilee year (Feb 22, 2023 – Feb 22, 2024) in dedication to the journey of the institute, alma matters has played significant role in contributing to the construction of JNEC Chhoekhang.



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JIGME NAMGYEL ENGINEERING COLLEGE ROYAL UNIVERSITY OF BHUTAN DEWATHANG, BHUTAN

Celebrating 50 Years of Service to the Nation Building

Jigme Namgyel Engineering College is celebrating Golden Jubilee, 50 Years of service to the nation building in February 2024. To commemorate the golden jubilee, college has undertaken many activities to celebrate the golden jubilee year starting February 22, 2023 to February 22, 2024.



<https://www.jnec.edu.bt>

ABOUT THE COLLEGE

Jigme Namgyel Engineering College (JNEC) is one of the constituent colleges of the Royal University of Bhutan located in Dewathang, Samdrup Jongkhar.

The college was formally established on 22nd Feb, 1974 as the Royal Bhutan Polytechnic, although the infrastructure development works began in 1972 coinciding with the 3rd Five Year Development Plan of the Royal Government of Bhutan. JNEC aspires to be a centre of excellence in providing programmes in applied engineering, technology and management, covering wide spectrum of programmes such as pre-service, in-service and continuing education programmes through various modes of delivery.

Currently, JNEC offers ten programmes, three at bachelors level and seven at diploma level. Further, the college has plan to introduce undergraduate and postgraduate programmes based on the need in national and international market.

VISION

A premier Institute of applied engineering, management and technology towards developing highly competent and innovative technical personnel infused with the values of Gross National Happiness.

MISSION

- To provide quality education, driven by GNH values, in the field of applied engineering, management and technology that are current and beneficial to individuals, employers and the nation;
- To provide resourceful services through professional development training, consultancy and expert services;
- To conduct research & innovation in relevant areas; and
- To develop active linkages with organizations and academic institutions both within and outside the country.

PROGRAMMES OFFERED

- B.E. in Power Engineering
- B.E. in Mechanical Engineering
- B.E. in Surveying & Geoinformatics
- Diploma in Civil Engineering
- Diploma in Electrical Engineering
- Diploma in Electronics & Communication Engineering
- Diploma in Mechanical Engineering
- Diploma in Computer System & Network
- Diploma in Surveying
- Diploma in Materials & Procurement Management
- Diploma in Construction Supervision

ENTRY REQUIREMENT

- Class XII Science with Physics, Chemistry and Mathematics for Engineering programmes
- Class XII Science/Arts/Commerce with Business Mathematics/ Mathematics for Management programmes.

NEW PROGRAMMES TO BE OFFERED

- Diploma in Multimedia and Animation
- Diploma in Cyber Security

RESIDENTIAL FACILITIES

There are separate residential facilities for boys and girls, with 6 self-catering and 12 non-self-catering housing blocks. In addition, most of the academic staff have housing facilities within the campus.

INTERNET FACILITIES

College has internet facility of 130 Mbps dedicated leased line with optical fiber backbone. The campus is connected to internet through Wifi and LAN.

LECTURE THEATRE

College has 200 capacity Lecture Theatre with state of art design and amenities to support academic and research activities.

CENTRAL LIBRARY

The Central Library facilitates the users to explore a world of knowledge in a conducive environment. The Library has a rich collection of text books, reference books, journals, magazines research reports etc. All transactions are carried out through a Library Automation system for the benefit of the users.

RESEARCH CENTRE OF EXCELLENCE

CAT : The Centre for Appropriate Technology has been recognized as a center that aims to improve the living standards of the community through the use of appropriate technology. Besides this, JNEC is also involved in several consultancy and innovation works in the field of engineering.

CLEES : In order to facilitate meaningful research work in the area of lighting and energy studies, JNEC has established a research centre, "Centre for Lighting and Energy Efficiency Studies (CLEES)", which will strongly supplement electrical, power and mechanical engineering programme of the college. The CLEES will also serve as a platform for applied research project as well as joint projects with other universities in the area of lighting, energy studies including smart energy and smart building.

GAMES & SPORTS FACILITIES

The college encourages students to participate in sporting activities and provides all the necessary facilities and equipment. The college has several sports facilities including a standard size football field, 2 Basketball Courts with fiber boards, 2 Indoor Badminton Courts, 2 Lawn Tennis Courts, 2 Volleyball Courts, Table Tennis Boards, Archery Field and Chess & Carom Boards.

MAJOR LABORATORY FACILITIES

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|--|---|
| Automobile Workshop | Machine Workshop |
| Sheet Metal Workshop | Fluid Power Laboratory |
| Bench Fitting & Plumbing Workshop | Environmental Engineering Laboratory |
| Electronics Laboratory | Fluid Mechanics Laboratory |
| Instrumentation & Control Systems Laboratory | Microprocessor & Microcontroller Laboratory |
| Programming Laboratory | Tally Laboratory |
| Soil Mechanics & Foundation Engineering Laboratory | Computer Aided Design (CAD) |
| Building Construction Materials Laboratory | Communication Engineering Laboratory |
| Photogrammetry & Remote Sensing Laboratory | Engineering Mechanics Laboratory |
| Plumbing Workshop | Carpentry Workshop |
| Computer Aided Manufacturing (CAM) Laboratory | Geographic Information Systems Laboratory |
| Highway Engineering Laboratory | Power Electronics Laboratory |
| Surveying Laboratory | Power System Laboratory |
| Machine Laboratory | EMI Laboratory |
| Electrical Workshop | Lighting Laboratory (CLEES) |
| OCR I & OCR II (Online Class Room) | Computer Hardware and Networking Laboratory |

