

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 a total of twelve undergraduate programmes and has plans to offer additional undergraduate and postgraduate programmes in applied engineering and management.

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.



ENTRY REQUIREMENT

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

PROGRAMMES OFFERED

1. B.E. in Power Engineering
2. B.E. in Mechanical Engineering
3. B.E. in Surveying & Geoinformatics
4. Diploma in Civil Engineering
5. Diploma in Electrical Engineering
6. Diploma in Electronics & Communication Engineering
7. Diploma in Mechanical Engineering
8. Diploma in Computer System & Network
9. Diploma in Surveying
10. Diploma in Materials & Procurement Management
11. Diploma in Construction and Supervision
12. Diploma in Multimedia and Animation

RESIDENTIAL FACILITIES

There are separate residential facilities for boys and girls, with 6 self-catering and 12 non-self-catering housing blocks. In addition, all 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.

MAJOR LABORATORY FACILITIES

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) / Computer Aided Manufacturing (CAM) Laboratory
Building Construction Materials Laboratory	Communication Engineering Laboratory
Photogrammetry & Remote Sensing Laboratory	Engineering Mechanics Laboratory
Plumbing Workshop	Carpentry Workshop
Computer Applications in Surveying 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)	Hardware & Networking Laboratory



STATISTICS

60
Academic Staff

65
Support Staff

808
Students

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.



JIGME NAMGYEL ENGINEERING COLLEGE ROYAL UNIVERSITY OF BHUTAN DEWATHANG, BHUTAN

Jigme Namgyel Engineering College marked its Golden Jubilee, 50 Years of service to the nation building in February 2024.



CONTACT FOR FURTHER DETAILS :


Phone No : +975-07-260-202
: +975-07-260-302

Email : dril.jnec@rub.edu.bt
: president.jnec@rub.edu.bt

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

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