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Department of Applied Science

Two Weeks FDP

On

**“Outcome Based Education through
Moodle”**

December 5th – 18th, 2019



Organised by

**Department of Civil Engineering
&
Department of Information Technology,
Guru Nanak Dev Engineering College,
Ludhiana**



Sponsored by

TEQIP-III and Testing and Consultancy Cell,
Guru Nanak Dev Engineering College,
Ludhiana Punjab –141006
Website: www.gndec.ac.in

ABOUT THE INSTITUTE

Guru Nanak Dev Engineering College (GNDEC), Ludhiana is one of the oldest and a premier Engineering Institute of India straining persistently in the field of education by comprehending the need for upliftment of rural youth in highly competitive, technologically elevated society and understanding the thirst for knowledge of students and quenching it in general. The foundation stone of the college was laid by Honorable Dr. Rajendra Prasad Ji, President of India on 8th April, 1956. The institution runs seven B.Tech, thirteen M.Tech., MBA and MCA besides being a QIP centre for Ph.D.

The College is affiliated with I.K. Gujral Punjab Technical University (IKGPTU). This is the first Engineering College of Punjab, which was conferred Autonomous Status by University Grants Commission(UGC), New Delhi in 2012 under section 2(f) and 12(B) of UGC Act 1956. Institution is accredited by National Assessment and Accreditation Council (NAAC) (A Grade) and TCS. The institute is set up on 88 acres of sprawling pristine land on Ludhiana-Malerkotla highway in Punjab.

ABOUT THE DEPARTMENTS

The department of Civil Engineering in Guru Nanak Dev Engineering College, Ludhiana was established in 1956. It is running three full time PG programmes (Structural Engineering.; Geotechnical Engineering.; Environmental Science and Engineering) and one part-time PG programme (Soil Mechanics and Foundation Engineering) along with UG programme in Civil Engineering. The department has the state of art facilities for R&D activities and is actively engaged in providing consultancy services to different government and private sector in and around Punjab with an annual turnover of approximately Rs one crore. The department has been declared as QIP Centre for Ph.D by AICTE, New Delhi from the session 2011-2012 and is supported under the FIST scheme and TEQIP-III scheme GOI.

The Department of Information Technology in Guru Nanak Dev Engineering College, Ludhiana was established in 2001. The Department of Information Technology is committed to impart high quality post-graduate and under-graduate education and carry out

leading-edge research in the discipline of Information Technology. The department currently runs two academic programs leading to the award of B.Tech and M.Tech in Information Technology degree of I.K.G Punjab Technical University Jalandhar. The B.Tech (IT) program of department is accredited by the National Board of Accreditation, New Delhi under Tier-I Washington Accord.

ABOUT MOODLE

MOODLE is an open source learning management system (LMS) facilitating tracking, loads of pedagogies helpful to teachers to practice output based education (OBE) by reducing manual work tremendously. Use of LMS is encouraged by NAAC/ NBA. IIT Bombay is also promoting open source cloud based Moodle as LMS. Formulation of MOODLE courseware is simple and number of plug-ins allows customization as per requirement. Cloud based MOODLE is free of cost formed by Moodle fans operating in various countries in world.

Moodle is very helpful in practicing CO-PO/PSO attainment by instilling creativity, logical thinking and problem solving in students by supporting various pedagogies including Gamification, discussion Forums, counseling, Questionnaire etc.

OUTCOME

At the end of this course, all successful participants will create Courseware using MOODLE LMS as per outcome based education requirements of NBA/NAAC.

CERTIFICATION

Completion Certificates will be awarded to participants, who successfully complete all online assessments and assignment/ tasks,

STEPS TO REGISTER

- 1 Enter URL <https://guru.gndec.com/>
- 2 Click on Log in (Right Upper Corner)
- 3 Create an Account using your internet username and password
- 4 Fill the form, and click on create new account
- 5 Open your email and find email from via MOODLE and click on the web link that, to verify
- 6 Again Login to <https://guru.gndec.ac.in> with your username and password
- 7 Click on Home tab and scroll down to the course category "Education" and find a course named "[OBE Outcome Based Education through Moodle](#)"
- 8 Below Enrolment Options, enter enrolment key
- 9 Click on "Enroll me". You are enrolled
- 10 Click on the username in the top right corner then edit profile: upload picture, click on the optional field and update Department, Institute, city etc.

