



Delhi Technological University

(Formerly Delhi College of Engineering)

Shahbad Daultpur, Bawana Road, Delhi – 110 042, India

Consequent upon the evaluation of the thesis submitted by the candidate(s) as per details given below for the award of Doctor of Philosophy (Ph.D.) of the Delhi Technological University on the topic as mentioned against his/her name and after his/her viva-voce examinations, he/she/they has/have been found qualified for the Award of Degree of Doctor of Philosophy (Ph.D.).

Department of Electronics & Communication Engineering

S.No.	Roll. No.	Name of Student	Name of Student (In Hindi)	Discipline	Date of Viva – Voce Examination	Name of Supervisor/Co-Supervisor(s)
1.	2K21/PHDEC/06	Tanvika Garg	तान्विका गर्ग	Electronics & Communication Engineering	10 th December, 2025	Dr. Sumit Kale
Title of Ph.D. Thesis		Title in English: Design and Performance Improvement of Gallium Nitride High Electron Mobility Transistors for Power Electronics Applications		Title in Hindi: डिज़ाइन एंड परफॉरमेंस इम्प्रूवमेंट ऑफ़ गैलियम नाइट्राइड हाई इलेक्ट्रॉन मोबिलिटी ट्रांसिस्टर्स फॉर पावर इलेक्ट्रॉनिक्स ऐप्लिकेशन्स		

In-charge (Results)

Dated: 12.12.2025

Controller of Examination



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S.No.	Roll. No.	Name of Student	Name of Student (In Hindi)	Discipline	Date of Viva – Voce Examination	Name of Supervisor/Co-Supervisor(s)
1.	2K20/PHDEC/13	Anil Kumar	अनिल कुमार	Electronics & Communication Engineering	11 th December, 2025	Dr. Sumit Kale
Title of Ph.D. Thesis		Title in English: Design and Simulation of Novel Nano-Scale Devices for Biosensor Applications		Title in Hindi: डिज़ाइन एंड सिमुलेशन ऑफ नोवेल नैनो-स्केल डिवाइसेज़ फ़ॉर बायोसेंसर एप्लिकेशन्स		

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Department of Electronics & Communication Engineering

S.No.	Roll. No.	Name of Student	Name of Student (In Hindi)	Discipline	Date of Viva – Voce Examination	Name of Supervisor/Co-Supervisor(s)
1.	2K18/PHDEC/15	Dushyant Singh Chauhan	दुष्यंत सिंह चौहान	Electronics & Communication Engineering	12 th December, 2025	Prof. Dinesh Kumar & Dr. Gurjit Kaur
Title of Ph.D. Thesis		Title in English: SIMULATION, MODELLING AND DESIGN OF IMPROVED UNDERWATER OPTICAL WIRELESS COMMUNICATION SYSTEM		Title in Hindi: सिमुलेशन, मॉडलिंग एंड डिज़ाइन ऑफ़ इम्प्रूव्ड अंडरवाटर ऑप्टिकल वायरलेस कम्युनिकेशन सिस्टम		

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Department of Electrical Engineering

S.No.	Roll. No.	Name of Student	Name of Student (In Hindi)	Discipline	Date of Viva – Voce Examination	Name of Supervisor/Co-Supervisor(s)
1.	2K16/PHDEE/07	Aditya Narula	आदित्य नरूला	Electrical Engineering	04 th December, 2025	Prof. Vishal Verma
Title of Ph.D. Thesis		Title in English: Grid Synchronization and Operation of Parallel Inverters		Title in Hindi: ग्रिड सिंक्रोनाइज़ेशन और पैरेलल इनवर्टर का संचालन		

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Department of Mechanical Engineering

S.No.	Roll. No.	Name of Student	Name of Student (In Hindi)	Discipline	Date of Viva – Voce Examination	Name of Supervisor/Co-Supervisor(s)
1.	2K18/PHDME/20	Jayesh Kumar	जयेश कुमार	Mechanical Engineering	12 th December, 2025	Prof. Rajesh Kumar & Prof. Pushpendra Singh
Title of Ph.D. Thesis		Title in English: Experimental Investigation and Thermal Modeling of PCM based Latent Heat Thermal Energy Storage System with Embedded Heat Pipes		Title in Hindi: एक्सपेरिमेंटल इन्वेस्टिगेशन एंड थर्मल मॉडलिंग ऑफ पीसीएम बेस्ड लेटेंट हीट थर्मल एनर्जी स्टोरेज सिस्टम विद एम्बेडेड हीट पाइप्स		

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Department of Applied Physics

S.No.	Roll. No.	Name of Student	Name of Student (In Hindi)	Discipline	Date of Viva – Voce Examination	Name of Supervisor/Co-Supervisor(s)
1.	2K21/PHDAP/504	Sunil Kumar	सुनील कुमार	Physics	12 th December, 2025	Prof. Vinod Singh & Prof. Nitin K. Puri
Title of Ph.D. Thesis		Title in English: 2D Nanomaterials Enabled-Chemiresistive Gas Sensors for Detection of Environmental Hazards		Title in Hindi: 2डी नैनोमैटीरियल्स इनेबल्ड-केमिरज़िस्टिव गैस सेंसरस फॉर डिटेक्शन ऑफ़ एनवायरनमेंटल हैज़र्ड्स		

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Department of Applied Physics

S.No.	Roll. No.	Name of Student	Name of Student (In Hindi)	Discipline	Date of Viva – Voce Examination	Name of Supervisor/Co-Supervisor(s)
1.	2K19/PHDAP/503	Aneesha	अनीशा	Physics	12 th December, 2025	Dr. M.S. Mehata & Prof. Nobuhiro Ohta
Title of Ph.D. Thesis		Title in English: Synthesis and Investigation of Transition Metal Dichalcogenides: Nanostructures and Their Applications		Title in Hindi: सिंथेसिस एंड इन्वेस्टिगेशन ऑफ ट्रांज़िशन मेटल डाइकाल्कोजेनाइड्स: नैनोस्ट्रक्चर्स एंड देयर एप्लिकेशन्स		

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