No. DTU/Results/Ph D./2025/1052

# Delhi Technological University

## (Formerly Delhi College of Engineering)

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

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**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 Electonics & 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/11 | Shilpa Jain | शिल्पा जैन | Electronics & Communication Engineering | 16th October, 2026 | Prof. S. Indu & Prof. Nidhi Goel |
| Title of Ph.D. Thesis | | Title in English: Autonomous Driver Assistant System for Unstructured Environments | | Title in Hindi: ऑटोनोमस ड्राइवर असिस्टेंट सिस्टम फॉर अनस्ट्रक्चर्ड एनवायरनमेंट्स | | |

OSD (Examination)
Dated:16.10.2026

Controller of Examination

No. DTU/Results/Ph D./2025/1053

# Delhi Technological University

## (Formerly Delhi College of Engineering)

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

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## Department of Biotechnology

| 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/PHDBT/06 | Bidisha Bhowal | बिदिशा भोवाल | Biotechnology | 15th October, 2026 | Prof. Yasha Hasija & Dr. Sneh Lata Singla Pareek |
| Title of Ph.D. Thesis | | Title in English: CHARACTERIZATION AND REGULATION OF GLYOXALASES IN HIGHER PLANTS | | Title in Hindi: कैरेक्टराइजेशन एंड रेगुलेशन ऑफ ग्लाइओक्सालेसेस इन हायर प्लांट्स | | |

OSD (Examination)
Dated:16.10.2026

Controller of Examination

No. DTU/Results/Ph D./2025/1053

# Delhi Technological University

## (Formerly Delhi College of Engineering)

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## Department of Civil 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/PHDCE/03 | Shivangi Bharadwaj | शिवांगी भारद्वाज | Civil Engineering | 16th October, 2026 | Prof. Ashok Kumar Gupta & Prof. Anil Kumar Sahu |
| Title of Ph.D. Thesis | | Title in English: CHARACTERIZATION AND REGULATION OF GLYOXALASES IN HIGHER PLANTS | | Title in Hindi: कैरेक्टराइजेशन एंड रेगुलेशन ऑफ ग्लाइओक्सालेसेस इन हायर प्लांट्स | | |

OSD (Examination)
Dated:16.10.2026

Controller of Examination

No. DTU/Results/Ph D./2025/1055

# Delhi Technological University

## (Formerly Delhi College of Engineering)

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

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## Department of Software 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/PHDCS/503 | Bhawna Jain | भावना जैन | Computer Science | 14th October, 2026 | Prof. Ruchika Malhotra & Dr. Marouane Kessentini |
| Title of Ph.D. Thesis | | Title in English: AN EMPIRICAL STUDY ON ANTIPATTERNS PREDICTABILITY USING MACHINE LEARNING TECHNIQUES FOR ENHANCING SOFTWARE MAINTENANCE | | Title in Hindi: एन एम्पिरिकल स्टडी ऑन एंटीपैटर्न्स प्रेडिक्टेबिलिटी यूजिंग मशीन लर्निंग टेक्नीक्स फॉर एनहांसिंग सॉफ्टवेयर मेंटेनेंस | | |

OSD (Examination)
Dated:16.10.2026

Controller of Examination

No. DTU/Results/Ph D./2025/1056

# Delhi Technological University

## (Formerly Delhi College of Engineering)

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

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**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 Software 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/PHDSE/01 | Anjali Bansal | अंजलि बंसल | Software Engineering | 14th October, 2026 | Prof. Ruchika Malhotra & Dr. Marouane Kessentini |
| Title of Ph.D. Thesis | | Title in English: Development and Evaluation of Methodologies for Maintaining Software Containers | | Title in Hindi: डेवलपमेंट एंड इवैल्यूएशन ऑफ मेथडोलॉजीज फॉर मेंटेनिंग सॉफ्टवेयर कंटेनर्स | | |

OSD (Examination)
Dated:16.10.2026

Controller of Examination

No. DTU/Results/Ph D./2025/1057

# Delhi Technological University

## (Formerly Delhi College of Engineering)

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

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**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 Software 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. | 2K22/PHDCS/01 | Shagun Jain | शगुन जैन | Computer Science | 15th October, 2026 | Dr. Divyashika Sethia & Dr. K.C. Tiwari |
| Title of Ph.D. Thesis | | Title in English: Spectral-based soil nutrient prediction using machine learning techniques | | Title in Hindi: स्पेक्ट्रल-बेस्ड सॉयल न्यूट्रिएंट प्रेडिक्शन यूजिंग मशीन लर्निंग टेक्निक्स | | |

OSD (Examination)
Dated:16.10.2026

Controller of Examination

No. DTU/Results/Ph D./2025/1058

# Delhi Technological University

## (Formerly Delhi College of Engineering)

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

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**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 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/518 | Sandeep Kumar | संदीप कुमार | Mechanical Engineering | 15th October, 2026 | Prof. B.B. Arora & Prof. Akhilesh Arora |
| Title of Ph.D. Thesis | | Title in English: ANALYSIS OF HEAT OPERATED CHP SYSTEMS | | Title in Hindi: एनालिसिस ऑफ हीट ऑपरेटेड सीएचपी सिस्टम्स | | |

OSD (Examination)
Dated:16.10.2026

Controller of Examination

No. DTU/Results/Ph D./2025/1059

# Delhi Technological University

## (Formerly Delhi College of Engineering)

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

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**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/04 | Barkha Singh | बरखा सिंह | Mechanical Engineering | 15th October, 2026 | Prof. S. Indu & Dr. Sudipta Manjumdar |
| Title of Ph.D. Thesis | | Title in English: DEVELOPMENT OF FRAMEWORK FOR QUANTUM THEORY BASED IMAGE REPRESENTATION, ACTIVITY RECOGNITION AND BIG DATA ANALYSIS | | Title in Hindi: डेवलपमेंट ऑफ़ फ्रेमवर्क फॉर क्वांटम थ्योरी बेस्ड इमेज रिप्रजेंटेशन, एक्टिविटी रिकग्निशन एंड बिग डाटा एनालिसिस | | |

OSD (Examination)
Dated:16.10.2026

Controller of Examination

No. DTU/Results/Ph D./2025/1060

# Delhi Technological University

## (Formerly Delhi College of Engineering)

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

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**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 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/04 | Gagan Sharma | गगन शर्मा | Physics | 14th October, 2026 | Dr. Deshraj Meena |
| Title of Ph.D. Thesis | | Title in English: Fabrication of SnO2/MXene/PVDF based efficient Flexible Bio Mechanical Energy Harvesting Device | | Title in Hindi: फैब्रिकेशन ऑफ SnO2/एमएक्सईन/पीवीडीएफ बेस्ड एफिशिएंट फ्लेक्सिबल बायो मैकेनिकल एनर्जी हार्वेस्टिंग डिवाइस | | |

OSD (Examination)
Dated:16.10.2026

Controller of Examination

No. DTU/Results/Ph D./2025/1061

# Delhi Technological University

## (Formerly Delhi College of Engineering)

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

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## Department of Civil 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/PHDCE/10 | Aniket Kumar Sharma | अनिकेत कुमार शर्मा | Civil Engineering | 14th October, 2026 | Dr. Bharat Jhamnani |
| Title of Ph.D. Thesis | | Title in English: Investigations of Hydraulic Behaviour of Gabion Stepped Spillway Under Various Conditions | | Title in Hindi: इन्वेस्टिगेशन्स ऑफ हाइड्रोलिक बिहेवियर ऑफ गैबियन स्टेप्ड स्पिलवे अंडर वेरियस कंडीशंस | | |

OSD (Examination)
Dated:16.10.2026

Controller of Examination

No. DTU/Results/Ph D./2025/1062

# Delhi Technological University

## (Formerly Delhi College of Engineering)

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

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## Department of Civil 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/PHDCE/14 | Shailesh Kumar Gupta | शैलेश कुमार गुप्ता | Civil Engineering | 14th October, 2026 | Prof. Amit Kumar Srivastava |
| Title of Ph.D. Thesis | | Title in English: EFFECT OF HETEROGENEITY ON FLOW CHARACTERISTICS IN POROUS MEDIA | | Title in Hindi: इफेक्ट ऑफ हेट्रोजेनिटी ऑन फ्लो कैरेक्टरिस्टिक्स इन पोरस मीडिया | | |

OSD (Examination)
Dated:16.10.2026

Controller of Examination