

**Guru Nanak Dev Engineering College**  
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**ME**

**20/05/2026**

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**Inspection Report**

1. INVESTIGATION OF ABRASIVE WEAR RESISTANCE OF HEAT TREATED AND HARDFACED EN-47 STEEL APPLICABLE ON PLOUGHSHARE	Gurpreet Singh	2025	Ldh.	GNDEC
2. SLURRY EROSION PERFORMANCE OF HARDFACED CF8M TURBINE STEEL	Manjot Singh	2025	Ldh.	GNDEC
3. PERFORMANCE EVALUATION OF HARDFACED BOILER STEEL (SS-310) TO EROSION UNDER STIMULATED CONDITIONS - SUBJECTED	Birdi, K.S.	2025	Ldh.	GNDEC

**CSE**

1. An investigation of Data ..... And severity level detection.	Baldeep Singh	2025	Ldh..	GNDEC
2. Speech emotion ..... Punjabi Language.	Harsimran Kaur	2025	Ldh.	GNDEC

**IT**

1. AN INTERFACE ENGINE FOR AUTOMATED BONE AGE ASSESSMENT USING ARTIFICIAL INTELLIGENCE	Samreet Kaur	2025	Ldh.	GNDEC
2. CONTENT BASED IMAGE LEARNING AND HYBRID FEATURE FUSION	Jaspreet Kaur	2025	Ldh.	GNDEC
3. FORECASTING FUTURE CROP PRODUCTION TRENDS USING ADVANCED PREDICTIVE ANALYTICS	Malhotra, R.	2025	Ldh.	GNDEC
4. ENHANCING BRAIN TUMOR CLASSIFICATION USING GENRATIVE ADVERSIAL NETWORKS	Kumar, A.	2026	Ldh.	GNDEC
5. COMPARATIVE ANALYSIS OF AN AIBASED DIAGNOSTIC SYSTEM FOR AUTOMATED DETECTION OF DIABETIC RETINOPATHY	Singal, R.	2025	Ldh.	GNDEC

**CE**

1. TOWARDS GREENER CONSTRUCTION: OPTIMIZING MIX DESIGN FOR RHEOLOGY AND STRENGTH CHARACTERISTICS	Harsimrat Kaur	2025	Ldh.	GNDEC
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OF FLY-ASH/GGBFS GEOPOLYMER CONCRETE

2. A FEASIBILITY STUDY OF MAKING CONCRETE LUMINATE AKSHAY SEHGAL 2024 GNDEC

3. STUDY ON PERMEABILITY OF CONCRETE CONTAINING STEEL FIBRES Ayush Jindal 2025 Ldh. GNDEC

4. DEVELOPMENT OF PLATFORM FOR STRUCTURAL AUDIT OF RC BUILDING Aman Mittal 2025 Ldh. GNDEC

5. TO STUDY THE WORKABILITY AND STR. OF SUSTAINABLE ALKALI ACTIVATED CONCRETE S. Zargar 2026 Ldh. GNDEC

**EC**

1. PERFORMANCE EVALUATION OF 4-PAM BASED UNDERWATER OPTICAL WIRELESS COMMUNICATION SYSTEM USING ORBITAL ANGULAR MOMENTUM BEAMS Gurveer Kaur 2025 Ldh. GNDEC

2. Performance Analysis of High Speed Free Space Optics Transmission Based on Mode Division Multiplexing using PAM-4 for Indian Cities Weather MUSKANDEEP KAUR 2025 Ldh. GNDEC

3. IMPLEMENTATION AND ANALYSIS OF INTRUSION DETECTION SYSTEM BASED ON NEGATIVE SELECTION ALGORITHM ENHANCED BY SIMULATED ANNEALING Jashanpreet Kaur 2025 Ldh. GNDEC